

Safety Data Sheet

MANUFACTURED FOR:



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Section 1. Chemical Product and Company Identification

Product Name CCL Pre-treat Liquid Ice Melt
Product Use Industrial chemical
Product Code 3888-6996
Date of Issue 11/28/2018
Supersedes --

Emergency Telephone Numbers CHEMTREC- 1-800-424-9300

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

Section 2. Hazards Identification

Emergency Overview

WARNING



Health Hazards

Acute Toxicity; Oral Category 4
Specific target Organ Toxicity (kidney) Category 2

Precautionary Statements:

P260 Do not breathe dust/fumes/gas/mist/vapors/spray.
P264 Wash hands thoroughly after handling
P270 Do not eat, drink, or smoke when using this product.
P301+P312+P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P314 Get medical advice/attention if you feel unwell.
P501 Dispose of contents/container to an approved waste disposal plant.

Hazard Statements:

H302 Harmful if swallowed.
H373 May cause damage to organs through prolonged or repeated exposure.

Routes of Entry Dermal, Oral, and Inhalation

Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>
Ethylene glycol	107-21-1	90 - 100
Diethylene glycol	111-46-6	0 - 5

Section 4. First Aid Measures

General Advice Move out of dangerous area. Show this Safety Data Sheet to the doctor in attendance. Do not leave victim unattended.
Eye Contact Flush with large amounts of cool running water for at least 15 minutes, keeping eyes wide open while rinsing. Remove contact lenses. Protect unharmed eye. If irritation persists, consult a specialist.
Skin Contact Wash skin with soap and water. Wash clothing before reuse. If irritation persists get medical attention.

Inhalation If unconscious, place in recovery position, and seek medical attention/advice. If breathing is difficult, seek medical attention.

Ingestion DO NOT induce vomiting without medical advice. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim, immediately, to hospital.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A)
(estimated rating)



Hazardous Combustion Products Carbon oxides; toxic fumes

Extinguishing Media Foam, dry chemical, Carbon Dioxide (CO₂)

Unsuitable Extinguishing Media High volume water jet

Specific Hazards during firefighting DO NOT allow run-off from fire fighting to enter drains or water courses.

Fire Fighting Procedures Standard procedures for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Wear self-contained breathing apparatus for firefighting, if necessary. Use personal protective equipment.

Section 6. Accidental Release Measures

Environmental Precautions Prevent product from entering drains. Prevent further leakage or spillage, if safe to do so. If the product contaminates rivers and lakes, or drains, inform respective authorities.

Spill Clean Up Soak up with inert absorbent material (sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Handling Do not breathe vapors/dust. For personal protection, see Section 8. Smoking, eating, and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

Storage Keep container tightly closed, in a dry and well ventilated place. Electrical installations/ working materials must comply with the technological safety standards.

Section 8. Exposure Controls/Personal Protection

Exposure Limits

Product Name	Value Type (Form of exposure)	Control Parameters/Permissible concentration	Basis
Ethylene glycol (CAS # 107-21-1)	C	50 ppm 125 mg/m ³	OSHA P0
	C	100 mg/m ³	ACGIH
	C (Aerosol only)	100 mg/m ³	ACGIH
Diethylene glycol (CAS# 111-46-6)	TWA	10 mg/m ³	US WEEL

Personal Protective Equipment (PPE)



Eyes Eye wash bottle with pure water. Tightly fitted safety goggles

Hands The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Body Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits.

Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Section 9. Physical and Chemical Properties

Physical State	Liquid	Explosive Limits:	Upper: 22 % (V)
Color	Clear, Colorless	Upper & Lower Vapor Pressure	Lower: 1.8 % (V)
Odor	Sweet, slight		< 1 hPa @ 20 – 25°C (68 – 77°F)
Odor Threshold	Not determined	Relative Vapor Density	< 2.14 @ 20 – 25°C (68 – 77°F)
pH	9		(Air = 1.0)
Freezing Point	-13 – 11.2°C (9 – 11.8°F)	Relative Density	1.115 @ 20°C (68°F)
Boiling Point	197.4°C (387.3°F)		Reference Substance: water = 1
Flash Point	111°C (232°F) Method: closed cup	Specific Gravity	Not determined
Evaporation Rate	0.01 (Butyl Acetate = 1)	Partition Coefficient: noctanol/water	log Pow: -1.36
Flammability	Not determined	Auto-Ignition Temp.	398°C
Density	1.11 g/cm ³ @ 20°C (68°F)	Decomposition Temp.	Not determined
		Viscosity:	Dynamic: 19.83 – 21 mPa.s @ 20 – 25°C (68 – 77°F)
		Dynamic & Kinetic	Kinetic: 145 mm ² /s @ 25°C (77°F)
		Solubility	Complete
		Solubility in other solvents	Not determined

