



Revision Number: 001.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Festermicide
Product type: Special product
Restriction of Use: None identified
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2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

DANGER:

- H226 - FLAMMABLE LIQUID AND VAPOR.
- H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
- H315 - CAUSES SKIN IRRITATION.
- H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.
- H319 - CAUSES SERIOUS EYE IRRITATION.
- H334 - MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.
- H335 - MAY CAUSE RESPIRATORY IRRITATION.
- H336 - MAY CAUSE DROWSINESS OR DIZZINESS.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	3
SKIN IRRITATION	2
EYE IRRITATION	2A
RESPIRATORY SENSITIZATION	1
SKIN SENSITIZATION	1
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3
ASPIRATION HAZARD	1

PICTOGRAM(S)**Precautionary Statements**

Prevention:	P210 - Keep away from heat, sparks, open flames, hot surfaces - no smoking. P233 - Keep container tightly closed. P240 - No release into water. P241 - Use explosion-proof equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P261 - Avoid breathing vapors, mist, or spray. P264 - Wash affected area thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves, eye protection, and face protection.
Response:	P285 - In case of inadequate ventilation wear respiratory protection. P301+P310 - IF SWALLOWED: Immediately call a physician or poison control center. P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. P304+P340+P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P331 - Do NOT induce vomiting. P333+P313 - If skin irritation or rash occurs: Get medical attention. P337+P313 - If eye irritation persists: Get medical attention. P342+P311 - If experiencing respiratory symptoms: Call a poison center or physician. P362 - Take off contaminated clothing.
Storage:	P370+P378 - In case of fire: Use foam, dry chemical or carbon dioxide to extinguish. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool.
Disposal:	P405 - Store locked up. P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with NOM-018-STPS-2015 and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	UN no.:	Percentage*
Naphtha (petroleum), hydrotreated heavy (<0.1% benzene)	64742-48-9		60 - 70
Ethyl acetate	141-78-6	1173	20 - 30
Oils, pine	8002-09-3		1 - 5
Iodo-2-propynyl butylcarbamate, 3-	55406-53-6		0.1 - 1
Benzyl alcohol	100-51-6		0.1 - 1
Oxydipropanol	25265-71-8		0.1 - 1
Dimethyl sulfoxide	67-68-5		0.1 - 1
Solvent naphtha (petroleum), light arom., <0.1% Benzene	64742-95-6		0.1 - 1

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	Immediately remove victim to fresh air. Get immediate medical attention.
Skin contact:	Wipe off affected skin area immediately with a soft cloth and then wash with running water and mild soap; apply skin care product.

Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
Ingestion:	Do not induce vomiting. Seek medical advice.
Symptoms:	See Section 11.
Notes to physician:	Treatment based on judgement of the physician in response to reactions of the patient.

5. FIRE FIGHTING MEASURES

Extinguishing media:	carbon dioxide, foam, powder, water spray jet, fine water spray
Special firefighting procedures:	Wear protective equipment. Wear self-contained breathing apparatus.
Unusual fire or explosion hazards:	Do not expose to direct heat. Can form explosive gas/air mixtures.
Hazardous combustion products:	Carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not empty into drains / surface water / ground water.
Clean-up methods:	Remove with liquid-absorbing material (sand, peat, sawdust). Dispose of contaminated material as waste according to Section 13.

7. HANDLING AND STORAGE

Handling:	Avoid skin and eye contact. Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains. Open and handle container with care.
Storage:	Ensure adequate ventilation. Store in sealed original container. Store in a dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Naphtha (petroleum), hydrotreated heavy (<0.1% benzene)	None	100 ppm (400 mg/m ³) PEL	None	196 ppm TWA
Ethyl acetate	400 ppm TWA	400 ppm (1,400 mg/m ³) PEL	None	None
Oils, pine	None	None	None	None
Iodo-2-propynyl butylcarbamate, 3-	None	None	None	None
Benzyl alcohol	None	None	10 ppm (44.20 mg/m ³) TWA	None
Oxydipropanol	None	None	None	None
Dimethyl sulfoxide	None	None	250 ppm TWA	None
Solvent naphtha (petroleum), light arom., <0.1% Benzene	None	100 ppm (400 mg/m ³) PEL	None	50 ppm

