

SAFETY DATA SHEET

According to JIS Z 7253:2019
Revision date 17-Jan-2024
 Revision Number 4.03

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	Pesticide Mixture Standard Solution PL-2-1 (each 20µg/mL Acetone Solution)
Product Code	168-22971, 164-22973

Supplier	FUJIFILM Wako Pure Chemical Corporation 1-2 Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan Phone: +81-6-6203-3741 Fax: +81-6-6203-2029
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

Flammable liquids

Category 2

Serious eye damage/eye irritation

Category 2B

Reproductive Toxicity

Category 2

Specific target organ toxicity (single exposure)

Category 3

Category 3 Respiratory irritation, Narcotic effects

Specific target organ toxicity (repeated exposure)

Category 1

Category 1 central nervous system, respiratory system

Acute aquatic toxicity

Category 2

Chronic aquatic toxicity

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

H401 - 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
Buprofezin	0.0020 w/v %	305.44	N/A	N/A	69327-76-0
Methoxychlor	0.0020 w/v %	345.65	N/A	N/A	72-43-5
Phosmet	0.0020 w/v %	317.32	N/A	8-(1)-1257	732-11-6
Pyraclufos	0.0020 w/v %	360.80	N/A	N/A	77458-01-6
Pentachloronitrobenzene	0.0020 w/v %	295.33	(3)-461	4-(12)-409	82-68-8
Myclobutanil	0.0020 w/v %	288.78	N/A	8-(3)-968	88671-89-0
Cyproconazole	0.0020 w/v %	291.78	(5)-6266	N/A	94361-06-5
Pyriproxyfen	0.0020 w/v %	321.37	(3)-4093	8-(1)-2090	95737-68-1
Propoxur	0.0020 w/v %	209.24	(3)-3216	4-(6)-185	114-26-1
Fenbuconazole	0.0020 w/v %	336.82	N/A	8-(3)-1397	114369-43-6
Difenoconazole	0.0020 w/v %	406.26	N/A	N/A	119446-68-3
Fenitrothion	0.0020 w/v %	277.23	(3)-2616	4-(9)-232	122-14-5
Fluquinconazole	0.0020 w/v %	376.17	N/A	N/A	136426-54-5
Carbofuran	0.0020 w/v %	221.25	(5)-5540	8-(4)-935	1563-66-2
2-Chloro-N-(2,6-diethylp henyl)-N-(methoxymeth yl)acetamide	0.0020 w/v %	269.77	N/A	4-(10)-162	15972-60-8
(Z)-Tetrachlorvinphos	0.0020 w/v %	365.96	(3)-3366	4-(9)-146	22248-79-9
Tri-allate	0.0020 w/v %	304.66	N/A	N/A	2303-17-5

Propargite	0.0020 w/v %	350.47	N/A	4-(9)-175	2312-35-8
Propyzamide	0.0020 w/v %	256.13	N/A	4-(7)-458	23950-58-5
Isofenphos	0.0020 w/v %	345.39	(3)-3683	4-(9)-258	25311-71-1
Isofenphos Oxon	0.0020 w/v %	329.33	N/A	N/A	31120-85-1
Chlorfenvinphos	0.0020 w/v %	359.56	N/A	N/A	470-90-6
Vinclozolin	0.0020 w/v %	286.11	N/A	8-(7)-162	50471-44-8
Isoprothiolane	0.0020 w/v %	290.40	N/A	8-(6)-21	50512-35-1
Metolachlor	0.0020 w/v %	283.79	N/A	4-(7)-1351	51218-45-2
3-Cyclohexyl-6-dimethyl amino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	0.0020 w/v %	252.31	(5)-5236	*	51235-04-2
MPP	0.0020 w/v %	278.33	N/A	4-(9)-130	55-38-9
Triadimenol	0.0020 w/v %	295.76	N/A	N/A	55219-65-3
Ethion	0.0020 w/v %	384.48	N/A	2-(7)-259	563-12-2
Fluridone	0.0020 w/v %	329.32	N/A	N/A	59756-60-4
Propiconazole	0.0020 w/v %	342.22	(5)-6187	8-(3)-731	60207-90-1

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 (CO₂), Foam, Extinguishing powder, Sand

Unsuitable extinguishing media

No information available

Specific hazards arising from the chemical product

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

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.

