

# SAFETY DATA SHEET

According to JIS Z 7253:2019  
**Revision date** 16-May-2024  
 Revision Number 4.05

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	66 Pesticides Mixture Standard Solution WQ-1-2 (each 20µg/mL Acetone Solution)
<b>Product Code</b>	164-26633,168-26631

**Supplier** FUJIFILM Wako Pure Chemical Corporation  
 1-2 Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan  
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**Emergency telephone number** +81-6-6203-3741 / +81-3-3270-8571

**Recommended uses** For research use only  
 Reference material (as defined in Japanese Industrial Standards (JIS) Q0030)

**Restrictions on use** Seek expert judgment when using for purposes other than those recommended.

## Section 2: HAZARDS IDENTIFICATION

**GHS classification**

**Classification of the substance or mixture**

<b>Flammable liquids</b>	Category 2
<b>Serious eye damage/eye irritation</b>	Category 2B
<b>Reproductive Toxicity</b>	Category 2
<b>Specific target organ toxicity (single exposure)</b>	Category 3
<b>Category 3</b> Respiratory irritation, Narcotic effects	
<b>Specific target organ toxicity (repeated exposure)</b>	Category 1
<b>Category 1</b> central nervous system, respiratory system	
<b>Acute aquatic toxicity</b>	Category 1
<b>Chronic aquatic toxicity</b>	Category 1

**Pictograms**



**Signal word** Danger

**Hazard statements**

- H225 - Highly flammable liquid and vapor
- H320 - Causes eye irritation
- H361 - Suspected of damaging fertility or the unborn child
- H335 - May cause respiratory irritation
- H336 - May cause drowsiness or dizziness
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- H372 - Causes damage to the following organs through prolonged or repeated exposure: central nervous system, respiratory system

**Precautionary statements-(Prevention)**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Do not breathe dust/fume/gas/mist/vapors/spray
- Do not eat, drink or smoke when using this product
- Use only outdoors or in a well-ventilated area
- Avoid release to the environment
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ ventilating / lighting / equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Keep cool

**Precautionary statements-(Response)**

- IF exposed or concerned: Get medical advice/attention
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- In case of fire: Use suitable extinguishing media for extinction
- Collect spillage

**Precautionary statements-(Storage)**

- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

**Precautionary statements-(Disposal)**

- Dispose of contents/container to an approved waste disposal plant

**Others**

**Other hazards** Not available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Single Substance or Mixture** Mixture

Chemical Name	Weight-%	Molecular weight	ENCS	ISHL No.	CAS RN
Acetone	100	58.08	(2)-542	*	67-64-1
Ethylthiomethon	0.0020 w/v%	274.40	N/A	2-(7)-79	298-04-4
Procymidone	0.0020 w/v%	284.14	(5)-5250	*	32809-16-8
Diazinon	0.0020 w/v%	304.35	(5)-923	*	333-41-5
Butamifos	0.0020 w/v%	332.36	N/A	N/A	36335-67-8
Iprodione	0.0020 w/v%	330.17	N/A	8-(2)-1131	36734-19-7
BPMC	0.0020 w/v%	207.27	(3)-2211	8-(2)-1441	3766-81-2
Pendimethalin	0.0020 w/v%	281.31	N/A	4-(12)-561	40487-42-1
Bifenox	0.0020 w/v%	342.13	N/A	4-(7)-1329	42576-02-3
1-methyl-3-(1-methyl-1-p henylethyl)-1-phenylurea	0.0020 w/v%	268.35	(3)-3228	*	42609-73-4
Isoprothiolane	0.0020 w/v%	290.40	N/A	8-(6)-21	50512-35-1
Pretilachlor	0.0020 w/v%	311.85	N/A	4-(7)-1362	51218-49-6
Trichlorfon	0.0020 w/v%	257.44	N/A	N/A	52-68-6
MPP	0.0020 w/v%	278.33	N/A	4-(9)-130	55-38-9
Mepronil	0.0020 w/v%	269.34	N/A	4-(7)-1315	55814-41-0
Tolclofos-methyl	0.0020 w/v%	301.13	N/A	4-(9)-127	57018-04-9
Pyroquilon	0.0020 w/v%	173.21	N/A	8-(1)-1760	57369-32-1
Metalaxyl	0.0020 w/v%	279.33	N/A	N/A	57837-19-1
Dimethoate	0.0020 w/v%	229.26	(2)-1962	*	60-51-5

Propiconazole	0.0020 w/v%	342.22	(5)-6187	8-(3)-731	60207-90-1
Dimepiperate	0.0020 w/v%	263.40	N/A	8-(1)-1822	61432-55-1
2,2-Dichlorovinyl Dimethyl Phosphate	0.0020 w/v%	220.98	(2)-3224	2-(7)-181	62-73-7
Anilofos	0.0020 w/v%	367.85	N/A	4-(9)-296	64249-01-0
Pencycuron	0.0020 w/v%	328.84	N/A	4-(13)-149	66063-05-6
Flutolanil	0.0020 w/v%	323.31	(3)-3925	N/A	66332-96-5
Buprofezin	0.0020 w/v%	305.44	N/A	8-(7)-839	69327-76-0
Mefenacet	0.0020 w/v%	298.36	N/A	8-(7)-827	73250-68-7
Bromobutide	0.0020 w/v%	312.25	N/A	4-(7)-1142	74712-19-9
Ethofenprox	0.0020 w/v%	376.49	(3)-3981	4-(14)-178	80844-07-1
Esprocarb	0.0020 w/v%	265.41	N/A	4-(6)-325	85785-20-2
Pyributicarb	0.0020 w/v%	330.44	N/A	8-(1)-2038	88678-67-5
Methidathion	0.0020 w/v%	302.33	N/A	8-(7)-172	950-37-8
Pyriproxyfen	0.0020 w/v%	321.37	(3)-4093	8-(1)-2090	95737-68-1
thenylchlor	0.0020 w/v%	323.84	N/A	8-(6)-147	96491-05-3
Dithiopyr	0.0020 w/v%	401.42	N/A	8-(1)-2619	97886-45-8
Simetryne	0.0020 w/v%	213.30	N/A	8-(3)-237	1014-70-6
Pyridaphenthion	0.0020 w/v%	340.33	(5)-5598	N/A	119-12-0
2,6-Dichlorobenzonitrile	0.0020 w/v%	172.01	(3)-4103	4-(7)-477	1194-65-6
Malathon	0.0020 w/v%	330.36	(2)-1963	*	121-75-5
Fenitrothion	0.0020 w/v%	277.23	(3)-2616	4-(9)-232	122-14-5
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	0.0020 w/v%	201.66	(5)-3846	8-(3)-63	122-34-9
cafenstrole	0.0020 w/v%	350.44	N/A	8-(3)-834	125306-83-4
Captan	0.0020 w/v%	300.59	(9)-934	8-(1)-635	133-06-2
Napropamide	0.0020 w/v%	271.35	(9)-2333	5-359	15299-99-7
Trifluralin	0.0020 w/v%	335.28	(3)-426	4-(12)-215 4-(12)-284	1582-09-8
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	0.0020 w/v%	269.77	N/A	4-(10)-162	15972-60-8
Edifenphos	0.0020 w/v%	310.37	N/A	4-(9)-91	17109-49-8
2,4,6-Trichloro-4'-nitrodi phenyl ether	0.0020 w/v%	318.54	(3)-979	4-(12)-282	1836-77-7
Benfluralin	0.0020 w/v%	335.28	N/A	4-(12)-373	1861-40-1
Isoxathion	0.0020 w/v%	313.31	N/A	N/A	18854-01-8
Chlorothalonil	0.0020 w/v%	265.91	(3)-1805	4-(7)-539	1897-45-6
Atrazine	0.0020 w/v%	215.68	(5)-3851	*	1912-24-9
MBPMC	0.0020 w/v%	277.40	(3)-2208	*	1918-11-2
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	0.0020 w/v%	323.30	(3)-2617	4-(3)-17	2104-64-5
Molinate	0.0020 w/v%	187.30	N/A	8-(1)-34,8-(1)-998,8 -(1)-1683	2212-67-1
Dimethametryn	0.0020 w/v%	255.38	(5)-5441	N/A	22936-75-0
Propyzamide	0.0020 w/v%	256.13	N/A	4-(7)-458	23950-58-5
Piperophos	0.0020 w/v%	353.48	N/A	N/A	24151-93-7
Isofenphos	0.0020 w/v%	345.39	(3)-3683	4-(9)-258	25311-71-1
Echlomezol	0.0020 w/v%	247.53	N/A	8-(7)-83	2593-15-9
Phenthoate	0.0020 w/v%	320.36	(3)-2615	*	2597-03-7
Iprobenfos	0.0020 w/v%	288.34	N/A	4-(9)-133	26087-47-8
MIPC	0.0020 w/v%	193.24	(3)-2211,(3)-2212	4-(6)-184	2631-40-5
Chloroneb	0.0020 w/v%	207.05	(3)-955	4-(14)-223	2675-77-6
Fthalide	0.0020 w/v%	271.91	1-261	8-(4)-356	27355-22-2
Benthiocarb	0.0020 w/v%	257.78	N/A	4-(6)-73	28249-77-6
Chlorpyrifos	0.0020 w/v%	350.59	(5)-3724	8-(1)-1042	2921-88-2

Note on ISHL No.:

\* in the table means announced chemical substances.

