

## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

**Product identifier used on the label**

: **GATTEN® Fungicide**

**Other means of identification** : PCP 34297

**Recommended use of the chemical and restrictions on use**

: Fungicide. Emulsifiable concentrate.  
Recommended restrictions: None known.

**Chemical family**

: Mixture

**Name, address, and telephone number of the manufacturer:**

**OAT Agrico Co. LTD.**

1-3-1 Kanda Ogawa-machi  
Chiyoda-ku, Tokyo, 101-0052  
Japan  
Manufacturer's Telephone # : +81-3-5283-0256

**Name, address, and telephone number of the supplier:**

**Cohort Wholesale**

1520 Sandhill Dr.  
Ancaster, ON, Canada  
L9G 4V5  
Supplier's Telephone # : (855) 888-4655  
**24 Hr. Emergency Tel #** : CHEMTREC 1-800-424-9300 / +1 703-527-3887

Public inquires contact:  
Ideologic PDS Inc.  
105 Victoria Street, Suite 408  
Toronto, ON M5C 3B4  
Telephone (416) 506-9900

### SECTION 2. HAZARDS IDENTIFICATION

**Classification of the chemical**

Yellow liquid. Fruity odour.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazard classification:

Flammable liquid - Category 4  
Skin corrosion/irritation - Category 2  
Skin sensitization - Category 1A  
Eye damage/irritation - Category 2A  
Reproductive toxicity - Category 1B  
Specific target organ toxicity, single exposure - Category 3 (respiratory)  
Aspiration Toxicity - Category 1

**Label elements**

*Hazard pictogram(s)*



*Signal Word*

**DANGER!**

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### Hazard statement(s)

Combustible liquid.  
 Causes skin irritation.  
 May cause an allergic skin reaction.  
 Causes serious eye irritation.  
 May cause respiratory irritation.  
 May damage fertility or the unborn child.  
 May be fatal if swallowed and enters airways.

### Precautionary statement(s)

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Keep away from flames and hot surfaces. - No smoking.  
 Wear protective gloves/clothing and eye/face protection.  
 Avoid breathing mist, vapors or spray.  
 Contaminated work clothing must not be allowed out of the workplace.  
 Use only outdoors or in a well-ventilated area.  
 Wash hands and face thoroughly after handling.

IF exposed or concerned: Get medical attention/advice.  
 IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs: 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 INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Call a POISON CENTER or doctor/physician if you feel unwell.  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.  
 In case of fire: Use alcohol-resistant foam, carbon dioxide or dry chemical to extinguish.

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

Dispose of contents/container in accordance with local regulation.

### Other hazards

Other hazards which do not result in classification:  
 Burning produces obnoxious and toxic fumes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. The product may be absorbed through the skin.

### Ecological information:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Avoid release to the environment. See Section 12 for more environmental information.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture.

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
n-Methylpyrrolidone	1-Methyl-2-pyrrolidone; NMP	872-50-4	30.0 - 60.0
Ethoxylated polyarylphenol	Polyoxyalkylene polystyryl phenyl ether Newcol 2609	99734-09-5	10.0 - 30.0
(2Z)-[2-fluoro-5-(trifluoro-methyl)phenyl]thio[3-(2-methoxyphenyl)-1,3-thiazolidin-2-ylidene]acetonitrile	Flutianil	958647-10-4	1.0 - 5.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

## SECTION 4. FIRST-AID MEASURES

### Description of first aid measures

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- Ingestion* : Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. Get medical attention if irritation develops and persists.
- Inhalation* : Remove exposed person to fresh air immediately. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Call a POISON CENTRE or doctor/physician if you feel unwell.
- Skin contact* : Wash off with soap and plenty of water. Take off contaminated clothing and wash before re-use. If skin irritation occurs: Get medical advice/attention.
- Eye contact* : Flush eyes with water for at least 15 minutes. If eye irritation persists: get medical advice/attention.