Recovery, 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 ³)	ISHL/ACL: 500 ppm	STEL: 500 ppm TWA: 250 ppm
Buprofezin 69327-76-0	TWA: 2 mg/m ³ OEL	N/A	N/A
Methoxychlor 72-43-5	N/A	N/A	TWA: 10 mg/m ³
Pentachloronitrobenzene 82-68-8	N/A	N/A	TWA: 0.5 mg/m ³
Propoxur 114-26-1	N/A	N/A	TWA: 0.5 mg/m ³ inhalable fraction and vapor
Fenitrothion 122-14-5	TWA: 1 mg/m ³ OEL Skin	N/A	N/A
Carbofuran 1563-66-2	N/A	N/A	TWA: 0.1 mg/m ³ inhalable fraction and vapor

2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide 15972-60-8	N/A	N/A	TWA: 1 mg/m ³ inhalable fraction and vapor
(Z)-Tetrachlorvinphos 22248-79-9	N/A	N/A	TWA: 0.5 mg/m ³ inhalable particulate matter Skin
Isoprothiolane 50512-35-1	TWA: 5 mg/m ³ OEL	N/A	N/A
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione 51235-04-2	N/A	N/A	TWA: 3 mg/m ³ inhalable particulate matter
MPP 55-38-9	TWA: 0.2 mg/m ³ OEL Skin	N/A	TWA: 0.05 mg/m ³ inhalable fraction and vapor Skin
Ethion 563-12-2	N/A	N/A	TWA: 0.05 mg/m ³ inhalable fraction and vapor Skin

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
Skin and body protection	Long-sleeved work clothes

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**Form**

Color	colorless
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

None under normal processing

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 monoxide (CO), Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Halides, Phosphorus oxide, Sulfur oxides (SO_x)

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)
Buprofezin	2198 mg/kg (Rat)	> 5000 mg/kg (Rat)	> 4.57 mg/L (Rat) 4 h
Methoxychlor	3,460 - 7,000 mg/kg (Rat)	N/A	N/A
Phosmet	121.3 mg/kg (Rat) 92.5 mg/kg (Rat)	> 3160 mg/kg (Rabbit) 3160 mg/kg (Rabbit) 1326 mg/kg (Rat)	54 mg/m ³ (Rat) 4 h > 0.152 mg/L (Rat) 4 h
Pyraclufos	237 mg/kg (rat)	N/A	N/A
Pentachloronitrobenzene	1100 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 1.7 mg/L (Rat) 4 h
Myclobutanil	1600 mg/kg (Rat)	>5.0 g/kg bw (Rabbit)	5.1 mg/L (Rat)
Cyproconazole	1020 mg/kg (Rat)	> 2000 mg/kg (Rat) > 2 g/kg (Rat)	> 5650 mg/m ³ (Rat) 4 h
Pyriproxyfen	>5 g/kg (Rat)	>2 g/kg (Rat)	>1300 mg/m ³ (Rat) 4 h
Propoxur	68 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	> 500 mg/m ³ (Rat) 4 h
Fenbuconazole	> 2 g/kg (Rat)	> 5 g/kg (Rat)	> 2100 mg/m ³ (Rat) 4 h
Difenoconazole	1453 mg/kg (Rat)	> 2010 mg/kg (Rabbit) 2010 mg/kg (Rat)	> 3300 mg/m ³ (Rat) 4 h > 45 mg/m ³ (Rat) 4 h
Fenitrothion	250 mg/kg (Rat) 330 mg/kg (Rat)	1260 mg/kg (Rat) 1002 mg/kg (Rat) 1250 mg/kg (Rabbit)	378 mg/m ³ (Rat) 4 h
Carbofuran	5 mg/kg (Rat) 7 mg/kg (Rat)	4403 mg/kg (Rabbit) 120 mg/kg (Rat) 885 mg/kg (Rabbit)	0.11 mg/L (Rat) 1 h
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 ³ (Rat) 6 h
(Z)-Tetrachlorvinphos	4000 mg/kg (Rat)	> 10000 mg/kg (Rat)	N/A
Tri-allate	800 mg/kg (Rat)	2225 mg/kg (Rabbit)	> 5.3 mg/L (Rat) 4 h
Propargite	1,480 mg/kg (Rat)	1,400 mg/kg (Rat)	0.89 mg/L (Rat) 4 h
Propyzamide	> 5,000 mg/kg (Rat)	> 3,160 mg/kg (Rat)	N/A
Isofenphos	28 mg/kg (Rat)	162 mg/kg (Rat)	0.144 mg/L (Rat) 4h
Chlorfenvinphos	9.66 mg/kg (Rat)	26.4 mg/kg (Rat)	0.05 mg/L (Rat) 4 h
Vinclozolin	> 15,000 mg/kg (Rat)	> 5,000 mg/kg (Rat)	29,100 mg/m ³ (Rat) 4 h
Isoprothiolane	1190 mg/kg (Rat)	> 10250 mg/kg (Rat)	> 2.77 mg/L
Metolachlor	2,000 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	> 1.75 mg/L (Rat) 4 h
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	1200 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 7.48 mg/L (Rat) 4 h
MPP	405 mg/kg (Rat)	963 mg/kg (Rabbit)	0.507 mg/L (Rat) 4 h
Triadimenol	700 mg/kg (Rat)	> 5000 mg/kg (Rat)	> 1 mg/L (Rat) 4h

