SAFETY DATA SHEET

According to JIS Z 7253:2019
Issue Date 19-Feb-2025
Revision Number 4.04

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	Pesticide Mixture Standard Solution PL-2-1 (each 20µg/mLAcetone 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	99 - 100 w/v%	58.08	(2)-542	*	67-64-1
Buprofezin	0.0020 w/v%	305.44	N/A	8-(7)-839	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
Pyraclofos	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-diethylphenyl)-N-(methoxymethyl)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-tri azine-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 contaminent 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

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.Use with local exhaust ventilation. 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	Packed with an inert gas. Container protected from light, and store tightly closed in freezer (-20°C). 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: 750 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: 0.2 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	N/A	N/A	TWA: 1 mg/m^3 inhalable fraction and vapor

15972-60-8			
(Z)-Tetrachlorvinphos 22248-79-9	N/A	N/A	TWA: 0.5 mg/m³ inhalable particulate matter Skin
Isoprothiolane 50512-35-1	TWA: 5 mg/m³ 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/m³ inhalable particulate matter
MPP 55-38-9	TWA: 0.2 mg/m³ OEL Skin	N/A	TWA: 0.05 mg/m³ inhalable fraction and vapor Skin
Ethion 563-12-2	N/A	N/A	TWA: 0.05 mg/m³ 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)
Methoxychlor 72-43-5	1 mg/m³	N/A
Propoxur 114-26-1	0.5 . /m³	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 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	0.79 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 (CO2), Nitrogen oxides (NOx), Halides, Phosphorus oxide, Sulfur oxides (SOx)

Section 11: TOXICOLOGICAL INFORMATION

*NITE: National Institute of Technology and Evaluation (JAPAN)
https://www.chem-info.nite.go.jp/en/chem/chrip/chrip_search/srhInput

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)	> 0.152 mg/L (Rat) 4 h
Pyraclofos	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/m³ (Rat) 4 h
Pyriproxyfen	>5 g/kg (Rat)	>2 g/kg (Rat)	>1300 mg/m³ (Rat) 4 h
Propoxur	68 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	> 500 mg/m³ (Rat) 4 h
Fenbuconazole	> 2 g/kg (Rat)	> 5 g/kg (Rat)	> 2100 mg/m³ (Rat) 4 h
Difenoconazole	= 1453 mg/kg (Rat)	> 2010 mg/kg (Rabbit)	> 3300 mg/m³ (Rat) 4 h > 45 mg/m³ (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/m³ (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	930 mg/kg (Rat)	13300 mg/kg (Rabbit)	> 1.04 mg/L (Rat) 4 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	> 10,000 mg/kg (Rat)	> 2,500 mg/kg (Rat)	>29 mg/L (Rat)
Isoprothiolane	= 1190 mg/kg (Rat)	> 10250 mg/kg (Rat)	> 2.77 mg/L (Rat)
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.
Pyraclofos	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	Based on the NITE GHS	Based on the NITE GHS

	classification results.	classification results.	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.
Pyraclofos	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.
Pyraclofos	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.
Pyraclofos	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.
Pyraclofos	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 mutagencity 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.
Pyraclofos	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.
Pyraclofos	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
Methoxychlor 72-43-5	N/A	Group 3	N/A	N/A
Pentachloronitrobenzene 82-68-8	N/A	Group 3	N/A	N/A
Propoxur 114-26-1	N/A	N/A	A3	N/A
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl) acetamide 15972-60-8	N/A	N/A	A3	N/A
(Z)-Tetrachlorvinphos 22248-79-9	N/A	Group 2B	A3	N/A
Ethion 563-12-2	N/A	N/A	N/A	-

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.
Pyraclofos	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.
Pyraclofos	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.
Pyraclofos	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)-di	Based on the NITE GHS classification results.

one	
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.
Pyraclofos	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

*NITE: National Institute of Technology and Evaluation (JAPAN)
https://www.chem-info.nite.go.jp/en/chem/chrip/chrip_search/srhInput

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 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*	*EC50:Daphnia magna 0.019 - 0.04 mg/L 48 h EC50:Daphnia magna 0.042 - 0.084 mg/L 48 h*

		4.676 - 11.395 mg/L 96 h *LC50:Lepomis macrochirus* *0.08 mg/L 96 h*	
Pyraclofos	*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	*ErC50 : Pseudokirchneriella subcapitata* *0.0047 mg/L 96 h*	*N/A*	*N/A*
(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	*EC50: >1.08mg/L (96h, Pseudokirchneriella subcapitata)*	*LC50: 0.096 - 0.146mg/L (96h, Oncorhynchus mykiss)* *LC50: 0.105 - 0.231mg/L (96h, Oncorhynchus mykiss)* *LC50: 0.022 - 0.043mg/L (96h, Lepomis macrochirus)*	*EC50:Daphnia magna* *0.013 mg/L 48 h*
Propyzamide	*EC50 : Pseudokirchneriella subcapitata* *3.4mg/L 72 h*	*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*	*LC50: 8.6 - 12mg/L (96h, Lepomis macrochirus)* *LC50: 3.3 - 4.6mg/L (96h, Oncorhynchus mykiss)* *LC50: 5.4 - 12mg/L (96h, Pimephales promelas)* *LC50: 7.4 - 10.5mg/L (96h, Poecilia reticulata)*	*LC50: =25.1mg/L (48h, Daphnia magna)* *EC50: =4.25mg/L (48h, Daphnia magna)* *EC50: 13 - 18.4mg/L (48h, Daphnia magna)*
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*	*LC50 : Lepomis macrochirus* *1.08 - 1.77 mg/L 96 h* *LC50 : Lepomis macrochirus* *0.950 - 3.60 mg/L 96 h* *LC50 : Cyprinus carpio* *532 - 2550 µg/L 96 h* *LC50 : Oncorhynchus mykiss* *490 - 1100 µg/L 96 h*	*LC50 : Palaemon macrodactylus* *0.0053 mg/L 96 h*

		LC50 : Oncorhynchus mykiss 550 µg/L 96 h *LC50 : Pimephales promelas 1370 - 2060 µg/L 96 h* *LC50 : Poecilia reticulata 1990 - 2220 µg/L 96 h*	
Triadimenol	*EC50:Desmodesmus subspicatus 3.2 mg/L 96 h static* *EC50:Desmodesmus subspicatus 3.7 mg/L 96 h*	*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*
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.
Pyraclofos	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	Based on the NITE GHS classification	Based on the NITE GHS classification

-2,4(1H,3H)-dione	results.	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 No information available
Bioaccumulative potential 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 classfication 3
Subsidiary hazard class
Packing group II
Marine pollutant Yes

IMDG
UN number UN1090
Proper shipping name: Acetone
UN classfication 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 classfication 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)
Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc	Class I Specified Chemical Substances (Law Art.2, Para.2, Enforcement Order Art.1)
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 Nortification 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
Narcotics and Psychotropics Control Law	

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 (99 - 100 w/v%)	-	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) https://www.chem-info.nite.go.jp/en/chem/chrip/chrip_search/srhInput IATA dangerous Goods Regulations RTECS:Registry of Toxic Effects of Chemical Substances Japan Industrial Safety and Health Association GHS Model SDS Dictionary of Synthetic Oraganic Chemistry , SSOCJ, Koudansha Scientific Co.Ltd. Chemical Dictionary, Kyouritsu Publishing Co., Ltd. etc
Record of SDS revisions	The following contents were revised. Exposure controls/personal protection. Physical and chemical properties. Stability and reactivity. 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