### Most important symptoms and effects, both acute and delayed

- : Causes skin irritation. Symptoms may include redness, edema, drying defatting and cracking of the skin. May be absorbed through the skin, however there are no reports of harmful effects following occupational exposure.
  - May cause an allergic skin reaction (e.g. swelling, rash and eczema).
- Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
- May damage the unborn child. Symptoms may include decreased fetal and pup body weight, delayed ossification, skeletal malformations and increased fetal and pup mortality.
- Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- May cause respiratory irritation. Symptoms may include coughing, mucous production and difficulty breathing.
- Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.

### Indication of any immediate medical attention and special treatment needed

- : Immediate medical attention is required. Aspiration hazard. Provide general supportive measures and treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing media

#### *Suitable extinguishing media*

- : Carbon dioxide (CO<sub>2</sub>); Dry chemical; Alcohol resistant foam; Water fog

#### *Unsuitable extinguishing media*

- : Do not use a solid water stream as it may scatter and spread fire.

### Special hazards arising from the substance or mixture / Conditions of flammability

- : Combustible liquid. Heating can release vapours which can be ignited. Burning produces obnoxious and toxic fumes. Vapors are heavier than air and may spread along floors. Vapors may travel considerable distance to a source of ignition and flash back. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

### Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable liquid - Category 4

### Hazardous combustion products

- : Carbon oxides; Nitrogen oxides; Hydrogen fluoride; Other irritating fumes and smoke.

### Special protective equipment and precautions for firefighters

#### *Protective equipment for fire-fighters*

- : Do not enter without wearing specialized protective equipment suitable for the situation. Firefighter's normal protective clothing (Bunker Gear) will not provide adequate protection. A full-body encapsulating chemical protective suit with positive pressure self-contained breathing apparatus (NIOSH approved or equivalent) may be necessary.

#### *Special fire-fighting procedures*

- : Avoid breathing mist, vapors or spray. Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

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- : Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Ventilate the area. Restrict access to area until completion of clean-up. Keep people away from and upwind of spill/leak. Do not touch or walk through spilled material. Ensure clean-up is conducted by trained personnel only. All persons dealing with the clean-up should wear the appropriate personal protective equipment. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions** : Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

### Methods and material for containment and cleaning up

- : Ventilate the area. Remove all sources of ignition. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Prevent further leakage or spillage if safe to do so. Avoid breathing mist, vapors or spray. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand). Do not use combustible absorbents, such as sawdust. Use only non-sparking tools and equipment in the clean-up process. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Refer to Section 13 for disposal of contaminated material. Contact the proper local authorities.

### Special spill response procedures

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the National Response Center in the United States (phone: 1-800-424-8802).  
EPA/CERCLA Reportable quantity (RQ): None known.  
In Canada: (613) 996-6666 (CANUTEC)

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling

- : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Wear suitable protective equipment. Wear protective gloves/clothing and eye/face protection. See Section 8 for additional personal protection advice when handling this product. Avoid breathing mist, vapors or spray. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash hands and face thoroughly after handling. Wash contaminated clothing before reuse. Keep away from flames and hot surfaces. - No smoking. Use proper bonding and grounding techniques when transferring liquid. Use only non-sparking tools with this material. Keep away from incompatibles. Keep containers closed when not in use. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

- Conditions for safe storage** : Store in a well-ventilated place. Keep cool. Store locked up. Keep away from heat, flame, sparks, or ignition sources. Keep container tightly closed. Store at temperatures below 90°C / 194°F. Store out of direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. No smoking. Inspect periodically for damage or leaks. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area.

- Incompatible materials** : Heat. Light. Strong oxidizing agents. Strong acids. Strong bases.

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## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
n-Methylpyrrolidone	10 ppm (skin) (AIHA WEEL)	N/Av	N/Av	N/Av
Ethoxylated polyarylphenol	N/Av	N/Av	N/Av	N/Av
(2Z)-[2-fluoro-5-(trifluoromethyl)phenyl]thio[3-(2-methoxyphenyl)-1,3-thiazolidin-2-ylidene]acetonitrile	N/Av	N/Av	N/Av	N/Av

**Exposure controls****Ventilation and engineering measures**

- : Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

**Respiratory protection**

- : If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection specialists.

**Skin protection**

- : Wear protective gloves/clothing. Wear appropriate chemical resistant gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Wear sufficient clothing to prevent skin contact.