Ethion	21 mg/kg (Rat)	62 mg/kg (Rat)	0.45 mg/L (Rat) 4 h
Fluridone	>10000 mg/kg(Rat)	>500 mg/kg(Rabbit)	4.12 mg/L(Rat)
Propiconazole	509 mg/kg (Rat)	> 4000 mg/kg (Rabbit) > 2000 mg/kg (Rat)	> 5.8 mg/L (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.
Buprofezin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Methoxychlor	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Phosmet	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pyraclufos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Propoxur	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Fenbuconazole	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Difenoconazole	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.
Carbofuran	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.
(Z)-Tetrachlorvinphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Propargite	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.
Isofenphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Chlorfenvinphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Vinclozolin	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.
Metolachlor	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	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.
Ethion	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.

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.
Buprofezin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.

Methoxychlor	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Phosmet	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pyraclufos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS Classification results.
Myclobutanil	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Propoxur	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Fenbuconazole	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Difenoconazole	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.
Carbofuran	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.
(Z)-Tetrachlorvinphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Propargite	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.
Isofenphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Chlorfenvinphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Vinclozolin	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.
Metolachlor	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	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.
Ethion	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.

Skin irritation/corrosion

Chemical Name	Skin corrosion/irritation source information
Acetone	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Methoxychlor	Based on the NITE GHS classification results.
Phosmet	Based on the NITE GHS classification results.
Pyraclufos	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Propoxur	Based on the NITE GHS classification results.
Fenbuconazole	Based on the NITE GHS classification results.
Difenoconazole	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
Carbofuran	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
(Z)-Tetrachlorvinphos	Based on the NITE GHS classification results.

Propargite	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Chlorfenvinphos	Based on the NITE GHS classification results.
Vinclozolin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Metolachlor	Based on the NITE GHS classification results.
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Ethion	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.

Serious eye damage/ irritation

Chemical Name	Serious eye damage/irritation source information
Acetone	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Methoxychlor	Based on the NITE GHS classification results.
Phosmet	Based on the NITE GHS classification results.
Pyraclufos	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Propoxur	Based on the NITE GHS classification results.
Fenbuconazole	Based on the NITE GHS classification results.
Difenoconazole	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
Carbofuran	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
(Z)-Tetrachlorvinphos	Based on the NITE GHS classification results.
Propargite	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Chlorfenvinphos	Based on the NITE GHS classification results.
Vinclozolin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Metolachlor	Based on the NITE GHS classification results.
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Ethion	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.