## Section 4: FIRST AID MEASURES

### Inhalation

Remove to fresh air. If symptoms persist, call a physician.

### Skin contact

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

### Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

### Ingestion

Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

### Protection of first-aiders

Use personal protective equipment as required.

## Section 5: FIRE FIGHTING MEASURES

### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder, Sand

### Unsuitable extinguishing media

Do not use straight streams

### Specific hazards arising from the chemical product

Vapors may form explosive mixtures with air Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### Special extinguishing method

No information available

### Special protective actions for fire-fighters

Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

## Section 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.

### Environmental precautions

To be careful not discharged to the environment without being properly handled waste water contaminated.

### Methods and materials for contaminant and methods and materials for cleaning up

Absorb dry sand, earth, sawdust and the waste. Collect empty container that can be sealed.

### Recoverly, neutralization

No information available

### Secondary disaster prevention measures

Clean contaminated objects and areas thoroughly observing environmental regulations.

## Section 7: HANDLING AND STORAGE

### Handling

#### Technical measures

Highly flammable. Avoid contact with high temperature objects, spark, and strong oxidizing agents. To cut with care and wear protective gloves and protective goggles to ampoule time of the opening (Cutting method to check the label). Use

with local exhaust ventilation.

#### Precautions

Do not rough handling containers, such as upsetting, falling, giving a shock, and dragging. Prevent leakage, overflow, and scattering. Not to generate steam and dust in vain. Seal the container after use. After handling, wash hands and face, and then gargle. In places other than those specified, should not be smoking or eating and drinking. Should not be brought contaminated protective equipment and gloves to rest stops. Deny unnecessary entry of non-emergency personnel to the handling area.

#### Safety handling precautions

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

#### Storage

##### Safe storage conditions

###### Storage conditions

Container protected from light, and store tightly closed in freezer (-20°C). Packed with an inert gas. Store locked up.

###### Safe packaging material

Ampoule

##### Incompatible substances

Strong oxidizing agents

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Engineering controls

In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and hand- and eye-wash facility. And display their position clearly.

#### Exposure limits

Chemical Name	JSOH (Japan)	ISHL (Japan)	ACGIH
Acetone 67-64-1	200ppm(470mg/m <sup>3</sup> )	ISHL/ACL: 500 ppm	STEL: 500 ppm TWA: 750 ppm
Ethylthiomethon 298-04-4	N/A	N/A	TWA: 0.05 mg/m <sup>3</sup> inhalable fraction and vapor Skin
Diazinon 333-41-5	TWA: 0.1 mg/m <sup>3</sup> OEL Skin	N/A	TWA: 0.01 mg/m <sup>3</sup> inhalable fraction and vapor Skin
BPMC 3766-81-2	TWA: 5 mg/m <sup>3</sup> OEL Skin	N/A	N/A
Isoprothiolane 50512-35-1	TWA: 5 mg/m <sup>3</sup> OEL	N/A	N/A
Trichlorfon 52-68-6	TWA: 0.2 mg/m <sup>3</sup> OEL Skin	N/A	TWA: 0.1 mg/m <sup>3</sup> inhalable fraction and vapor
MPP 55-38-9	TWA: 0.2 mg/m <sup>3</sup> OEL Skin	N/A	TWA: 0.05 mg/m <sup>3</sup> inhalable fraction and vapor Skin
Mepronil 55814-41-0	TWA: 5 mg/m <sup>3</sup> OEL	N/A	N/A
2,2-Dichlorovinyl Dimethyl Phosphate 62-73-7	ISHL/ACL: 0.1 mg/m <sup>3</sup>	ISHL/ACL: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup> inhalable fraction and vapor Skin
Flutolanil 66332-96-5	TWA: 10 mg/m <sup>3</sup> OEL	N/A	N/A
Buprofezin 69327-76-0	TWA: 2 mg/m <sup>3</sup> OEL	N/A	N/A
Ethofenprox 80844-07-1	TWA: 3 mg/m <sup>3</sup> OEL	N/A	N/A
Pyridaphenthion 119-12-0	TWA: 0.2 mg/m <sup>3</sup> OEL Skin	N/A	N/A
Malathon 121-75-5	TWA: 10 mg/m <sup>3</sup> OEL Skin	N/A	TWA: 1 mg/m <sup>3</sup> inhalable fraction and vapor Skin

Fenitrothion 122-14-5	TWA: 0.2 mg/m <sup>3</sup> OEL Skin	N/A	N/A
2-Chloro-4,6-bis(ethylamino)-1, 3,5-triazine 122-34-9	N/A	N/A	TWA: 0.5 mg/m <sup>3</sup> inhalable particulate matter
Captan 133-06-2	N/A	N/A	TWA: 5 mg/m <sup>3</sup> inhalable particulate matter
2-Chloro-N-(2,6-diethylphenyl)- N-(methoxymethyl)acetamide 15972-60-8	N/A	N/A	TWA: 1 mg/m <sup>3</sup> inhalable fraction and vapor
Atrazine 1912-24-9	TWA: 2 mg/m <sup>3</sup> OEL	N/A	TWA: 2 mg/m <sup>3</sup> inhalable particulate matter
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester 2104-64-5	N/A	N/A	TWA: 0.1 mg/m <sup>3</sup> inhalable fraction and vapor Skin
Fthalide 27355-22-2	TWA: 10 mg/m <sup>3</sup> OEL	N/A	N/A
Chlorpyrifos 2921-88-2	N/A	N/A	TWA: 0.1 mg/m <sup>3</sup> inhalable fraction and vapor Skin

Chemical Name	Concentration standard value set by the Minister of Health, Labor and Welfare (8hr)	Concentration standard value set by the Minister of Health, Labor and Welfare (Short-Term)
Diazinon 333-41-5	0.01 mg/m <sup>3</sup>	N/A

**Personal protective equipment****Respiratory protection**

gas mask for organic gas ( JIS T 8152 )

**Hand protection**

chemical protective gloves ( JIS T 8116 )

**Eye protection**

protective eyeglasses or chemical safety goggles (JIS T 8147)

**Skin and body protection**

Long-sleeved work clothes

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

If this product is classified as "Chemical Substances Hazardous to Skin, etc.", use appropriate protective equipment to them.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Form****Color**

yellow

**Turbidity**

clear

**Appearance**

liquid

**Odor**

characteristic odor

**Melting point/freezing point**

-95.3 °C

**Boiling point, initial boiling point and boiling range**

56 °C

**Flammability**

Highly flammable liquid and vapor

**Evaporation rate:**

no data available

**Flammability (solid, gas):**

no data available

**Upper/lower flammability or explosive limits****Upper:**

13.0 vol%

**Lower:**

2.15 vol%

**Flash point**

-18 °C

**Auto-ignition temperature:**

538 °C

**Decomposition temperature:**

no data available

**pH**

no data available

Viscosity (coefficient of viscosity)	no data available
Dynamic viscosity	no data available
Solubilities	water , Ethanol , Diethyl ether : freely soluble .
n-Octanol/water partition coefficient:(log Pow)	-0.24
Vapour pressure	24.7
Specific Gravity / Relative density	0.789 - 0.792 g/mL
Vapour density	2.0
Particle characteristics	no data available

## Section 10: STABILITY AND REACTIVITY

### Stability

Reactivity	no data available
Chemical stability	May be altered by light.

### Hazardous reactions

Reacts with strong oxidants causing fire/explosion hazard.

### Conditions to avoid

Extremes of temperature and direct sunlight, Heat, flames and sparks, static electricity, spark

### Incompatible materials

Strong oxidizing agents

### Hazardous decomposition products

Carbon monooxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), Halides, Phosphorus oxide, Sulfur oxides (SO<sub>x</sub>)

## Section 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone	5800 mg/kg ( Rat )	> 7400 mg/kg ( Rabbit )	32000 ppm ( Rat ) 4 h(vapor)
Ethylthiomethon	2.6 mg/kg ( Rat ) 4.2 mg/kg ( Rat )	7.3 mg/kg ( Rat ) 6 mg/kg ( Rat )	0.015 mg/L ( Rat ) 4 h
Procymidone	> 5000 mg/kg ( Rat )	> 2500 mg/kg ( Rat )	> 1.5 mg/L ( Rat ) 4 h
Diazinon	485 mg/kg ( Rat )	3600 mg/kg ( Rabbit )	3.10 mg/L ( Rat ) 4 h
Butamifos	630 mg/kg ( Rat )	> 5000 mg/kg ( Rat )	> 1.2 mg/L ( Rat ) 4 h
Iprodione	> 2000 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 3.29 mg/L ( Rat ) 4 h > 5.16 mg/L ( Rat ) 4 h
BPMC	425 mg/kg ( Rat, female )	> 5000 mg/kg ( Rat )	> 2.50 mg/L ( Rat ) 4 h
Pendimethalin	> 10000 mg/kg ( Rat )	> 2,500 mg/kg ( Rat )	> 320 mg/L ( Rat ) 4 h
Bifenox	N/A	N/A	> 0.91 mg/L ( Rat ) 4 h
1-methyl-3-(1-methyl-1-phenylethyl)-1-phenylurea	6130 mg/kg ( Rat )	N/A	N/A
Isoprothiolane	1190 mg/kg ( Rat )	> 10250 mg/kg ( Rat )	> 2.77 mg/L ( Rat )
Pretilachlor	2200 mg/kg ( Rat )	> 4000 mg/kg ( Rat )	> 2800 mg/m <sup>3</sup> ( Rat ) 4 h
Trichlorfon	253 mg/kg ( Rat )	2 g/kg ( Rat ) 1500 mg/kg ( Rabbit )	533 mg/m <sup>3</sup> ( Rat ) 4 h
MPP	405 mg/kg ( Rat )	963 mg/kg ( Rabbit )	0.507 mg/L ( Rat ) 4 h
Mepronil	> 10,000 mg/kg ( Rat )	> 5,000 mg/kg ( Rat )	N/A
Tolclofos-methyl	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rat ) > 2000 mg/kg ( Rabbit )	> 2.07 mg/L ( Rat ) 4 h
Pyroquilon	321 mg/kg ( Rat )	> 3100 mg/kg ( Rat )	N/A
Metalaxyl	566 mg/kg ( Rat )	> 6000 mg/kg ( Rabbit ) > 3100 mg/kg ( Rat )	N/A
Dimethoate	245 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	1.68 mg/L ( Rat ) 4 h
Propiconazole	509 mg/kg ( Rat )	> 4000 mg/kg ( Rabbit ) > 2000 mg/kg ( Rat )	> 5.8 mg/L ( Rat ) 4 h
Dimepiperate	946 mg/kg ( Rat )	> 5 g/kg ( Rat ) > 2 g/kg ( Rabbit )	> 1600 mg/m <sup>3</sup> ( Rat ) 4 h

