

## SECTION 1 - IDENTIFICATION

**Product identifier/Trade name:** KLEER DRI PLUS Rinse additive

**Other means of identification:** 0137079, 1575826

**Recommended use:** Rinse additive

**Restriction on use:** For industrial, institutional and food plant use only.

**Initial supplier identifier:** CHANDLER  
225 Thorne Avenue  
St John, NB, Canada E2L 4L9  
Phone: 1-800-363-9611

**Emergency phone number:** (613) 996-6666 (CANUTEC)

## SECTION 2 - HAZARDS IDENTIFICATION

### 2a WHMIS 2015 - GHS (Globally Harmonized System) classification

This product is not classified according to the GHS System

**Signal word:**

None as per GHS

**Hazard statement**

Causes serious eye irritation.

**Precautionary statement**

Wear rubber gloves, eye protection/face protection.

IF ON SKIN: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty water. If skin irritation occurs get medical advice.

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.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (weight)	GHS CLASSIFICATION
alkoxylate	68987-81-5	5-10	Acute Toxicity, Category 4 Eye damage/Irritation, Category 2A Skin irritation, category 2

The actual concentrations are withheld as a trade secret.

## SECTION 4 - FIRST AID MEASURES

### 4a Description of first aid measures

**Eye contact:**

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.

**Skin contact:**

Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty water. If skin irritation occurs get medical advice.

Inhalation: No effect expected.

**4b Most important symptoms and effects**

Eye: Causes serious eye irritation.

Skin: May cause skin irritation.

Inhalation: No effect expected.

Ingestion: AFTER ABSORPTION OF LARGE QUANTITIES of isopropyl alcohol: Central nervous system depression. Headache. Dilation of the blood vessels. Low arterial pressure. Nausea. Vomiting. Abdominal pain. Disturbed motor response. Disturbances of consciousness.

**4c Immediate medical attention and special treatment needed**

No data available.

<b>SECTION 5 - FIRE FIGHTING MEASURES</b>
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**5a Extinguishing media**

Suitable extinguishing media:

Water (if possible, avoid powerful sprays), dry chemicals, carbon dioxide.

Unsuitable extinguishing media:

None known.

**Specific hazards for product**

Hazardous combustion products:

Oxides of carbon, nitrogen, and other irritating gases.

**Special protective equipment and precautions for firefighters**

Special fire-fighting procedures/equipment:

During a fire, irritating smoke and fumes may be generated. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam.

<b>SECTION 6 - ACCIDENTAL RELEASE MEASURES</b>
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**6a Personal precautions, protective equipment, and emergency procedures**

Personal protection:

Avoid contact with eyes and skin. Use adequate aeration and ventilation. Floor will be slippery in case of a spill.

Use appropriate personal protection equipment (see section 8)

**6b Methods and materials for containment and cleaning:**

Stop the leak. For large spills, pump the product into drums or clean up spills using absorbent material. Resume cleaning by rinsing with water. Caution: floors will be slippery.

**6c Environmental precautions:**

Product is biodegradable. Do not let go to the sewers.

## SECTION 7 - HANDLING AND STORAGE

### 7a Precautions for Safe handling:

Avoid contact with eyes and skin. Wear rubber gloves and eye/face protection. Avoid heat/ hot surfaces/sparks/open flames and other ignition sources.

### 7b Condition for safe storage:

Keep in a tightly sealed container in a well-ventilated room. Do not store on surfaces that may come into contact food products. KEEP FROM FREEZING.

### 7c Special packaging materials: NA

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8a Control parameters

	Ontario Time-weighted Average Limit (TWA)	Ontario Short-Term Exposure Limit (STEL)	Notations
Isopropyl alcohol	200 ppm	400 ppm	

### 8b Engineering controls:

Provide adequate ventilation.

### 8c Individual protection measures

#### Respiratory Protection:

Not required under normal applications.

Respirator NIOSH/MSHA approved if large spill and lack of ventilation or if formation of mists.

#### Skin protection and other protective equipment:

Wear Rubber gloves. Waterproof boots in case of spills.

#### Eye / face protection:

Eye protection/ face protection

#### General hygiene considerations:

**KEEP OUT OF REACH OF CHILDREN.** Avoid contact with eyes and skin. Never eat, drink, or smoke in work areas. Good hygiene is recommended after use of this product.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### Appearance and odour:

Liquid blue

### Odour threshold:

Not available

### pH:

6.5-8.5

### Melting point and freezing point:

Approximately 0 °C

### Boiling point:

Approximately 100 °C

### Flash point:

≥90° (Closed cup)

### Evaporation rate (n-BuAc =1):

Not available

### Lower flammable limit (% by volume):

Not available

### Upper flammable limit (% by volume):

Not available.