Respiratory or skin sensitization

Chemical Name	Respiratory or Skin sensitization source information
Acetone	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Methoxychlor	Based on the NITE GHS classification results.
Phosmet	Based on the NITE GHS classification results.
Pyraclufos	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Propoxur	Based on the NITE GHS classification results.
Fenbuconazole	Based on the NITE GHS classification results.
Difenoconazole	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
Carbofuran	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
(Z)-Tetrachlorvinphos	Based on the NITE GHS classification results.
Propargite	Based on the NITE GHS classification results.

Propyzamide	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Chlorfenvinphos	Based on the NITE GHS classification results.
Vinclozolin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Metolachlor	Based on the NITE GHS classification results.
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Ethion	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.

Reproductive cell mutagenicity

Chemical Name	germ cell mutagenicity source information
Acetone	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Methoxychlor	Based on the NITE GHS classification results.
Phosmet	Based on the NITE GHS classification results.
Pyraclufos	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Propoxur	Based on the NITE GHS classification results.
Fenbuconazole	Based on the NITE GHS classification results.
Difenoconazole	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
Carbofuran	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
(Z)-Tetrachlorvinphos	Based on the NITE GHS classification results.
Propargite	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Chlorfenvinphos	Based on the NITE GHS classification results.
Vinclozolin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Metolachlor	Based on the NITE GHS classification results.
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Ethion	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.

Carcinogenicity

Chemical Name	Carcinogenicity source information
Acetone	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Methoxychlor	Based on the NITE GHS classification results.
Phosmet	Based on the NITE GHS classification results.
Pyraclufos	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Propoxur	Based on the NITE GHS classification results.
Fenbuconazole	Based on the NITE GHS classification results.
Difenoconazole	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
Carbofuran	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
(Z)-Tetrachlorvinphos	Based on the NITE GHS classification results.
Propargite	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.

Isofenphos	Based on the NITE GHS classification results.
Chlorfenvinphos	Based on the NITE GHS classification results.
Vinclozolin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Metolachlor	Based on the NITE GHS classification results.
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Ethion	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.

Chemical Name	NTP	IARC	ACGIH	JSOH (Japan)
Methoxychlor 72-43-5		Group 3		
Phosmet 732-11-6		Group 2A		
Pyraclufos 77458-01-6		Group 2A		
Pentachloronitrobenzene 82-68-8		Group 3		
Propoxur 114-26-1		Group 2A	A3	
Fenitrothion 122-14-5	-	Group 2A	-	-
Carbofuran 1563-66-2		Group 2A		
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide 15972-60-8			A3	
(Z)-Tetrachlorvinphos 22248-79-9		Group 2B		
Isofenphos 25311-71-1		Group 2A		
Chlorfenvinphos 470-90-6		Group 2A		
Isoprothiolane 50512-35-1		Group 2A		
MPP 55-38-9		Group 2A		
Triadimenol 55219-65-3		Group 2B		
Ethion 563-12-2	-	Group 2A	-	-

Reproductive toxicity

Chemical Name	Reproductive toxicity source information
Acetone	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Methoxychlor	Based on the NITE GHS classification results.
Phosmet	Based on the NITE GHS classification results.
Pyraclufos	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Propoxur	Based on the NITE GHS classification results.
Fenbuconazole	Based on the NITE GHS classification results.
Difenoconazole	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
Carbofuran	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.

(Z)-Tetrachlorvinphos	Based on the NITE GHS classification results.
Propargite	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Chlorfenvinphos	Based on the NITE GHS classification results.
Vinclozolin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Metolachlor	Based on the NITE GHS classification results.
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Ethion	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.

STOT-single exposure

Chemical Name	STOT -single exposure- source information
Acetone	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Methoxychlor	Based on the NITE GHS classification results.
Phosmet	Based on the NITE GHS classification results.
Pyraclöfos	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Propoxur	Based on the NITE GHS classification results.
Fenbuconazole	Based on the NITE GHS classification results.
Difenoconazole	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
Carbofuran	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
(Z)-Tetrachlorvinphos	Based on the NITE GHS classification results.
Propargite	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Chlorfenvinphos	Based on the NITE GHS classification results.
Vinclozolin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Metolachlor	Based on the NITE GHS classification results.
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Ethion	Based on the NITE GHS classification results.
Propiconazole	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.
Buprofezin	Based on the NITE GHS classification results.
Methoxychlor	Based on the NITE GHS classification results.
Phosmet	Based on the NITE GHS classification results.
Pyraclöfos	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Propoxur	Based on the NITE GHS classification results.
Fenbuconazole	Based on the NITE GHS classification results.
Difenoconazole	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
Carbofuran	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
(Z)-Tetrachlorvinphos	Based on the NITE GHS classification results.