2,2-Dichlorovinyl Dimethyl Phosphate	58.8 mg/kg ( Rat )	113 mg/kg ( Rat )	vapor : 1.66 ppm ( Rat ) 4 h mist : 0.34 mg/L ( Rat ) 4 h
Anilofos	472 mg/kg(Rat)	> 2 g/kg ( Rat ) > 2 g/kg ( Rabbit )	N/A
Pencycuron	> 5 g/kg ( Rat )	> 5 g/kg ( Rat )	> 570 mg/m <sup>3</sup> ( Rat ) 4 h
Flutolanil	> 10,000 mg/kg ( Rat )	> 5,000 mg/kg ( Rat )	> 5.98 mg/L ( Rat ) 4 h
Buprofezin	2198 mg/kg ( Rat )	> 5000 mg/kg ( Rat )	> 4.57 mg/L ( Rat ) 4 h
Mefenacet	N/A	N/A	> 0.134 mg/L ( Rat ) 4 h
Ethofenprox	> 2,000 mg/kg ( Rat )	> 2,000 mg/kg ( Rat )	> 5,900 mg/m <sup>3</sup> ( Rat ) 4 h
Esprocarb	3,700 mg/kg ( Rat )	5,000 mg/kg ( Rat )	N/A
Pyributicarb	>5000 mg/kg ( Rat )	>5000 mg/kg ( Rat )	>6.52 mg/L ( Rat ) 4 h
Methidathion	12 mg/kg ( Rat )	297 mg/kg ( Rat )	3.6 mg/L ( Rat ) 4 h
Pyriproxyfen	>5 g/kg ( Rat )	>2 g/kg ( Rat )	>1300 mg/m <sup>3</sup> ( Rat ) 4 h
thenylchlor	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	N/A
Dithiopyr	> 5000 mg/kg ( Rat )	> 5000 mg/kg ( Rat )	> 5.98 mg/L ( Rat ) 4 h
Simetryne	780 mg/kg (Rat)	> 3100 mg/kg (Rat)	> 4880 mg/m <sup>3</sup> (Rat) 4 h
Pyridaphenthion	813 mg/kg ( Rat ) 424 mg/kg ( Rat )	> 2 g/kg ( Rabbit ) 2100 mg/kg ( Rat )	1100 mg/m <sup>3</sup> ( Rat ) 4 h
2,6-Dichlorobenzonitrile	4250 mg/kg (Rat)	>2000 mg/kg (Rabbit)	>250 mg/m <sup>3</sup> (Rat) 4 h
Malathion	4,061 mg/kg (Rat, Female) 5,400 mg/kg (Rat, Male)	>2,000 mg/kg (Rat)	5.2 mg/kg (Rat) 4 h
Fenitrothion	250 mg/kg ( Rat ) 330 mg/kg ( Rat )	1260 mg/kg ( Rat ) 1002 mg/kg ( Rat ) 1250 mg/kg ( Rabbit )	> 2210 mg/m <sup>3</sup> ( Rat ) 4 h
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	971 mg/kg ( Rat )	> 10200 mg/kg ( Rabbit ) > 5 g/kg ( Rat )	> 2.21 mg/L ( Rat ) 4 h
cafenstrole	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 1.97 mg/L ( Rat ) 4h
Captan	3677 mg/kg ( Rat )	> 5000 mg/kg ( Rat )	0.72 mg/L ( Rat ) 4 h
Napropamide	5 g/kg ( Rat )	4640 mg/kg ( Rabbit )	N/A
Trifluralin	2517 mg/kg (Rat)	>5000 mg/kg (Rat)	2800 mg/m <sup>3</sup> (Rat)(mist)
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	1150 mg/kg ( Rat )	3500 mg/kg ( Rabbit ) 1200 mg/kg ( Rat ) 13300 mg/kg ( Rabbit )	> 23400 mg/m <sup>3</sup> ( Rat ) 6 h
Edifenphos	100 mg/kg ( Rat )	615 mg/kg ( Rat )	0.65 mg/L ( Rat ) 4 h 650 mg/m <sup>3</sup> ( Rat ) 4 h
2,4,6-Trichloro-4'-nitrodiphenyl ether	10800 mg/kg (Rat)	>10 g/kg (Rat)	>520 mg/m <sup>3</sup> (Rat) 4h (mist)
Benfluralin	> 5000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 2.16 mg/L ( Rat ) 4 h
Isoxathion	112 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	2.04 mg/L ( Rat ) 4 h
Chlorothalonil	>10000 mg/kg (Rat)	>10000 mg/kg (Rabbit)	0.1 mg/L (Rat) 4 h (vapor)
Atrazine	670 mg/kg ( Rat )	> 5000 mg/kg ( Rat ) > 2000 mg/kg ( Rat ) 7500 mg/kg ( Rabbit )	5200 mg/m <sup>3</sup> ( Rat ) 4 h
MBPMC	> 34600 mg/kg ( Rat )	> 10250 mg/kg ( Rat )	N/A
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	7.7 mg/kg ( Rat )	533 mg/kg ( Rat )	0.121 mg/L ( Rat ) 4h
Molinate	369 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	1.39 mg/L (Rat) 4 h (mist)
Dimethametryn	2120 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	N/A
Propyzamide	> 5,000 mg/kg ( Rat )	> 3,160 mg/kg ( Rat )	N/A
Piperophos	324 mg/kg ( Rat )	> 2150 mg/kg ( Rat )	> 0.98 mg/L ( Rat ) 4 h
Isofenphos	28 mg/kg (Rat)	162 mg/kg (Rat)	0.144 mg/L (Rat) 4h
Echlomezol	1077 mg / kg ( Rat )	> 5000 mg / kg ( Rat )	0.8 mg/L ( Rat )
Phenthoate	249 mg/kg ( Rat )	2,620 mg/kg ( Rat )	59 mg/m <sup>3</sup> ( Rat ) 4 h
lprobenfos	550 mg/kg ( Rat ) 640 mg/kg ( Rat )	> 4000 mg/kg ( Rat ) 3708 mg/kg ( Rat )	> 5.15 mg/L (Male) 4 h > 5.15 mg/L (Female) 4 h
MIPC	178 mg/kg (Rat)	> 500 mg/kg ( Rat ) 10250 mg/kg ( Rabbit )	> 500 mg/m <sup>3</sup> ( Rat ) 4 h



Chloroneb	> 5,000 mg/kg (Rat)	> 5,000 mg/kg (Rabbit)	N/A
Fthalide	> 10,000 mg/kg ( Rat )	> 10,000 mg/kg ( Rat )	> 4.1 mg/L ( Rat ) 4 h
Benthiocarb	1,030 mg/kg ( Rat )	>2,000 mg/kg ( Rat )	> 2.43 mg/L ( Rat ) 4 h
Chlorpyrifos	135 mg/kg ( Rat ) 82 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit ) 202 mg/kg ( Rat ) 2 g/kg ( Rabbit )	> 200 mg/m <sup>3</sup> ( Rat ) 4 h

Chemical Name	Acute toxicity -oral- source information	Acute toxicity -dermal- source information	Acute toxicity -inhalation gas-source information
Acetone	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Ethylthiomethon	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Procymidone	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Diazinon	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Butamifos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Iprodione	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
BPMC	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pendimethalin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pretilachlor	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Trichlorfon	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Mepronil	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Tolclofos-methyl	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Dimethoate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Dimepiperate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2,2-Dichlorovinyl Dimethyl Phosphate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Flutolanil	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Mefenacet	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Ethofenprox	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Esprocarb	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pyributicarb	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Methidathion	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
thenylchlor	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Dithiopyr	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Simetryne	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.

Pyridaphenthion	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2,6-Dichlorobenzonitrile	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Malathion	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
cafenstrole	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Captan	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Trifluralin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Edifenphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Benfluralin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Isoxathion	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Chlorothalonil	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Atrazine	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Molinate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Dimethametryn	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Piperophos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Echlomezol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Phenthoate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Iprobenfos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
MIPC	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Chloroneb	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Fthalide	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Benthiocarb	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Chlorpyrifos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.