**Eye / face protection**

- : Wear eye/face protection. Chemical splash goggles are recommended. A full face shield may also be necessary.

**Other protective equipment**

- : Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

**General hygiene considerations**

- : Avoid breathing vapours, fumes, or mists. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly after using this product, and before eating, drinking or smoking. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Yellow liquid.
- Odour** : Fruity odour. (slight)
- Odour threshold** : Not available.
- pH** : 4.87 (1% aqueous dilution)
- Melting Point/Freezing point** : Not available.

**Initial boiling point and boiling range**

- : Not available.

**Flash point**

- : 91 ±2 °C

**Flashpoint (Method)**

- : Not available.

**Evaporation rate (BuAe = 1)**

- : Not available.

**Flammability (solid, gas)**

- : Not applicable.

**Lower flammable limit (% by vol.)**

- : Not available.

**Upper flammable limit (% by vol.)**

- : Not available.

**Oxidizing properties**

- : None known.

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<b>Explosive properties</b>	: Not explosive.
<b>Vapour pressure</b>	: Not available.
<b>Vapour density</b>	: Not available.
<b>Relative density / Specific gravity</b>	: 1.08 g/cm <sup>3</sup> at °C: 20 ± 0.5
<b>Solubility in water</b>	: Emulsifies.
<b>Other solubility(ies)</b>	: Not available.
<b>Partition coefficient: n-octanol/water or Coefficient of water/oil distribution</b>	: Not available.
<b>Auto-ignition temperature</b>	: 286 ±5 °C
<b>Decomposition temperature</b>	: Not available.
<b>Viscosity</b>	: 5.45mm <sup>2</sup> /sat 20 °C±0.5°C
<b>Volatiles (% by weight)</b>	: Not available.
<b>Volatile organic Compounds (VOC's)</b>	: Not available.
<b>Absolute pressure of container</b>	: Not applicable.
<b>Flame projection length</b>	: Not applicable.
<b>Other physical/chemical comments</b>	: Surface tension: 40.1mN/m at 20 °C±0.5°C

### SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	: Not normally reactive.
<b>Chemical stability</b>	: Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	: Hazardous polymerization does not occur. May form hydroperoxides on exposure to air and sunlight. However, the hydroperoxides formed from 1-methyl-2-pyrrolidinone are probably readily degradable and do not accumulate to a hazardous level.
<b>Conditions to avoid</b>	: Heat, flames and sparks. Exposure to light. Contact with incompatible materials. Do not use in areas without adequate ventilation.
<b>Incompatible materials</b>	: Heat. Light. Oxidizing agents. Strong acids.
<b>Hazardous decomposition products</b>	: Carbon oxides; Nitrogen oxides; Hydrogen fluoride; Hydroperoxides

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure:

<b>Routes of entry inhalation</b>	: YES
<b>Routes of entry skin &amp; eye</b>	: YES
<b>Routes of entry Ingestion</b>	: YES
<b>Routes of exposure skin absorption</b>	: YES

#### Potential Health Effects:

##### Signs and symptoms of short-term (acute) exposure

###### *Sign and symptoms Inhalation*

- : May cause respiratory irritation. Symptoms may include coughing, mucous production and difficulty breathing.

###### *Sign and symptoms ingestion*

- : Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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**Sign and symptoms skin** : Causes skin irritation. Symptoms may include redness, edema, drying defatting and cracking of the skin.

May be absorbed through the skin, however there are no reports of harmful effects following occupational exposure.

**Sign and symptoms eyes** : Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

### Potential Chronic Health Effects

: None reported by the manufacturer.

### Mutagenicity

: Not expected to be mutagenic in humans.

### Carcinogenicity

: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

### Reproductive effects & Teratogenicity

: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Classification:

Reproductive toxicity - Category 1B. May damage fertility or the unborn child.

1-Methyl-2-pyrrolidone has been shown to cause a number of biologically relevant, consistent and sensitive effects that represent a continuum of reproductive and developmental effects, including decreased fetal and pup body weight, delayed ossification, skeletal malformations and increased fetal and pup mortality. The developmental effects reported are not considered secondary to maternal toxicity.