Section 10. Stability and Reactivity

Stability and Reactivity	Stable under normal conditions.
Incompatibility	Strong oxidizing agents, strong bases, strong acids, aldehydes, aluminum, plastics, reducing agents, peroxides.
Hazardous Decomposition Products	Carbon oxides, aldehydes, ketones, organic acids.
Conditions to Avoid	Keep away from heat, flame, sparks, and other ignition sources.

Section 11. Toxicological Information

Product: acute oral toxicity	Acute toxicity estimate: 493.91 mg/kg
Component 107-21-1: acute oral toxicity	Assessment: The component/mixture is moderately toxic after single ingestion.
Component 111-46-6: acute oral toxicity	LD50 (Human): Calculated 1.120mg/kg
Carcinogenicity: IARC	Assessment: The component/mixture is moderately toxic after single ingestion. No component of this product present at levels greater than or equal to 0.1 % is identified as probable, possible, or confirmed human carcinogen by IARC.
Carcinogenicity: OSHA	No component of this product present at levels greater than or equal to 0.1 % is identified as a carcinogen or potential carcinogen by OSHA.
Carcinogenicity: NTP	No component of this product present at levels greater than or equal to 0.1 % is identified as a known or anticipated carcinogen by NTP.
STOT	Repeated exposure.
Component 107-21-1: Target Organs	Kidneys. Assessment: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Section 12. Ecological Information

Environmental Effects Ozone-Depletion Potential:
 Regulation: 40CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone – CAA
 Section 602 Class I Substances
 Remarks: This product neither contains nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40CFR 82, Subpt. A, App.A + B).

Section 13. Disposal Considerations

Waste Information Contaminated packaging: empty remaining contents. Dispose of as unused product. Do not reuse empty containers.

Section 14. Transportation Information

Regulatory Information	UN Number	Proper Shipping Name	Class/Division	Packaging Group	International Air Transport Association
DOT Classification	NA1993	Environmentally hazardous substances, liquid, n.o.s., (ETHYLENE GLYCOL)	9	PG III	Not regulated as a dangerous good

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

CERCLA Reportable Quantity	CAS#	Chemical Name	Component RQ (lbs)	Calculated product RQ (lbs)
	107-21-1	Ethylene glycol	5000	5000
	123-91-1	1,4-Dioxane	100	*

* Calculated RQ exceeds reasonably attainable upper limit.

WHMIS Classification None

SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a Section 304 EHS RQ.

SARA 311+312 Hazards: Acute toxicity (any route of exposure)
 Specific target organ toxicity (single or repeated exposure)

SARA 302 No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 The following components are subject to reporting levels established by SARA Title III, Section 313:
 107-21-1 Ethylene glycol

Clean Air Act The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):
 107-21-1 Ethylene glycol
 This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112® for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):
 107-21-1 Ethylene glycol
 111-46-6 Diethylene glycol

Clean Water Act

The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 116.4A: 75-07-0 Acetaldehyde

The following Hazardous Chemicals are listed under the U.S. Clean Water Act, Section 311, Table 117.3: 75-07-0 Acetaldehyde

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know

Ethylene glycol 107-21-1

1,4-Dioxane 123-91-1

Acetaldehyde 75-07-0

Pennsylvania Right To Know

Ethylene glycol 107-21-1

Diethylene glycol 111-46-6

1,4-Dioxane 123-91-1

Acetaldehyde 75-07-0

California Prop 65

WARNING: This product can expose you to chemicals including 1,4-Dioxane, Acetaldehyde, which is/are known to the State of California to cause cancer, and Ethylene Glycol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65W.ca.gov.

Section 16. Other Information

The information accumulated is based on the data of which we are aware and is believe to be correct as the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

Last Revision --

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.