Chemical Name	Acute toxicity -inhalation vapor- source information	Acute toxicity -inhalation dust-source information	Acute toxicity -inhalation mist-source information
Acetone	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Ethylthiomethon	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Procymidone	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.

Diazinon	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Butamifos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Iprodione	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
BPMC	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pendimethalin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pretilachlor	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Trichlorfon	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Mepronil	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Tolclofos-methyl	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Dimethoate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Dimepiperate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2,2-Dichlorovinyl Dimethyl Phosphate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Flutolanil	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Mefenacet	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Ethofenprox	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Esprocarb	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pyributicarb	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Methidathion	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
thenylchlor	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Dithiopyr	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Simetryne	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pyridaphenthion	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2,6-Dichlorobenzonitrile	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Malathon	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
cafenstrole	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Captan	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Trifluralin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.

	classification results.	classification results.	classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Edifenphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Benfluralin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Isoxathion	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Chlorothalonil	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Atrazine	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Molinate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Dimethametryn	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Piperophos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Echlomezol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Phenthoate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Iprobenfos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
MIPC	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Chloroneb	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Fthalide	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Benthiocarb	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Chlorpyrifos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.

**Skin irritation/corrosion**

Chemical Name	Skin corrosion/irritation source information
Acetone	Based on the NITE GHS classification results.
Ethylthiomethon	Based on the NITE GHS classification results.
Procyimidone	Based on the NITE GHS classification results.
Diazinon	Based on the NITE GHS classification results.
Butamifos	Based on the NITE GHS classification results.
Iprodione	Based on the NITE GHS classification results.
BPMC	Based on the NITE GHS classification results.
Pendimethalin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Pretilachlor	Based on the NITE GHS classification results.
Trichlorfon	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Mepronil	Based on the NITE GHS classification results.
Tolclofos-methyl	Based on the NITE GHS classification results.
Dimethoate	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.
Dimepiperate	Based on the NITE GHS classification results.
2,2-Dichlorovinyl Dimethyl Phosphate	Based on the NITE GHS classification results.

Flutolanil	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Mefenacet	Based on the NITE GHS classification results.
Ethofenprox	Based on the NITE GHS classification results.
Esprocarb	Based on the NITE GHS classification results.
Pyributicarb	Based on the NITE GHS classification results.
Methidathion	Based on the NITE GHS classification results.
thenylchlor	Based on the NITE GHS classification results.
Dithiopyr	Based on the NITE GHS classification results.
Simetryne	Based on the NITE GHS classification results.
Pyridaphenthion	Based on the NITE GHS classification results.
2,6-Dichlorobenzonitrile	Based on the NITE GHS classification results.
Malathion	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	Based on the NITE GHS classification results.
cafenstrole	Based on the NITE GHS classification results.
Captan	Based on the NITE GHS classification results.
Trifluralin	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
Edifenphos	Based on the NITE GHS classification results.
Benfluralin	Based on the NITE GHS classification results.
Isoxathion	Based on the NITE GHS classification results.
Chlorothalonil	Based on the NITE GHS classification results.
Atrazine	Based on the NITE GHS classification results.
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	Based on the NITE GHS classification results.
Molinate	Based on the NITE GHS classification results.
Dimethametryn	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Piperophos	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Echlomezol	Based on the NITE GHS classification results.
Phenthoate	Based on the NITE GHS classification results.
Iprobenfos	Based on the NITE GHS classification results.
MIPC	Based on the NITE GHS classification results.
Chloroneb	Based on the NITE GHS classification results.
Fthalide	Based on the NITE GHS classification results.
Benthiocarb	Based on the NITE GHS classification results.
Chlorpyrifos	Based on the NITE GHS classification results.

**Serious eye damage/ irritation**

<b>Chemical Name</b>	<b>Serious eye damage/irritation source information</b>
Acetone	Based on the NITE GHS classification results.
Ethylthiomethon	Based on the NITE GHS classification results.
Procymidone	Based on the NITE GHS classification results.
Diazinon	Based on the NITE GHS classification results.
Butamifos	Based on the NITE GHS classification results.
Iprodione	Based on the NITE GHS classification results.
BPMC	Based on the NITE GHS classification results.
Pendimethalin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Pretilachlor	Based on the NITE GHS classification results.
Trichlorfon	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Mepronil	Based on the NITE GHS classification results.
Tolclofos-methyl	Based on the NITE GHS classification results.
Dimethoate	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.
Dimepiperate	Based on the NITE GHS classification results.

2,2-Dichlorovinyl Dimethyl Phosphate	Based on the NITE GHS classification results.
Flutolanil	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Mefenacet	Based on the NITE GHS classification results.
Ethofenprox	Based on the NITE GHS classification results.
Esprocarb	Based on the NITE GHS classification results.
Pyributicarb	Based on the NITE GHS classification results.
Methidathion	Based on the NITE GHS classification results.
thienylchlor	Based on the NITE GHS classification results.
Dithiopyr	Based on the NITE GHS classification results.
Simetryne	Based on the NITE GHS classification results.
Pyridaphenthion	Based on the NITE GHS classification results.
2,6-Dichlorobenzonitrile	Based on the NITE GHS classification results.
Malathion	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	Based on the NITE GHS classification results.
cafenstrole	Based on the NITE GHS classification results.
Captan	Based on the NITE GHS classification results.
Trifluralin	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
Edifenphos	Based on the NITE GHS classification results.
Benfluralin	Based on the NITE GHS classification results.
Isoxathion	Based on the NITE GHS classification results.
Chlorothalonil	Based on the NITE GHS classification results.
Atrazine	Based on the NITE GHS classification results.
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	Based on the NITE GHS classification results.
Molinate	Based on the NITE GHS classification results.
Dimethametryn	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Piperophos	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Echlomezol	Based on the NITE GHS classification results.
Phenthoate	Based on the NITE GHS classification results.
Iprobenfos	Based on the NITE GHS classification results.
MIPC	Based on the NITE GHS classification results.
Chloroneb	Based on the NITE GHS classification results.
Fthalide	Based on the NITE GHS classification results.
Benthiocarb	Based on the NITE GHS classification results.
Chlorpyrifos	Based on the NITE GHS classification results.

**Respiratory or skin sensitization**

<b>Chemical Name</b>	<b>Respiratory or Skin sensitization source information</b>
Acetone	Based on the NITE GHS classification results.
Ethylthiomethon	Based on the NITE GHS classification results.
Procymidone	Based on the NITE GHS classification results.
Diazinon	Based on the NITE GHS classification results.
Butamifos	Based on the NITE GHS classification results.
Iprodione	Based on the NITE GHS classification results.
BPMC	Based on the NITE GHS classification results.
Pendimethalin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Pretilachlor	Based on the NITE GHS classification results.
Trichlorfon	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Mepronil	Based on the NITE GHS classification results.
Tolclofos-methyl	Based on the NITE GHS classification results.
Dimethoate	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.

Dimepiperate	Based on the NITE GHS classification results.
2,2-Dichlorovinyl Dimethyl Phosphate	Based on the NITE GHS classification results.
Flutolanil	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Mefenacet	Based on the NITE GHS classification results.
Ethofenprox	Based on the NITE GHS classification results.
Esprocarb	Based on the NITE GHS classification results.
Pyributicarb	Based on the NITE GHS classification results.
Methidathion	Based on the NITE GHS classification results.
thienylchlor	Based on the NITE GHS classification results.
Dithiopyr	Based on the NITE GHS classification results.
Simetryne	Based on the NITE GHS classification results.
Pyridaphenthion	Based on the NITE GHS classification results.
2,6-Dichlorobenzonitrile	Based on the NITE GHS classification results.
Malathion	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	Based on the NITE GHS classification results.
cafenstrole	Based on the NITE GHS classification results.
Captan	Based on the NITE GHS classification results.
Trifluralin	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
Edifenphos	Based on the NITE GHS classification results.
Benfluralin	Based on the NITE GHS classification results.
Isoxathion	Based on the NITE GHS classification results.
Chlorothalonil	Based on the NITE GHS classification results.
Atrazine	Based on the NITE GHS classification results.
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	Based on the NITE GHS classification results.
Molinate	Based on the NITE GHS classification results.
Dimethametryn	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Piperophos	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Echlomezol	Based on the NITE GHS classification results.
Phenthoate	Based on the NITE GHS classification results.
Iprobenfos	Based on the NITE GHS classification results.
MIPC	Based on the NITE GHS classification results.
Chloroneb	Based on the NITE GHS classification results.
Fthalide	Based on the NITE GHS classification results.
Benthiocarb	Based on the NITE GHS classification results.
Chlorpyrifos	Based on the NITE GHS classification results.

**Reproductive cell mutagenicity**

<b>Chemical Name</b>	<b>germ cell mutagenicity source information</b>
Acetone	Based on the NITE GHS classification results.
Ethylthiomethon	Based on the NITE GHS classification results.
Procymidone	Based on the NITE GHS classification results.
Diazinon	Based on the NITE GHS classification results.
Butamifos	Based on the NITE GHS classification results.
Iprodione	Based on the NITE GHS classification results.
BPMC	Based on the NITE GHS classification results.
Pendimethalin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Pretilachlor	Based on the NITE GHS classification results.
Trichlorfon	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Mepronil	Based on the NITE GHS classification results.
Tolclofos-methyl	Based on the NITE GHS classification results.
Dimethoate	Based on the NITE GHS classification results.

