



Substance key: 000000476728

Revision Date: 11/28/2014

Version : 2 - 0 / CDN

Date of printing :12/03/2014

WHMIS controlled: yes
Class: B2
D1B
D2A
D2B

Section 01 - Product and company identification

Identification of the company: Clariant (Canada) Inc.
2 Lone Oak Court
Toronto, Ontario M9C 5R9,

Information of the substance/preparation: ESHA
Phone (514) 832 2559, Fax (704) 330 1505
Canada.PS@Clariant.com

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Trade name: CORRTREAT 65
Material number: 267653

Primary product use: Corrosion inhibitor

Section 02 - Hazards identification

Health effects of exposure:

Flammable. Toxic by ingestion and skin absorption. Harmful by inhalation. Contact with eyes will cause severe irritation and may cause burns and permanent damage. Contact with skin will cause severe irritation and may cause burns. Inhalation of vapours, spray or aerosols will cause irritation to the respiratory system and may cause lung damage. May affect fetal development.

Methanol: toxic by ingestion, inhalation and skin contact. Danger of very serious irreversible effects through ingestion, inhalation and skin contact including blindness. Highly flammable. Teratogen.

Ethylene glycol : human poison by ingestion. Very toxic by inhalation. A skin, eye and mucous membrane irritant. Human systemic effect by ingestion and inhalation (eye lacrimation, general anesthesia, head- ache, cough, respiratory stimulation, nausea or vomiting, pulmonary, kidney and liver changes). There is evidence of experimental terato- genic and mutagenic data. Repeated or high exposure may cause kidney and brain damage.

Isopropanol: an eye irritant. It can cause eye damage and corneal burns. Harmful by ingestion and subcutaneous routes. Human systematic effects by ingestion or inhalation: flushing, pulse rate decrease, blood pressure lowering, anesthesia, narcosis headache, dizziness, mental depression, hallucinations, distorted perceptions, dyspnea, respiratory depression, nausea or vomiting, coma.

Section 03 - Composition/information on ingredients

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Hazardous ingredients:

Component	CAS number	Concentration
Methyl alcohol	67-56-1	10 - 30 %
Ethylene glycol	107-21-1	7 - 13 %
Isopropanol	67-63-0	1 - 5 %

Component toxicity information:

Methyl alcohol (67-56-1)

Acute oral toxicity: LD0 428 mg/kg (Humans)

Ethylene glycol (107-21-1)

Acute oral toxicity: LD50 4,700 mg/kg (Rat)

Isopropanol (67-63-0)

Acute oral toxicity: LD50 5,280 mg/kg (Rat)

Acute inhalation toxicity: LC50 72.6 mg/l (4 h, Rat)

Acute dermal toxicity: LD50 12,800 mg/kg (Rabbit)

Section 04 - First aid measures

After inhalation:

- Move the victim to fresh air.
- Give oxygen or artificial respiration if needed.
- Get immediate medical advice/ attention.
- Never give anything by mouth to an unconscious person.

After contact with skin:

Remove contaminated clothing and wash affected areas with soap and plenty of water for at least 15 minutes. If redness or skin irritation occurs, seek medical attention.

After contact with eyes:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

After ingestion:

- If swallowed, DO NOT induce vomiting.
- Get immediate medical advice/ attention.

Advice to doctor / Treatment:

None known.

Section 05 - Fire fighting measures

Flashpoint: 23 - 60 °C

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special fire fighting procedure:

- Wear full protective clothing and self-contained breathing apparatus.
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Cool endangered containers with water spray jet.

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Hazardous combustion products:

In case of fire hazardous decomposition products may be produced such as:

Carbon oxides

Nitrogen oxides (NO_x)

Container explosion may occur under fire conditions.

Section 06 - Accidental release measures

Steps to be taken in case of spill or leak:

Only trained personnel should be involved in spill operations. Wear suitable protective equipment. Ensure adequate ventilation. Remove all ignition sources. Contain spill and pump into proper containers using explosion-proof equipment. Smaller spills may be recovered using an inert non-combustible absorbent material (sand, kieselguhr) and collected into suitable containers. Do not use organic absorbent material. Containers in which spilt substance has been collected must be properly labelled. Spill may be covered with an appropriate foam to hinder the formation of explosive vapours. Wash spill area. Do not allow to enter sewers, storm drains, surface waters or the soil.

Section 07 - Handling and storage

Advice on safe handling:

Keep away from heat, sparks and open flames. - Avoid breathing vapors or contact with skin, eyes, and clothing. - Use only with adequate ventilation and proper protective eyewear, face shield, gloves and clothing. Wash thoroughly after handling. Keep container closed.