**Sensitization to material** : May cause an allergic skin reaction (e.g. swelling, rash and eczema). Not expected to be a respiratory sensitizer.

**Specific target organ effects** : This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Classification:

Specific target organ toxicity, single exposure - Category 3 (Respiratory irritation).  
May cause respiratory irritation.

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Medical conditions aggravated by overexposure

: Pre-existing skin, eye and respiratory disorders.

### Synergistic materials

: No information available.

### Toxicological data

: Not classified for acute toxicity based on available data.

Gatten®

LC<sub>50</sub> (Inhalation (vapor)) 4.82 mg/L

LD<sub>50</sub> Dermal >5000 mg/L

LD<sub>50</sub> Oral >5000 mg/L

See below for toxicological data on the individual substances.

<b>Chemical name</b>	<b>LC<sub>50</sub>(4hr) inh, rat</b>	<b>LD<sub>50</sub></b>	
		<b>(Oral, rat)</b>	<b>(Rabbit, dermal)</b>
n-Methylpyrrolidone	> 5.1 mg/L (mist) (No mortality)	3906 mg/kg	>5000 mg/kg (rat)
Ethoxylated polyarylphenol	N/Av	N/Av	N/Av
(2Z)-[[2-fluoro-5-(trifluoro-methyl)phenyl]thio][3-(2-methoxyphenyl)-1,3-thiazolidin-2-ylidene]acetonitrile	N/Av	N/Av	N/Av

### Other important toxicological hazards

: None reported by the manufacturer.

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## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity** : Harmful to aquatic life. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

Gatten®  
 Acute EC<sub>50</sub> - 4.9 mg/L Algae - Pseudokirchneriella Subcapitata  
 Acute EC<sub>50</sub> -1.1 mg/L Daphnia magna  
 Acute EC<sub>50</sub> - 1.7 mg/L Oncorhynchus Mykiss

See the following tables for the individual substances cotoxicity data.

**Ecotoxicity data:**

<u>Ingredients</u>	CAS #	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
n-Methylpyrrolidone	872-50-4	> 500 mg/L (Rainbow trout)	N/Av	None.

<u>Ingredients</u>	CAS #	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
n-Methylpyrrolidone	872-50-4	> 1000 mg/L/24hr (Daphnia magna)	12.5 mg/L	None.

<u>Ingredients</u>	CAS #	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
n-Methylpyrrolidone	872-50-4	600.5 mg/L/72hr (Green algae)	125 mg/L/72hr	None.

**Persistence and degradability**

: Flutianil is not readily biodegradable.

**Bioaccumulation potential**

: No data available.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
n-Methylpyrrolidone (CAS 872-50-4)	-0.46 at 25 °C	3.16

**Mobility in soil** : No data available.

**Other Adverse Environmental effects**

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Handling for Disposal**

: Handle in accordance with good industrial hygiene and safety practice. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Refer to protective measures listed in sections 7 and 8.

**Methods of Disposal**

: Dispose in accordance with all applicable federal, state, provincial and local regulations.








**RCRA**

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.



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## SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	NA1993	Combustible liquid, n.o.s. (N-methyl-2-pyrrolidone )	Combustible.	III	
<b>49CFR/DOT Additional information</b>	The 'label' appearing here is the placard to be used for bulk shipments. Not regulated for road or rail shipment if packaged in non-bulk containers (450 Litres or less each).				
TDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Flutianil)	9	III	 
<b>TDG Additional information</b>	This material may be shipped as an exempted marine pollutant in accordance with TDG Section 1.45.1 and Special Provision 99.				
ICAO/IATA	UN3082	Environmentally hazardous substance, liquid, n.o.s. (Flutianil)	9	III	 
<b>ICAO/IATA Additional information</b>	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.				
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Futianil)	9	III	 
<b>IMDG Additional information</b>	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass.				

**Special precautions for user** : Keep away from heat, sparks and open flame - No smoking. Appropriate advice on safety must accompany the package.

**Environmental hazards** : This mixture meets the criteria for an environmentally hazardous material according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: This information is not available.

## SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

Ingredients	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
n-Methylpyrrolidone	872-50-4	Yes	N/Ap	N/Ap	Yes	No
Ethoxylated polyarylphenol	99734-09-5	NL	N/Ap	N/Ap	No	N/Ap
(2Z)-[2-fluoro-5-(trifluoro-methyl)phenyl]thio[3-(2-methoxyphenyl)-1,3-thiazolidin-2-ylidene]acetone trile	958647-10-4	Yes	N/Ap	N/Ap	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable; Skin irritation; Skin sensitization; Eye irritation; Reproductive toxicity; Specific target organ toxicity, single exposure.

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**US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
n-Methylpyrrolidone	872-50-4	No	Developmental Toxicity	No	Yes	Yes	Yes	Yes	No
Ethoxylated polyarylphenol	99734-09-5	No	N/Ap	No	No	No	No	No	No
(2Z)-[[2-fluoro-5-(trifluoromethyl)phenyl]thio][3-(2-methoxyphenyl)-1,3-thiazolidin-2-ylidene]acetonitrile	958647-10-4	No	N/Ap	No	No	No	No	No	No

EPA Reg. No. 11581-6-71711

**Canadian Information:**

All ingredients are listed on the DSL, or are exempted materials.

**International Information:**

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
n-Methylpyrrolidone	872-50-4	212-828-1	Present	Present	(5)-113	KE-25324	Present	HSR001384
Ethoxylated polyarylphenol	99734-09-5	N/Av	Present	N/Av	(7)-170	KE-34927	Present	HSR003223
(2Z)-[[2-fluoro-5-(trifluoromethyl)phenyl]thio][3-(2-methoxyphenyl)-1,3-thiazolidin-2-ylidene]acetonitrile	958647-10-4	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av

**SECTION 16. OTHER INFORMATION****Legend**

: ACGIH: American Conference of Governmental Industrial Hygienists  
 AICS: Australian Inventory of Chemical Substances  
 CAS: Chemical Abstract Services  
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
 CFR: Code of Federal Regulations  
 CSA: Canadian Standards Association  
 DOT: Department of Transportation  
 EC50: Effective Concentration 50%  
 ENCS: Existing and New Chemical Substances  
 EPA: Environmental Protection Agency  
 IARC: International Agency for Research on Cancer  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organisation  
 IECSC: Inventory of Existing Chemical Substances  
 IMDG: International Maritime Dangerous Goods  
 IOC: Inventory of Chemicals  
 KECI: Korean Existing Chemicals Inventory  
 KECL: Korean Existing Chemicals List  
 LC: Lethal Concentration  
 LD: Lethal Dose  
 N/Ap: Not Applicable  
 N/Av: Not Available

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NIOSH: National Institute of Occupational Safety and Health  
 NOEC: No observable effect concentration  
 NTP: National Toxicology Program  
 OSHA: Occupational Safety and Health Administration  
 PEL: Permissible exposure limit  
 PICCS: Philippine Inventory of Chemicals and Chemical Substances  
 SARA: Superfund Amendments and Reauthorization Act  
 STEL: Short Term Exposure Limit  
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
 TLV: Threshold Limit Values  
 TSCA: Toxic Substance Control Act  
 TWA: Time Weighted Average  
 WHMIS: Workplace Hazardous Materials Identification System

- References** :
1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices
  2. ECHA - European Chemical Agency
  3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases
  4. Safety Data Sheets from manufacturer.
  5. US EPA Title III List of Lists
  6. California Proposition 65 List
  7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

**Preparation Date (mm/dd/yyyy)** : 04/20/2022

**Reviewed Date SDS (dd/mm/yyyy)** : 30/08/2022

**Revision No.** : 2

**Revision Information** : (M)SDS sections updated :All sections modified.

**Other special considerations for handling** : Provide adequate information, instruction and training for operators.

<p><b><u>Prepared for:</u></b>                  Plant Products Inc.                  3370, le Corbusier                  Laval, QC, Canada H7L 4S8                  Telephone: (800) 361-9184</p>	
<p><b><u>Prepared by:</u></b>                  ICC The Compliance Center Inc.                  Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada)  <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

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