Propiconazole	Based on the NITE GHS classification results.
Dimepiperate	Based on the NITE GHS classification results.
2,2-Dichlorovinyl Dimethyl Phosphate	Based on the NITE GHS classification results.
Flutolanil	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Mefenacet	Based on the NITE GHS classification results.
Ethofenprox	Based on the NITE GHS classification results.
Esprocarb	Based on the NITE GHS classification results.
Pyributicarb	Based on the NITE GHS classification results.
Methidathion	Based on the NITE GHS classification results.
thenylchlor	Based on the NITE GHS classification results.
Dithiopyr	Based on the NITE GHS classification results.
Simetryne	Based on the NITE GHS classification results.
Pyridaphenthion	Based on the NITE GHS classification results.
2,6-Dichlorobenzonitrile	Based on the NITE GHS classification results.
Malathion	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	Based on the NITE GHS classification results.
cafenstrole	Based on the NITE GHS classification results.
Captan	Based on the NITE GHS classification results.
Trifluralin	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
Edifenphos	Based on the NITE GHS classification results.
Benfluralin	Based on the NITE GHS classification results.
Isoxathion	Based on the NITE GHS classification results.
Chlorothalonil	Based on the NITE GHS classification results.
Atrazine	Based on the NITE GHS classification results.
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	Based on the NITE GHS classification results.
Molinate	Based on the NITE GHS classification results.
Dimethametryn	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Piperophos	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Echlomezol	Based on the NITE GHS classification results.
Phenthoate	Based on the NITE GHS classification results.
lprobenfos	Based on the NITE GHS classification results.
MIPC	Based on the NITE GHS classification results.
Chloroneb	Based on the NITE GHS classification results.
Fthalide	Based on the NITE GHS classification results.
Benthiocarb	Based on the NITE GHS classification results.
Chlorpyrifos	Based on the NITE GHS classification results.

**Carcinogenicity**

<b>Chemical Name</b>	<b>Carcinogenicity source information</b>
Acetone	Based on the NITE GHS classification results.
Ethylthiomethon	Based on the NITE GHS classification results.
Procyimidone	Based on the NITE GHS classification results.
Diazinon	Based on the NITE GHS classification results.
Butamifos	Based on the NITE GHS classification results.
Iprodione	Based on the NITE GHS classification results.
BPMC	Based on the NITE GHS classification results.
Pendimethalin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Pretilachlor	Based on the NITE GHS classification results.
Trichlorfon	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Mepronil	Based on the NITE GHS classification results.
Tolclofos-methyl	Based on the NITE GHS classification results.



Dimethoate	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.
Dimepiperate	Based on the NITE GHS classification results.
2,2-Dichlorovinyl Dimethyl Phosphate	Based on the NITE GHS classification results.
Flutolanil	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Mefenacet	Based on the NITE GHS classification results.
Ethofenprox	Based on the NITE GHS classification results.
Esprocarb	Based on the NITE GHS classification results.
Pyributicarb	Based on the NITE GHS classification results.
Methidathion	Based on the NITE GHS classification results.
thenylchlor	Based on the NITE GHS classification results.
Dithiopyr	Based on the NITE GHS classification results.
Simetryne	Based on the NITE GHS classification results.
Pyridaphenthion	Based on the NITE GHS classification results.
2,6-Dichlorobenzonitrile	Based on the NITE GHS classification results.
Malathion	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	Based on the NITE GHS classification results.
cafenstrole	Based on the NITE GHS classification results.
Captan	Based on the NITE GHS classification results.
Trifluralin	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
Edifenphos	Based on the NITE GHS classification results.
Benfluralin	Based on the NITE GHS classification results.
Isoxathion	Based on the NITE GHS classification results.
Chlorothalonil	Based on the NITE GHS classification results.
Atrazine	Based on the NITE GHS classification results.
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	Based on the NITE GHS classification results.
Molinate	Based on the NITE GHS classification results.
Dimethametryn	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Piperophos	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Echlomezol	Based on the NITE GHS classification results.
Phenthoate	Based on the NITE GHS classification results.
lprobenfos	Based on the NITE GHS classification results.
MIPC	Based on the NITE GHS classification results.
Chloroneb	Based on the NITE GHS classification results.
Fthalide	Based on the NITE GHS classification results.
Benthiocarb	Based on the NITE GHS classification results.
Chlorpyrifos	Based on the NITE GHS classification results.

Chemical Name	NTP	IARC	ACGIH	JSOH (Japan)
Diazinon 333-41-5	N/A	Group 2A	N/A	Group 2B
BPMC 3766-81-2	N/A	Group 2A	N/A	N/A
Trichlorfon 52-68-6	N/A	Group 3	N/A	N/A
2,2-Dichlorovinyl Dimethyl Phosphate 62-73-7	N/A	Group 2B	N/A	Group 2B
Ethofenprox 80844-07-1	N/A	N/A	N/A	-
Malathion 121-75-5	N/A	Group 2A	N/A	Group 2B
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	N/A	Group 3	A3	N/A

122-34-9				
Captan 133-06-2	N/A	Group 3	A3	N/A
Trifluralin 1582-09-8	N/A	Group 3	N/A	N/A
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl) acetamide 15972-60-8	N/A	N/A	A3	N/A
Chlorothalonil 1897-45-6	N/A	Group 2B	N/A	Group 2B
Atrazine 1912-24-9	N/A	Group 3	A3	N/A

**Reproductive toxicity**

Chemical Name	Reproductive toxicity source information
Acetone	Based on the NITE GHS classification results.
Ethylthiomethon	Based on the NITE GHS classification results.
Procymidone	Based on the NITE GHS classification results.
Diazinon	Based on the NITE GHS classification results.
Butamifos	Based on the NITE GHS classification results.
Iprodione	Based on the NITE GHS classification results.
BPMC	Based on the NITE GHS classification results.
Pendimethalin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Pretilachlor	Based on the NITE GHS classification results.
Trichlorfon	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Mepronil	Based on the NITE GHS classification results.
Tolclofos-methyl	Based on the NITE GHS classification results.
Dimethoate	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.
Dimepiperate	Based on the NITE GHS classification results.
2,2-Dichlorovinyl Dimethyl Phosphate	Based on the NITE GHS classification results.
Flutolanil	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Mefenacet	Based on the NITE GHS classification results.
Ethofenprox	Based on the NITE GHS classification results.
Esprocarb	Based on the NITE GHS classification results.
Pyributicarb	Based on the NITE GHS classification results.
Methidathion	Based on the NITE GHS classification results.
thetylchlor	Based on the NITE GHS classification results.
Dithiopyr	Based on the NITE GHS classification results.
Simetryne	Based on the NITE GHS classification results.
Pyridaphenthion	Based on the NITE GHS classification results.
2,6-Dichlorobenzonitrile	Based on the NITE GHS classification results.
Malathon	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	Based on the NITE GHS classification results.
cafenstrole	Based on the NITE GHS classification results.
Captan	Based on the NITE GHS classification results.
Trifluralin	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
Edifenphos	Based on the NITE GHS classification results.
Benfluralin	Based on the NITE GHS classification results.
Isoxathion	Based on the NITE GHS classification results.
Chlorothalonil	Based on the NITE GHS classification results.
Atrazine	Based on the NITE GHS classification results.
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	Based on the NITE GHS classification results.

Molinate	Based on the NITE GHS classification results.
Dimethametryn	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Piperophos	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Echlomezol	Based on the NITE GHS classification results.
Phenthoate	Based on the NITE GHS classification results.
Iprobenfos	Based on the NITE GHS classification results.
MIPC	Based on the NITE GHS classification results.
Chloroneb	Based on the NITE GHS classification results.
Fthalide	Based on the NITE GHS classification results.
Benthiocarb	Based on the NITE GHS classification results.
Chlorpyrifos	Based on the NITE GHS classification results.

**STOT-single exposure**

<b>Chemical Name</b>	<b>STOT -single exposure- source information</b>
Acetone	Based on the NITE GHS classification results.
Ethylthiomethon	Based on the NITE GHS classification results.
Procymidone	Based on the NITE GHS classification results.
Diazinon	Based on the NITE GHS classification results.
Butamifos	Based on the NITE GHS classification results.
Iprodione	Based on the NITE GHS classification results.
BPMC	Based on the NITE GHS classification results.
Pendimethalin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Pretilachlor	Based on the NITE GHS classification results.
Trichlorfon	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Mepronil	Based on the NITE GHS classification results.
Tolclofos-methyl	Based on the NITE GHS classification results.
Dimethoate	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.
Dimepiperate	Based on the NITE GHS classification results.
2,2-Dichlorovinyl Dimethyl Phosphate	Based on the NITE GHS classification results.
Flutolanil	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Mefenacet	Based on the NITE GHS classification results.
Ethofenprox	Based on the NITE GHS classification results.
Esprocarb	Based on the NITE GHS classification results.
Pyributicarb	Based on the NITE GHS classification results.
Methidathion	Based on the NITE GHS classification results.
thenylchlor	Based on the NITE GHS classification results.
Dithiopyr	Based on the NITE GHS classification results.
Simetryne	Based on the NITE GHS classification results.
Pyridaphenthion	Based on the NITE GHS classification results.
2,6-Dichlorobenzonitrile	Based on the NITE GHS classification results.
Malathion	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	Based on the NITE GHS classification results.
cafenstrole	Based on the NITE GHS classification results.
Captan	Based on the NITE GHS classification results.
Trifluralin	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
Edifenphos	Based on the NITE GHS classification results.
Benfluralin	Based on the NITE GHS classification results.
Isoxathion	Based on the NITE GHS classification results.
Chlorothalonil	Based on the NITE GHS classification results.
Atrazine	Based on the NITE GHS classification results.

Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	Based on the NITE GHS classification results.
Molinate	Based on the NITE GHS classification results.
Dimethametryn	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Piperophos	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Echlomezol	Based on the NITE GHS classification results.
Phenthoate	Based on the NITE GHS classification results.
Iprobenfos	Based on the NITE GHS classification results.
MIPC	Based on the NITE GHS classification results.
Chloroneb	Based on the NITE GHS classification results.
Fthalide	Based on the NITE GHS classification results.
Benthiocarb	Based on the NITE GHS classification results.
Chlorpyrifos	Based on the NITE GHS classification results.

**STOT-repeated exposure**

Chemical Name	STOT -repeated exposure- source information
Acetone	Based on the NITE GHS classification results.
Ethylthiomethon	Based on the NITE GHS classification results.
Procymidone	Based on the NITE GHS classification results.
Diazinon	Based on the NITE GHS classification results.
Butamifos	Based on the NITE GHS classification results.
Iprodione	Based on the NITE GHS classification results.
BPMC	Based on the NITE GHS classification results.
Pendimethalin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Pretilachlor	Based on the NITE GHS classification results.
Trichlorfon	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Mepronil	Based on the NITE GHS classification results.
Tolclofos-methyl	Based on the NITE GHS classification results.
Dimethoate	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.
Dimepiperate	Based on the NITE GHS classification results.
2,2-Dichlorovinyl Dimethyl Phosphate	Based on the NITE GHS classification results.
Flutolanil	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Mefenacet	Based on the NITE GHS classification results.
Ethofenprox	Based on the NITE GHS classification results.
Esprocarb	Based on the NITE GHS classification results.
Pyributicarb	Based on the NITE GHS classification results.
Methidathion	Based on the NITE GHS classification results.
thenylchlor	Based on the NITE GHS classification results.
Dithiopyr	Based on the NITE GHS classification results.
Simetryne	Based on the NITE GHS classification results.
Pyridaphenthion	Based on the NITE GHS classification results.
2,6-Dichlorobenzonitrile	Based on the NITE GHS classification results.
Malathion	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	Based on the NITE GHS classification results.
cafenstrole	Based on the NITE GHS classification results.
Captan	Based on the NITE GHS classification results.
Trifluralin	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
Edifenphos	Based on the NITE GHS classification results.
Benfluralin	Based on the NITE GHS classification results.
Isoxathion	Based on the NITE GHS classification results.
Chlorothalonil	Based on the NITE GHS classification results.

Atrazine	Based on the NITE GHS classification results.
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	Based on the NITE GHS classification results.
Molinate	Based on the NITE GHS classification results.
Dimethametryn	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Piperophos	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Echlomezol	Based on the NITE GHS classification results.
Phenthoate	Based on the NITE GHS classification results.
Iprobenfos	Based on the NITE GHS classification results.
MIPC	Based on the NITE GHS classification results.
Chloroneb	Based on the NITE GHS classification results.
Fthalide	Based on the NITE GHS classification results.
Benthiocarb	Based on the NITE GHS classification results.
Chlorpyrifos	Based on the NITE GHS classification results.

**Aspiration hazard**

<b>Chemical Name</b>	<b>Aspiration Hazard source information</b>
Acetone	Based on the NITE GHS classification results.
Ethylthiomethon	Based on the NITE GHS classification results.
Procyimidone	Based on the NITE GHS classification results.
Diazinon	Based on the NITE GHS classification results.
Butamifos	Based on the NITE GHS classification results.
Iprodione	Based on the NITE GHS classification results.
BPMC	Based on the NITE GHS classification results.
Pendimethalin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Pretilachlor	Based on the NITE GHS classification results.
Trichlorfon	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Mepronil	Based on the NITE GHS classification results.
Tolclofos-methyl	Based on the NITE GHS classification results.
Dimethoate	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.
Dimepiperate	Based on the NITE GHS classification results.
2,2-Dichlorovinyl Dimethyl Phosphate	Based on the NITE GHS classification results.
Flutolanil	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Mefenacet	Based on the NITE GHS classification results.
Ethofenprox	Based on the NITE GHS classification results.
Esprocarb	Based on the NITE GHS classification results.
Pyributicarb	Based on the NITE GHS classification results.
Methidathion	Based on the NITE GHS classification results.
thénylchlor	Based on the NITE GHS classification results.
Dithiopyr	Based on the NITE GHS classification results.
Simetryne	Based on the NITE GHS classification results.
Pyridaphenthion	Based on the NITE GHS classification results.
2,6-Dichlorobenzonitrile	Based on the NITE GHS classification results.
Malathon	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	Based on the NITE GHS classification results.
cafenstrole	Based on the NITE GHS classification results.
Captan	Based on the NITE GHS classification results.
Trifluralin	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
Edifenphos	Based on the NITE GHS classification results.
Benfluralin	Based on the NITE GHS classification results.
Isoxathion	Based on the NITE GHS classification results.

Chlorothalonil	Based on the NITE GHS classification results.
Atrazine	Based on the NITE GHS classification results.
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	Based on the NITE GHS classification results.
Molinate	Based on the NITE GHS classification results.
Dimethametryn	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Piperophos	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Echlomezol	Based on the NITE GHS classification results.
Phenthoate	Based on the NITE GHS classification results.
Iprobenfos	Based on the NITE GHS classification results.
MIPC	Based on the NITE GHS classification results.
Chloroneb	Based on the NITE GHS classification results.
Fthalide	Based on the NITE GHS classification results.
Benthiocarb	Based on the NITE GHS classification results.
Chlorpyrifos	Based on the NITE GHS classification results.

## Section 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Acetone	N/A	LC50 : Fathead minnow >100 mg/L 96 h	N/A
Ethylthiomethon	N/A	LC50:Lepomis macrochirus 0.094 - 0.136 mg/L 96 h LC50:Oncorhynchus mykiss 0.2 - 5.5 mg/L 96 h LC50:Pimephales promelas 1.64 - 2.13 mg/L 96 h LC50:Poecilia reticulata 0.28 mg/L 96 h	EC50:Daphnia magna 0.033 mg/L 48 h EC50:Daphnia magna 0.75 ppb 48 h
Procymidone	ErC50 : Pseudokirchneriella subcapitata 1.4 mg/L 72 h	N/A	N/A
Diazinon	N/A	LC50:Pimephales promelas 0.4 - 0.8 mg/L 96 h LC50:Pimephales promelas 4.7 mg/L 96 h LC50:Cyprinus carpio 3.43 mg/L 96 h LC50:Cyprinus carpio 0.000072 mg/L 96 h LC50:Poecilia reticulata 4 mg/L 96 h LC50:Poecilia reticulata 0.8 mg/L 96 h LC50:Poecilia reticulata 3 mg/L 96 h LC50:Lepomis macrochirus 0.022 mg/L 96 h LC50:Oncorhynchus mykiss 0.09 mg/L 96 h LC50:Oncorhynchus mykiss 2.3 mg/L 96 h LC50:Pimephales promelas 3.4 - 5.2 mg/L 96 h LC50:Lepomis macrochirus 0.31 - 0.62 mg/L	EC50:Gammarus fasciatus 0.20 ppb