Further info on storage conditions:

Keep containers tightly closed in a cool, well-ventilated place.

Handle and open container with care.

Keep away sources of ignition.

Section 08 - Exposure controls / personal protection

Occupational exposure limits:

Component	CAS number	Regulatory list	Type of value	Value 1	Value 2
Methanol	67-56-1	USA. ACGIH Threshold Limit Values (TLV)	8-hour, time-weighted average	200 ppm	
Methanol	67-56-1	USA. ACGIH Threshold Limit Values (TLV)	Short-term exposure limit	250 ppm	
2-Propanol Isopropanol	67-63-0	USA. ACGIH Threshold Limit Values (TLV)	8-hour, time-weighted average	200 ppm	
2-Propanol Isopropanol	67-63-0	USA. ACGIH Threshold Limit Values (TLV)	Short-term exposure limit	400 ppm	
Ethylene glycol (Aerosol)	107-21-1	USA. ACGIH Threshold Limit Values (TLV)	Ceiling limit		100 mg/m ³
Ethylene glycol	107-21-1	USA. ACGIH Threshold Limit Values (TLV)	Ceiling limit		100 mg/m ³

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Respiratory protection: Wear an approved respirator when exposed to vapours or to mists beyond the TLV. Use appropriate filters. Do not exceed filters limitations. TLV = Threshold Limit Value

Hand protection: Butyl Rubber, PVC or Neoprene

Eye protection: Tightly fitting safety goggles

Other protective equipment: Avoid skin contact.
Wear suitable protective clothing.

Section 09 - Physical and chemical properties

Form: Liquid

Color: Clear, light amber

pH: 5.6 - 7.6

Density: 1.02 - 1.06 g/cm³

Section 10 - Stability and reactivity

Chemical stability: Stable

Hazardous Polymerization: no

Incompatibility with (Conditions to avoid) : Keep away from heat.
Keep away from open flames, hot surfaces and sources of ignition.

Section 11 - Toxicological information

Acute oral toxicity: The product has not been tested. The information is derived from the properties of the individual components., Harmful by inhalation and if swallowed.

Skin irritation: irritating
The product has not been tested. The information is derived from the properties of the individual components.

Eye irritation: irritating
The product has not been tested. The information is derived from the properties of the individual components.

Section 12 - Ecological information

Product information:

Remarks:

The product should not be allowed to enter drains, water courses or the soil.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Component information:

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Methanol (67-56-1)

Biodegradation: 99 % (28 d)
Method: OECD Test Guideline 301D

Fish toxicity: LC50 19,000 mg/l (96 h, Oncorhynchus mykiss (rainbow trout))

Daphnia toxicity: LC50 > 10,000 mg/l (24 h)

Bacteria toxicity: IC50 > 1,000 mg/l (3 h, activated sludge)

Component information:

Propan-2-ol (67-63-0)

Biodegradation: 95 %
Readily biodegradable.

Fish toxicity: Test data for the substance are not available.

Remarks:
slightly water endangering

Section 13 - Disposal considerations

Waste disposal information:

Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

Section 14 - Transport information

TDG

Proper shipping name: Flammable liquid, n.o.s.
Class: 3
Packing group: III
UN/ID number: UN 1993
Primary risk: 3
Remarks: Shipment permitted
Hazard inducer(s): Methanol
Isopropanol

IATA

Proper shipping name: Flammable liquid, n.o.s.
Class: 3
Packing group: III
UN/ID number: UN 1993
Primary risk: 3
Remarks: Shipment permitted
Hazard inducer(s): Methanol
Isopropanol

IMDG

Proper shipping name: Flammable liquid, n.o.s.
Class: 3
Packing group: III
UN no.: UN 1993

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Primary risk: 3
Hazard inducer(s): Methanol
Isopropanol
E m S: F - E S - E

Section 15 - Regulatory information

Registration status

DSL: yes
NDSL: no

All components of the product are listed on the DSL/Canada.

CEPA

Listed as toxic substance: Not listed
Listed as priority substance: Not listed

NPRI Listed

Section 16 - Other information

WHMIS



Flammable
Toxic by ingestion
Harmful by inhalation and in contact with skin.

The information contained on this MSDS is to the best of our knowledge an accurate summary of the data available as of the date of preparation. Clariant (Canada) Inc. is not liable for the application or use of this information in situations beyond its control or outside the normal and expected use of its product. Clariant (Canada) Inc. assumes no responsibility for damage or injury from the use of the product described herein.