Propargite	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Chlorfenvinphos	Based on the NITE GHS classification results.
Vinclozolin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Metolachlor	Based on the NITE GHS classification results.
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Ethion	Based on the NITE GHS classification results.
Propiconazole	Based on the NITE GHS classification results.

Aspiration hazard

Chemical Name	Aspiration Hazard source information
Acetone	Based on the NITE GHS classification results.
Buprofezin	Based on the NITE GHS classification results.
Methoxychlor	Based on the NITE GHS classification results.
Phosmet	Based on the NITE GHS classification results.
Pyraclufos	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Propoxur	Based on the NITE GHS classification results.
Fenbuconazole	Based on the NITE GHS classification results.
Difenoconazole	Based on the NITE GHS classification results.
Fenitrothion	Based on the NITE GHS classification results.
Carbofuran	Based on the NITE GHS classification results.
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	Based on the NITE GHS classification results.
(Z)-Tetrachlorvinphos	Based on the NITE GHS classification results.
Propargite	Based on the NITE GHS classification results.
Propyzamide	Based on the NITE GHS classification results.
Isofenphos	Based on the NITE GHS classification results.
Chlorfenvinphos	Based on the NITE GHS classification results.
Vinclozolin	Based on the NITE GHS classification results.
Isoprothiolane	Based on the NITE GHS classification results.
Metolachlor	Based on the NITE GHS classification results.
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	Based on the NITE GHS classification results.
MPP	Based on the NITE GHS classification results.
Ethion	Based on the NITE GHS classification results.
Propiconazole	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
Buprofezin	N/A	LC50 : Fathead minnow 0.527 mg/L 96 h	N/A
Methoxychlor	N/A	N/A	EC50 : Corixidae 0.0018 mg/L 96 h
Phosmet	N/A	LC50:Lepomis macrochirus 0.015 - 0.033 mg/L 96 h LC50:Oncorhynchus mykiss 0.066 - 0.167 mg/L 96 h	EC50:Daphnia magna 0.019 - 0.04 mg/L 48 h EC50:Daphnia magna 0.042 - 0.084 mg/L 48 h