		96 h	
Butamifos	<i>ErC50 : Pseudokirchneriella subcapitata</i> 0.033 mg/L 72 h	N/A	<i>EC50 : Daphnia magna</i> 1.9 mg/L 48 h
Iprodione	<i>EC50:Pseudokirchneriella subcapitata</i> 1.9 mg/L 120 h	<i>LC50:Oncorhynchus mykiss</i> 4.1 mg/L 96 h	<i>EC50:Daphnia magna</i> 0.31 - 0.61 mg/L 48 h <i>EC50:Daphnia magna</i> 0.34 - 0.39 mg/L 48 h <i>EC50:Daphnia magna</i> 0.25 mg/L 48 h
BPMC	N/A	<i>LC50:Oryzias latipes</i> 9.78 mg/L 96 h	<i>EC50: Daphnia magna</i> 0.0003 mg/L 21 d <i>LC50:Paratya compressa</i> 0.00505 mg/L 96 h
Pendimethalin	N/A	<i>LC50:Pimephales promelas</i> 0.00019 mg/L 96 h <i>LC50:Oncorhynchus mykiss</i> 0.14 mg/L 96 h <i>LC50:Lepomis macrochirus</i> 0.2 mg/L 96 h	N/A
Isoprothiolane	N/A	<i>LC50: Rainbow trout</i> 8100 ug/L 96 h	N/A
Pretilachlor	<i>ErC50 : Pseudokirchneriella subcapitata</i> 0.0032 mg/L 72 h	N/A	N/A
Trichlorfon	N/A	N/A	<i>EC50: Daphnia magna</i> 0.18 ug/L
MPP	<i>EC50:Desmodesmus subspicatus</i> 1.79 mg/L 96 h	<i>LC50 : Lepomis macrochirus</i> 1.08 - 1.77 mg/L 96 h <i>LC50 : Lepomis macrochirus</i> 0.950 - 3.60 mg/L 96 h <i>LC50 : Cyprinus carpio</i> 532 - 2550 µg/L 96 h <i>LC50 : Oncorhynchus mykiss</i> 490 - 1100 µg/L 96 h <i>LC50 : Oncorhynchus mykiss</i> 550 µg/L 96 h <i>LC50 : Pimephales promelas</i> 1370 - 2060 µg/L 96 h <i>LC50 : Poecilia reticulata</i> 1990 - 2220 µg/L 96 h	<i>LC50 : Palaemon macrodactylus</i> 0.0053 mg/L 96 h
Tolclofos-methyl	<i>ErC50 : Desmodesmus subspicatus</i> >1100 ug/L 72 h	<i>LC50 : Cyprinus carpio</i> 2700 ug/L 96 h	<i>EC50 : Daphnia magna</i> >930 ug/L 48 h
Metalaxyl	N/A	<i>LC50:Oncorhynchus mykiss</i> 13.6 - 30.8 mg/L 96 h <i>LC50:Lepomis macrochirus</i> 23 - 30 mg/L 96 h	N/A
Dimethoate	<i>ErC50 : Pseudokirchneriella subcapitata</i> 280 mg/L 72 h	<i>LC50 : Cyprinus carpio</i> 26.11 mg/L 96 h <i>LC50 : Lepomis macrochirus</i> 6 mg/L 96 h <i>LC50 : Oncorhynchus mykiss</i> 4.1 - 9.3 mg/L 96 h <i>LC50 : Poecilia reticulata</i> 340 mg/L 96 h	<i>EC50 : Daphnia magna</i> 2 mg a.i./L 48 h
Propiconazole	N/A	N/A	<i>LC50 : Mysidopsis bahia</i> 0.51 mg/L 96 h
2,2-Dichlorovinyl Dimethyl Phosphate	N/A	N/A	<i>EC50 : Daphnia magna</i> 0.00007 mg/L 48 h

Flutolanil	N/A	LC50 : <i>Cyprinus carpio</i> 3.16 mg a.i./L 96 h (a.i.: active ingredient)	N/A
Buprofezin	N/A	LC50 : Fathead minnow 0.527 mg/L 96 h	N/A
Mefenacet	ErC50 : <i>Pseudokirchneriella subcapitata</i> 0.226 mg/L 72 h	LC50 : <i>Oncorhynchus mykiss</i> 6.8 mg/L 96 h	EC50 : <i>Daphnia magna</i> 1.8 mg/L 48 h
Ethofenprox	N/A	N/A	LC50 : <i>Mysidopsis bahia</i> 0.0188 µg/L 96 h
Esprocarb	ErC50 : unknown 0.066 mg/L 0 - 72 h	N/A	N/A
Pyributicarb	EbC50: <i>Chlorophyta Pascher</i> 0.0977 mg/L 72 h	N/A	N/A
Methidathion	N/A	LC50 : <i>Lepomis macrochirus</i> 0.0022 mg a.i. / L 96 h	EC50 : <i>Daphnia magna</i> 0.0011 mg a.i. / L 48 h
Pyriproxyfen	EC50 : 0.15 mg/L 72 h	LC50 : >0.27 mg/L 96 h	EC50 : 0.4 mg/L 48 h
thenylchlor	ErC50 : Green arge 0.03 mg/L 72 h	N/A	N/A
Dithiopyr	ErC50 : <i>Pseudokirchneriella subcapitata</i> 0.0561 mg a.i./L 72 h	LC50 : <i>Cyprinus carpio</i> 0.77 mg/L 96 h	N/A
Simetryne	ErC50 : <i>Pseudokirchneriella subcapitata</i> 0.028 mg/L	N/A	N/A
Pyridaphenthion	N/A	LC50 : <i>Oncorhynchus mykiss</i> 7.5 mg/L 96 h	EC50: <i>Daphnia magna</i> 0.00051 mg/L 48 h
2,6-Dichlorobenzonitrile	N/A	LC50: <i>Pimephales promelas</i> 3.98 - 9.07 mg/L 96 h LC50: <i>Oncorhynchus mykiss</i> 3.83 - 6.34 mg/L 96 h LC50: <i>Cyprinus carpio</i> 9.1 - 12.3mg/L 96 h LC50: <i>Oncorhynchus mykiss</i> 18 mg/L 96 h LC50: <i>Lepomis macrochirus</i> 5.02 - 8.98 mg/L 96 h LC50: <i>Lepomis macrochirus</i> 10 mg/L 96 h	EC50: <i>Daphnia magna</i> 6.2 mg/L 48h
Malathon	EC50 : <i>Pseudokirchneriella subcapitata</i> 4.06 mg/L 72 h	LC50 : <i>Pimephales promelas</i> 12.3 - 16.1 mg/L 96 h LC50 : <i>Pimephales promelas</i> 6.45 - 11.5 mg/L 96 h LC50 : <i>Pimephales promelas</i> 10.1 mg/L 96 h LC50 : <i>Cyprinus carpio</i> 0.24 - 1.24 mg/L 96 h LC50 : <i>Cyprinus carpio</i> 0.085 mg/L 96 h LC50 : <i>Cyprinus carpio</i> 0.002 mg/L 96 h LC50 : <i>Lepomis macrochirus</i> 0.34 mg/L 96 h LC50 : <i>Lepomis macrochirus</i> 0.010 - 0.088 mg/L 96 h LC50 : <i>Lepomis macrochirus</i> 0.089 mg/L 96 h LC50 : <i>Oncorhynchus mykiss</i> 0.028 mg/L 96 h	EC50 : <i>Daphnia magna</i> 1.0 ppb 48 h



		<p>LC50 : <i>Oncorhynchus mykiss</i> 0.094 - 0.146 mg/L 96 h</p> <p>LC50 : <i>Oncorhynchus mykiss</i> 0.0022 - 0.0074 mg/L 96 h</p> <p>LC50 : <i>Oryzias latipes</i> 9.7 mg/L 96 h</p> <p>LC50 : <i>Poecilia reticulata</i> 1.2 mg/L 96 h</p> <p>LC50 : <i>Poecilia reticulata</i> 3.1 mg/L 96 h</p>	
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	N/A	<p>LC50:<i>Pimephales promelas</i> 3.5 - 7.15 mg/L 96 h</p> <p>LC50:<i>Lepomis macrochirus</i> 9.9 - 26 mg/L 96 h</p> <p>LC50:<i>Lepomis macrochirus</i> 118 mg/L 96 h</p> <p>LC50:<i>Poecilia reticulata</i> 49 mg/L 96 h</p> <p>LC50:<i>Oncorhynchus mykiss</i> 56 mg/L 96 h</p> <p>LC50:<i>Oncorhynchus mykiss</i> 82 mg/L 96 h</p> <p>LC50:<i>Oncorhynchus mykiss</i> 10 mg/L 96 h</p>	EC50: <i>Daphnia magna</i> 0.56 - 2.2 mg/L 48 h
cafenstrole	EC50: <i>Pseudokirchneriella subcapitata</i> > 0.0021 mg/L 72h	N/A	N/A
Captan	N/A	LC50 : <i>Salmo trutta</i> 0.0262 mg/L 96 h	EC50 : <i>Daphnia magna</i> 7 - 9.9 mg/L 48 h
Trifluralin	N/A	LC50 : <i>Clupea pallasii</i> < 5 ug/L 96 h	EC50: <i>Daphnia magna</i> 0.32 - 1mg/L 48 h EC50: <i>Daphnia pulex</i> 0.16 - 0.36 mg/L 48 h
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	EC50: <i>Pseudokirchneriella subcapitata</i> 0.004 - 0.009 mg/L 96 h static EC50: <i>Pseudokirchneriella subcapitata</i> 0.0115 mg/L 72 h	LC50: <i>Lepomis macrochirus</i> 2.5 - 3.2 mg/L 96 h LC50: <i>Pimephales promelas</i> 5.0 mg/L 96 h LC50: <i>Oncorhynchus mykiss</i> 100 mg/L 96 h	EC50: <i>Daphnia magna</i> 6 - 9.9 mg/L 48 h
Benfluralin	N/A	N/A	LC50 : <i>Mysidopsis bahia</i> 0.043 mg/L 96 h
Isoxathion	N/A	LC50 : <i>Oncorhynchus mykiss</i> 1.3 mg / L 96 h	EC50 : <i>Daphnia magna</i> 0.00019 mg / L 48 h
Chlorothalonil	EC50: <i>Desmodesmus subspicatus</i> 0.57 mg/L 72 h EC50: <i>Pseudokirchneriella subcapitata</i> 0.0068 mg/L 72 h static	LC50: <i>Oncorhynchus mykiss</i> 10.5 µg/L 96h	EC50: <i>Daphnia magna</i> 0.0342 - 0.143 mg/L 48 h
Atrazine	EbC50: <i>Skeletonema</i> 0.147 mg/L 96 h	LC50: <i>Oncorhynchus mykiss</i> 4.5 - 11 mg/L 96 h	EC50: <i>Daphnia magna</i> 5.2 - 8.1 mg/L 48 h
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	N/A	LC50: <i>Lepomis macrochirus</i> 0.060 - 0.110 mg/L 96 h LC50: <i>Pimephales promelas</i> 0.0648 - 0.0953 mg/L 96 h LC50: <i>Oncorhynchus mykiss</i> 0.110 - 0.900 mg/L 96 h LC50: <i>Poecilia reticulata</i> 0.032 mg/L 96 h LC50: <i>Pimephales promelas</i>	EC50 : <i>Daphnia magna</i> 0.00006 mg/L 26 h