### Explosion data - Sensitivity to mechanical impact:

Not sensitive

### Explosion data - Sensitivity to static discharge:

Not sensitive

### Vapour pressure (mm Hg)

Approximately 20 (water)

### Vapour density:

Approximately 0.6 (water)

### Specific gravity or density (water = 1 at 4 °C):

1.0 g/cm<sup>3</sup>@ 25 °C

### Solubility in water:

Soluble

### Partition coefficient – n-octanol/water:

Not available

### Auto-ignition temperature:

Not available

**Decomposition temperature**

Not available

**Viscosity:**

&lt;10 cps @ 25 °C

<b>SECTION 10 - STABILITY AND REACTIVITY</b>
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**10a Reactivity:**

Not applicable when used as directed. It is incompatible with some materials, see below.

**10b Chemical stability:**

Stable at room temperature, in normal handling and storage conditions. Avoid heat/ hot surfaces/sparks/open flames and other ignition sources.

**10c Possibility of hazardous reactions:**

May react with strong oxidizing agents.

**10d Conditions to avoid:**

Avoid contact with strong oxidizers.

**10e Incompatible materials**

Strong oxidizers.

**10f Hazardous decomposition products:**

With strong oxidizers: heat, water vapors.

<b>SECTION 11 - TOXICOLOGICAL INFORMATION</b>
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**Primary entry route(s):** Eye, Skin, and ingestion.**Eye:** . Causes serious eye irritation**Skin:** May cause skin irritation.**Ingestion:** AFTER ABSORPTION OF LARGE QUANTITIES of isopropyl alcohol: Central nervous system depression. Headache. Dilation of the blood vessels. Low arterial pressure. Nausea. Vomiting. Abdominal pain. Disturbed motor response. Disturbances of consciousness.**Carcinogenicity:**

No ingredient listed by IARC as a possible carcinogen.

**Teratogenicity, mutagenicity, other reproductive effects:**

No applicable information found.

**Skin sensitization:**

Ingredients not sensitizing

**Respiratory tract sensitization:**

Not available

**Synergistic materials:**

Not available

**Other important hazards:**

Not available

**Toxicological data:** The calculated LD<sub>50</sub> for this product is greater than 10,000 mg/Kg, oral, rat; our products are not tested on animals.

Ingredient	LD <sub>50</sub> (route, species)	LC <sub>50</sub> # hours (species)
alkoxylate	≥2000mg/kg (oral rat)	Not available

**For more details, refer to Section 3.**

<b>SECTION 12 - ECOLOGICAL INFORMATION</b>
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**12a Ecotoxicity :**

TOXICITY (Fish)	Results	Exposure time	Method
alkoxylate	Pimephales promeleas 11,3mg/L	96H	Not available

TOXICITY (Daphnia)	Results	Exposure time	Method
alkoxylate	EC50 :67,9mg/L	48H	Not available

TOXICITY (Algae)	Results	Exposure time	Method
alkoxylate	Aquatic plants: 67,9 mg/L	72H	Not available

<b>12b Persistence and degradability:</b>	Product is biodegradable.
<b>12c Bioaccumulation potential:</b>	Not available
<b>12d Mobility in soil:</b>	There is no test data on this product.
<b>12e Other adverse effect</b>	No applicable information found

### SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of material according to regional, provincial and federal regulations.

### SECTION 14 - TRANSPORTATION INFORMATION

#### Transportation of Dangerous Goods (TDG) in Canada:

Not regulated

UN number

Proper shipping name:

Class:

Identification number:

Packing group:

Special case:

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

### SECTION 15 - REGULATORY INFORMATION

#### In Canada

#### WHMIS information:

Product is regulated according to the Hazardous Products Regulations (HPR) in Canada. This product has been classified in accordance with the hazard criteria of the HPR and this SDS contains all the information required by the HPR.

**WHMIS Classification:** See section 2a.

**CEPA information:** Ingredients are listed on the DSL inventory.

## SECTION 16 - OTHER INFORMATION

**Date of latest revision** 2022-03-16

**References:**

1. Manufacturer'/suppliers' SDS.
2. Occupational Exposure Limits for Ontario Workplaces required under Regulation 833
3. International Agency for Research on Cancer Monographs
4. The European Chemicals Agency (ECHA) website.

**Abbreviations:**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
cps	Centipoises
DSL	Domestic Substance List
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal concentration
LD	Lethal Dosage
N/Av	Not available
N/Ap	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
WHMIS	Workplace Hazardous Materials Information System

End of the SDS