		LC50:Oncorhynchus mykiss 0.105 - 0.136 mg/L 96 h LC50:Oncorhynchus mykiss 0.46 - 0.68 mg/L 96 h LC50:Cyprinus carpio 20 - 26 mg/L 96 h LC50:Pimephales promelas 4.676 - 11.395 mg/L 96 h LC50:Lepomis macrochirus 0.08 mg/L 96 h	
Pyraclufos	N/A	N/A	EC50:Daphnia magna 0.0032 mg/L 48 h
Pentachloronitrobenzene	N/A	N/A	LC50 : Mysidopsis bahia 0.012 mg/L 96 h
Myclobutanil	N/A	N/A	LC50 : Mysid 0.24 mg/L 96 h
Pyriproxyfen	EC50 : 0.15 mg/L 72 h	LC50 : >0.27 mg/L 96 h	EC50 : 0.4 mg/L 48 h
Propoxur	N/A	N/A	EC / LC50 : Daphnia magna 0.011 ppm
Fenbuconazole	N/A	N/A	LC50 : Mysidopsis bahia 0.633 mg/L 96 h
Difenoconazole	N/A	LC50 : Danio rerio 0.001329 mg/L 96 h	EC50 : Daphnia magna 0.77 mg/L 48 h
Carbofuran	N/A	LC50 : Bluegills 80 ug/L 96 h	N/A
2-Chloro-N-(2,6-diethylphenyl)- N-(methoxymethyl)acetamide	EC50:Pseudokirchneriella subcapitata 0.004 - 0.009 mg/L 96 h static EC50:Pseudokirchneriella subcapitata 0.0115 mg/L 72 h	LC50:Lepomis macrochirus 2.5 - 3.2 mg/L 96 h LC50:Pimephales promelas 5.0 mg/L 96 h LC50:Oncorhynchus mykiss 100 mg/L 96 h	EC50:Daphnia magna 6 - 9.9 mg/L 48 h
(Z)-Tetrachlorvinphos	N/A	N/A	LC50 : Daphnia magna 1.9 ppb
Tri-allate	N/A	LC50 : Oncorhynchus mykiss 0.44 - 0.87 mg/L 96 h	EC50 : Daphnia magna 0.048 - 0.067 mg/L 48 h
Propargite	N/A	N/A	EC50:Daphnia magna 0.013 mg/L 48 h
Propyzamide	EC50 : Pseudokirchneriella subcapitata 3.4mg/L 72h	N/A	N/A
Isofenphos	EC50:Desmodesmus subspicatus 6.8 mg/L 96 h	LC50:Lepomis macrochirus 2.2 mg/L 96 h LC50:Oncorhynchus mykiss 3.3 mg/L 96 h	EC50:Daphnia magna 1.6ppb 48h
Vinclozolin	EC50 : Lemna gibba 0.9 mg/L 5 d	LC50 : Oncorhynchus mykiss 2.84 mg/mL 96 h	EC50 : Daphnia magna 3.65 mg/mL 48 h
Isoprothiolane	N/A	LC50: Rainbow trout 8100 ug/L 96 h	N/A
Metolachlor	ErC50 : Pseudokirchneriella subcapitata 0.098 mg/L 72 h	N/A	N/A
3-Cyclohexyl-6-dimethylamino- 1-methyl-1,3,5-triazine-2,4(1H, 3H)-dione	ErC50 : Pseudokirchneriella subcapitata 0.041 mg a.i./L 72 h	N/A	N/A
MPP	EC50:Desmodesmus subspicatus 1.79 mg/L 96 h	N/A	LC50 : Palaemon macroductylus 0.0053 mg/L 96 h
Triadimenol	EC50:Desmodesmus subspicatus 3.2 mg/L 96 h static EC50:Desmodesmus subspicatus	LC50:Lepomis macrochirus 13-17 mg/L 96 h LC50:Oncorhynchus mykiss 12.0-16.0 mg/L 96 h	EC50:Daphnia magna 51 mg/L 48 h

	3.7 mg/L 96 h		
Ethion	N/A	N/A	EC50:Daphnia magna 0.056 ppb 48 h
Fluridone	EC50 : 4.9mg/L 48 h	LC50 : 7.7 mg/L 96 h	EC50 : 3.6 mg/L 48 h
Propiconazole	N/A	N/A	LC50 : Mysidopsis bahia 0.51 mg/L 96 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.
Buprofezin	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Methoxychlor	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Phosmet	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pyraclufos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Propoxur	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Fenbuconazole	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Difenoconazole	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.
Carbofuran	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.
(Z)-Tetrachlorvinphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Propargite	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.
Isofenphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Chlorfenvinphos	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Vinclozolin	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.
Metolachlor	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione	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.
Ethion	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.

Persistence and degradability
Bioaccumulative potential

No information available
No information available

Mobility in soil	No information available
Hazard to the ozone layer	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

UN number	UN1090
Proper shipping name:	Acetone
UN classification	3
Subsidiary hazard class	
Packing group	II
Marine pollutant	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 3rd. 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 (Enforcement Order Attached Table No.6-2, Ordinance on Prevention of Organic Solvent Poisoning Art.1, Para.1, Item 5) 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	-
Phosmet 732-11-6 (0.0020 w/v %)	Applicable	-	-
Isofenphos 25311-71-1 (0.0020 w/v %)	Applicable	-	-
Chlorfenvinphos 470-90-6 (0.0020 w/v %)	Applicable	-	-
Ethion 563-12-2 (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)
<http://www.safe.nite.go.jp/japan/db.html>
 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. Exposure controls/personal protection. 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