		0.2 mg/L 96 h	
Molinate	N/A	N/A	LC50 : Cypridopsis 0.25 mg/L 96 h
Dimethametryn	ErC50 : <i>Pseudokirchneriella subcapitata</i> 0.0124 mg/L 72 h	LC50 : <i>Cyprinus carpio</i> 4.45 mg/L 96 h	N/A
Propyzamide	EC50 : <i>Pseudokirchneriella subcapitata</i> 3.4mg/L 72 h	N/A	N/A
Piperophos	N/A	LC50: <i>Poecilia reticulata</i> 4000 ug/L 96 h	N/A
Isofenphos	EC50: <i>Desmodesmus subspicatus</i> 6.8 mg/L 96 h	LC50: <i>Lepomis macrochirus</i> 2.2 mg/L 96 h LC50: <i>Oncorhynchus mykiss</i> 3.3 mg/L 96 h	EC50: <i>Daphnia magna</i> 1.6ppb 48h
Echlomezol	EC50 : <i>Chlorophyta</i> 0.39 mg/L 72 h	LC50 : <i>Oncorhynchus mykiss</i> 0.63 - 0.95 mg/L 96 h	N/A
Phenthoate	N/A	N/A	EC50 : <i>Daphnia magna</i> 0.00025 mg/L 48 h
Iprobenfos	N/A	N/A	EC50 : <i>Daphnia magna</i> 0.859 mg/L 48h
MIPC	N/A	N/A	EC50 : <i>Daphnia magna</i> 0.024 mg/L 48 h
Chloroneb	N/A	LC50 : <i>Oncorhynchus mykiss</i> 3.7 mg/L 96 h	N/A
Fthalide	ErC50 : <i>Pseudokirchneriella subcapitata</i> > 0.0871 mg/L 72 h	LC50 : <i>Cyprinus carpio</i> > 23.4 mg/L 96 h	EC50 : <i>Daphnia magna</i> > 3.52 mg/L 48 h
Benthiocarb	EC50 : <i>Pseudokirchneriella subcapitata</i> 17 ppb	N/A	N/A
Chlorpyrifos	N/A	LC50: <i>Oncorhynchus mykiss</i> 0.002 - 0.032 mg/L 96 h LC50: <i>Lepomis macrochirus</i> 0.0047 - 0.0075 mg/L 96 h LC50: <i>Pimephales promelas</i> 0.11 - 0.13 mg/L 96 h LC50: <i>Oncorhynchus mykiss</i> 0.001 mg/L 96 h LC50: <i>Lepomis macrochirus</i> 0.0013 mg/L 96 h LC50: <i>Lepomis macrochirus</i> 0.0026 mg/L 96 h LC50: <i>Poecilia reticulata</i> 0.00717 mg/L 96 h LC50: <i>Cyprinus carpio</i> 0.008 mg/L 96 h LC50: <i>Oncorhynchus mykiss</i> 0.011 mg/L 96 h	EC50: <i>Daphnia magna</i> 0.00009 - 0.00012 mg/L 48 h EC50: <i>Daphnia magna</i> 0.00012 - 0.00023 mg/L 48 h

## Other data

Chemical Name	Short-term (acute) hazardous to the aquatic environment source information	Long-term (chronic) hazardous to the aquatic environment source information
Acetone	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Ethylthiomethon	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Procymidone	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Diazinon	Based on the NITE GHS classification	Based on the NITE GHS classification

	results.	results.
Butamifos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Iprodione	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
BPMC	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pendimethalin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pretilachlor	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Trichlorfon	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Mepronil	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Dimethoate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Dimepiperate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2,2-Dichlorovinyl Dimethyl Phosphate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Flutolanil	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Mefenacet	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Ethofenprox	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Esprocarb	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pyributicarb	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Methidathion	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
thenylchlor	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Dithiopyr	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Simetryne	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pyridaphenthion	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2,6-Dichlorobenzonitrile	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Malathon	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
cafenstrole	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Captan	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Trifluralin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Edifenphos	Based on the NITE GHS classification	Based on the NITE GHS classification

	results.	results.
Benfluralin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Isoxathion	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Chlorothalonil	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Atrazine	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Phenylphosphonothioic acid O-ethyl O-(4-nitrophenyl)ester	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Molinate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Dimethametryn	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Piperophos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Echlomezol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Phenthoate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
lprobenfos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
MIPC	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Chloroneb	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Fthalide	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Benthiocarb	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Chlorpyrifos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.

<b>Persistence and degradability</b>	No information available
<b>Bioaccumulative potential</b>	No information available
<b>Mobility in soil</b>	No information available
<b>Hazard to the ozone layer</b>	No information available

### Section 13: DISPOSAL CONSIDERATIONS

#### Waste from residues

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### Contaminated container and contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Section 14: TRANSPORT INFORMATION

#### ADR/RID

<b>UN number</b>	UN1090
<b>Proper shipping name:</b>	Acetone
<b>UN classification</b>	3
<b>Subsidiary hazard class</b>	
<b>Packing group</b>	II
<b>Marine pollutant</b>	Yes

**IMDG**

**UN number** UN1090  
**Proper shipping name:** Acetone  
**UN classification** 3  
**Subsidiary hazard class**  
**Packing group** II  
**Marine pollutant (Sea)** Yes  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** No information available

**IATA**

**UN number** UN1090  
**Proper shipping name:** Acetone  
**UN classification** 3  
**Subsidiary hazard class**  
**Packing group** II  
**Environmentally Hazardous Substance** Yes

### Section 15: REGULATORY INFORMATION

**Japanese regulations**

**Fire Service Act** Category IV, Class I petroleums, dangerous grade 2 water-soluble  
**Poisonous and Deleterious Substances Control Law** Deleterious Substances 2nd. Grade  
**Industrial Safety and Health Act** Harmful Substances Whose Names Are to be Indicated on the Label (Law Art.57)  
 Notifiable Substances (Law Art.57-2)  
 Class 2 Organic Solvents  
 Working Environment Evaluation Standards, Administrative Control Levels (Law Art.65-2, Para.1)  
 Dangerous Substances - Flammable Substance (Enforcement Order Attached Table 1 Item 4)  
**Regulations for the carriage and storage of dangerous goods in ship** Flammable Liquids (Ordinance Art.3, Ministry of Transportation Ordinance Regarding Transport by Ship and Storage, Attached Table 1)  
**Civil Aeronautics Law** Flammable Liquids (Ordinance Art.194, MITL Notification for Air Transportation of Explosives etc., Attached Table 1)  
**Marine Pollution Prevention Law** Enforcement ordinance Appendix No. 1 Noxious liquid substance Category Z  
**Pollutant Release and Transfer Register Law (2023.4.1-)** Not applicable  
**Export Trade Control Order Narcotics and Psychotropics Control Law** Appendix 2 Export Approval Item

Chemical Name	Poisonous and Deleterious Substances Control Law	Industrial Safety and Health Act Substances (Law Art.57-2)	Pollutant Release and Transfer Register Law (2023.4.1-)
Acetone 67-64-1 ( 100 )	-	Applicable	-
Ethylthiomethon 298-04-4 ( 0.0020 w/v% )	Applicable	-	-
Dimethoate 60-51-5 ( 0.0020 w/v% )	Applicable	-	-
2,2-Dichlorovinyl Dimethyl Phosphate 62-73-7 ( 0.0020 w/v% )	Applicable	-	-
Phenylphosphonothioic acid O-ethyl	Applicable	-	-

Chemical Name	Poisonous and Deleterious Substances Control Law	Industrial Safety and Health Act Substances (Law Art.57-2)	Pollutant Release and Transfer Register Law (2023.4.1-)
O-(4-nitrophenyl)ester 2104-64-5 ( 0.0020 w/v% )			
Isofenphos 25311-71-1 ( 0.0020 w/v% )	Applicable	-	-
Methodathion 950-37-8 ( 0.0020 w/v% )	Applicable	-	-

## Section 16: OTHER INFORMATION

### Key literature references and sources for data etc.

NITE: National Institute of Technology and Evaluation (JAPAN)  
 ://www.chem-info.nite.go.jp/chem/chrip/chrip\_search/systemTop  
 IATA dangerous Goods Regulations  
 RTECS:Registry of Toxic Effects of Chemical Substances  
 Japan Industrial Safety and Health Association GHS Model SDS  
 Dictionary of Synthetic Organic Chemistry , SSOCJ, Koudansha Scientific Co.Ltd.  
 Chemical Dictionary, Kyouritsu Publishing Co., Ltd.  
 etc

### Record of SDS revisions

The following contents were revised. Product and company Identification.  
 Composition/information on ingredients. Fire fighting measures. Handling and storage.  
 Exposure controls/personal protection. Physical and chemical properties. Stability and reactivity. Toxicological information. Ecological information. Regulatory information.

### Disclaimer

This SDS is according to JIS Z 7253: 2019. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GHS Classification is according to JIS Z 7252:2019. \*JIS: Japanese Industrial Standards

**End of Safety Data Sheet**