Engineering controls:	Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.
Respiratory protection:	Suitable breathing mask when there is inadequate ventilation. Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Eyeface protection:	Wear protective glasses with side-pieces.
Skin protection:	Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Use of Butyl or Nitrile Rubber gloves is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	liquid
Color:	clear
Odor:	of mineral oil
Odor threshold:	Not available.
pH:	Not available.
Vapor pressure:	148.4 mbar
Boiling point/range:	Not available.
Melting point/ range:	Not available.
Vapor density:	Not available.
Flash point:	50 °C (122°F)
Flammable/Explosive limits - lower:	1.2 %
Flammable/Explosive limits - upper:	10.6 %
Autoignition temperature:	Not available.
Flammability:	Not applicable
Evaporation rate:	Not available.
Solubility in water:	Not miscible
Partition coefficient (n-octanol/water):	Not available.
VOC content:	Not available.
Viscosity:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Reactivity:	Not available.
Hazardous reactions:	None under normal processing.
Hazardous decomposition products:	None known.
Incompatible materials:	Strong oxidizing agents.
Conditions to avoid:	Keep away from sources of ignition and naked flames. Avoid heating.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure:	Skin, Inhalation, Eyes, Ingestion
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Potential Health Effects/Symptoms

Inhalation:	May cause nose, throat and lung irritation. May cause sensitization by inhalation.
Skin contact:	May cause allergic skin reaction. Causes skin irritation.
Eye contact:	Causes serious eye irritation.
Ingestion:	Aspiration may occur during swallowing or vomiting, resulting in lung damage. May be harmful if swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Naphtha (petroleum), hydrotreated heavy (<0.1% benzene)	None	Irritant
Ethyl acetate	Oral LD50 (Rat) = 5.6 g/kg Oral LD50 (Mouse) = 0.44 g/kg	Blood, Central nervous system, Irritant
Oils, pine	None	Allergen, Irritant, Respiratory
Iodo-2-propynyl butylcarbamate, 3-	Oral LD50 (Rat) = 1.1 g/kg Oral LD50 (Rat) = 1.5 g/kg Dermal LD50 (Rabbit) = > 2,000 mg/kg	Irritant, Allergen
Benzyl alcohol	Oral LD50 (Rabbit) = 1,940 mg/kg Oral LD50 (Rat) = 1,230 - 3,100 mg/kg Oral LD50 (Mouse) = 1,580 mg/kg Oral LD50 (Rat) = 3,100 mg/kg Dermal LD50 (Rabbit) = 2,000 mg/kg	Allergen, Central nervous system, Corrosive, Irritant
Oxydipropanol	None	Central nervous system, Irritant
Dimethyl sulfoxide	Oral LD50 (Rat) = 14,500 g/kg Oral LD50 (Mouse) = 7,920 mg/kg	Allergen, Blood, Central nervous system, Developmental, Eyes, Irritant
Solvent naphtha (petroleum), light arom., <0.1% Benzene	None	Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Naphtha (petroleum), hydrotreated heavy (<0.1% benzene)	No	No	No
Ethyl acetate	No	No	No
Oils, pine	No	No	No
Iodo-2-propynyl butylcarbamate, 3-	No	No	No
Benzyl alcohol	No	No	No
Oxydipropanol	No	No	No
Dimethyl sulfoxide	No	No	No
Solvent naphtha (petroleum), light arom., <0.1% Benzene	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information:	Do not empty into drains, soil or bodies of water. Can cause negatives effects on aquatics organisms.
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13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

Road transport ADR:

Proper shipping name:	COATING SOLUTION
Hazard class or division:	3
Identification number:	UN 1139
Packing group:	III

International Air Transportation (ICAO/IATA)

Proper shipping name:	Coating solution
Hazard class or division:	3
Identification number:	UN 1139
Packing group:	III

Water Transportation (IMO/IMDG)

Proper shipping name:	COATING SOLUTION
Hazard class or division:	3
Identification number:	UN 1139
Packing group:	III

15. REGULATORY INFORMATION

No additional information

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Prepared by: Product Safety and Regulatory Affairs
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DISCLAIMER: This information is considered correct, but it's not exhaustive and will be used only as a guide, which is based on current knowledge of the chemical substance(s) and/or mixture and apply to the appropriate product for safety precautions.

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