SAFETY DATA SHEET

According to JIS Z 7253:2019
Issue Date 24-Jun-2025
Revision Number 1

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	Pesticide Mixture Standard Solution PL-2-2 (each 20µg/mL Acetone Solution)
Product Code	160-29871,166-29873

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
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, gastrointestinal tract	
Acute aquatic toxicity	Category 1
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
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H372 - Causes damage to the following organs through prolonged or repeated exposure: central nervous system, respiratory system, gastrointestinal tract

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	99.925	58.08	(2)-542	*	67-64-1
Buprofezin	0.0025	305.44	N/A	8-(7)-839	69327-76-0
Phosmet	0.0025	317.32	N/A	8-(1)-1257	732-11-6
Pentachloronitrobenzene	0.0025	295.33	(3)-461	4-(12)-409	82-68-8
Myclobutanil	0.0025	288.78	N/A	8-(3)-968	88671-89-0
Pyraclofos	0.0025	360.80	N/A	8-(2)-1365	89784-60-1
Cyproconazole	0.0025	291.78	(5)-6266	N/A	94361-06-5
Pyriproxyfen	0.0025	321.37	(3)-4093	8-(1)-2090	95737-68-1
Propoxur	0.0025	209.24	(3)-3216	4-(6)-185	114-26-1
Fenbuconazole	0.0025	336.82	N/A	8-(3)-1397	114369-43-6
Difenoconazole	0.0025	406.26	N/A	N/A	119446-68-3
Fenitrothion	0.0025	277.23	(3)-2616	4-(9)-232	122-14-5
Fluquinconazole	0.0025	376.17	N/A	N/A	136426-54-5
Carbofuran	0.0025	221.25	(5)-5540	8-(4)-935	1563-66-2
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide	0.0025	269.77	N/A	4-(10)-162	15972-60-8
(Z)-Tetrachlorvinphos	0.0025	365.96	(3)-3366	4-(9)-146	22248-79-9
Tri-allate	0.0025	304.66	N/A	N/A	2303-17-5
Propargite	0.0025	350.47	N/A	4-(9)-175	2312-35-8
Propyzamide	0.0025	256.13	N/A	4-(7)-458	23950-58-5

Isofenphos	0.0025	345.39	(3)-3683	4-(9)-258	25311-71-1
Isofenphos Oxon	0.0025	329.33	N/A	N/A	31120-85-1
Chlorfenvinphos	0.0025	359.56	N/A	N/A	470-90-6
Vinclozolin	0.0025	286.11	N/A	8-(7)-162	50471-44-8
Isoprothiolane	0.0025	290.40	N/A	8-(6)-21	50512-35-1
Metolachlor	0.0025	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	0.0025	252.31	(5)-5236	*	51235-04-2
MPP	0.0025	278.33	N/A	4-(9)-130	55-38-9
Triadimenol	0.0025	295.76	N/A	N/A	55219-65-3
Ethion	0.0025	384.48	N/A	2-(7)-259	563-12-2
Fluridone	0.0025	329.32	N/A	N/A	59756-60-4
Propiconazole	0.0025	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 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/m³)	ISHL/ACL: 500 ppm	STEL: 500 ppm TWA: 750 ppm
Buprofezin 69327-76-0	TWA: 2 mg/m³ OEL	N/A	N/A
Pentachloronitrobenzene 82-68-8	N/A	N/A	TWA: 0.5 mg/m³
Propoxur 114-26-1	N/A	N/A	TWA: 0.5 mg/m³ inhalable fraction and vapor
Fenitrothion 122-14-5	TWA: 0.2 mg/m³ OEL Skin	N/A	N/A
Carbofuran 1563-66-2	N/A	N/A	TWA: 0.1 mg/m³ inhalable fraction and vapor
2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide 15972-60-8	N/A	N/A	TWA: 1 mg/m³ inhalable fraction and vapor
(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)
Propoxur 114-26-1	0.5 ㎎/㎥	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

Data except for the appearance is described as an Acetone.

Form	
Color	colorless
Turbidity	clear
Appearance	liquid
Odor	no data available
Melting point/freezing point	no data available
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：	no data available
Lower：	no data available
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	no data available
n-Octanol/water partition coefficient:(log Pow)	no data available
Vapour pressure	no data available
Specific Gravity / Relative density	0.789 - 0.792 g/mL
Vapour density	no data available

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), Sulfur oxides (SOx), Phosphorus oxide, Halides

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
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
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)
Pyraclofos	237 mg/kg (Rat)	> 2000 mg/kg (Rat)	1.46 mg/L (Rat) 4 h
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	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 2.1 mg/L (Rat)
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) 4 h
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-	1200 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 7.48 mg/L (Rat) 4 h

1-methyl-1,3,5-triazine-2,4(1H,3H)-dione			
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) 4 h
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.
Phosmet	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.
Pyraclofos	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.
Phosmet	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.
Pyraclofos	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.
Phosmet	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Pyraclofos	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.
Phosmet	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Pyraclofos	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.
Phosmet	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Pyraclofos	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.
Phosmet	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Pyraclofos	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.
Phosmet	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Pyraclofos	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
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.
Phosmet	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Pyraclofos	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.
Phosmet	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Pyraclofos	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.
Phosmet	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Pyraclofos	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.
Phosmet	Based on the NITE GHS classification results.
Pentachloronitrobenzene	Based on the NITE GHS classification results.
Myclobutanil	Based on the NITE GHS classification results.
Pyraclofos	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*
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 4.676 - 11.395 mg/L 96 h LC50:Lepomis macrochirus 0.08 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*
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*	*LC50 : Pimephales promelas 5.0 mg/L 96 h LC50 : Lepomis macrochirus 2.5 - 3.2 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*	*EC50 : Daphnia magna*

		0.44 - 0.87 mg/L 96 h	*0.048 - 0.067 mg/L 48 h*
Propargite	*EC50 : Pseudokirchneriella subcapitata > 1.08 mg/L 96 h*	*LC50 : Oncorhynchus mykiss 0.096 - 0.146 mg/L 96 h LC50 : Oncorhynchus mykiss 0.105 - 0.231 mg/L 96 h LC50 : Lepomis macrochirus 0.022 - 0.043 mg/L 96 h*	*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 : Lepomis macrochirus 8.6 - 12 mg/L 96 h LC50 : Oncorhynchus mykiss 3.3 - 4.6 mg/L 96 h LC50 : Pimephales promelas 5.4 - 12 mg/L 96 h LC50 : Poecilia reticulata 7.4 - 10.5 mg/L 96 h*	*LC50 : Daphnia magna 25.1 mg/L 48 h EC50 : Daphnia magna 4.25 mg/L 48 h EC50 : Daphnia magna 13 - 18.4mg/L 48 h*
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 : 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*	*LC50 : Palaemon macrodactylus 0.0053 mg/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.
Phosmet	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.
Pyraclofos	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 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)
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)
Pollutant Release and Transfer Register Law (2023.4.1-)	Not applicable
Water Pollution Control Act	Specified substances(Law Art.2 Para.4, Enforcement Order Art.3-3)
Narcotics and Psychotropics Control Law	
Air Pollution Control Law	Hazardous Air Pollutants

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 (99.925)	-	Applicable	-
Phosmet	Applicable	-	-

Chemical Name	Poisonous and Deleterious Substances Control Law	Industrial Safety and Health Act Substances (Law Art.57-2)	Pollutant Release and Transfer Register Law (2023.4.1-)
732-11-6 (0.0025)			
Isofenphos 25311-71-1 (0.0025)	Applicable	-	-
Chlorfenvinphos 470-90-6 (0.0025)	Applicable	-	-
Ethion 563-12-2 (0.0025)	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

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