

# SAFETY DATA SHEET

## 1. PRODUCT IDENTIFICATION & COMPANY INFORMATION

**PRODUCT:** De-Scaler Plus  
**ITEM:** 40912 - 40901  
**RECOMMENDED USE:** Porcelain & Tile Cleaner

DATE ISSUED :	12/16/2019
SDS REF. No :	409

**MANUFACTURER:**  
Chemcor Chemical Corp.  
13770 Benson Avenue  
Chino, CA 91710

**24 HR. EMERGENCY TELEPHONE NUMBER:**  
**INFOTRAC (US Transportation): (800) 535-5053**  
NON-EMERGENCY TELEPHONE NUMBER:  
(909) 590-7234

## 2. HAZARDS INGREDIENTS & IDENTIFICATION

**GHS CLASSIFICATION:**  
**Skin Corrosion** Category 1A  
**Serious eye damage** Category 1

### GHS LABEL ELEMENT

#### Hazard Pictograms



#### SIGNAL WORD: DANGER

**HAZARD STATEMENTS:** Causes severe skin burns and eye damage.

#### PREVENTION:

Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

#### RESPONSE:

**IF SWALLOWED:** Do Not induce vomiting. Rinse mouth. Immediately drink 1 to 2 glasses of water or milk. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**If in EYES:** In case of contact, immediately flush thoroughly with plenty of cool running water. Remove contact lenses if worn. Continue flushing for at least 15 minutes holding eyelids apart. If irritation persists, get medical attention promptly.

**IF on SKIN (or HAIR):** In case of contact, immediately flush thoroughly with plenty of cool running water for at least 15 minutes. Immediately remove contaminated clothing and shoes. Wash prior to reuse.

**IF INHALED:** If discomfort is experienced from exposure to spray mist, the person should employ respiratory protection or leave the contaminated area until proper ventilation is restored. Breathe fresh air. If irritation persists, get medical attention.

**STORAGE:** Store in a tightly closed container. Do not store near oxidizers, alkalies, acids and bleach. Do not mix with other chemicals. Store away from excessive heat.

**DISPOSAL METHOD:** Dispose of in accordance with all Local, State and Federal regulations.

**EMPTY CONTAINER:** Nonrefillable container. Do not reuse or refill container. Before discarding container, rinse thoroughly with water.

**OTHER HAZARDS:** None known.

## 3. PHYSICAL DATA/COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight%
water	7732-18-5	N/A
diethylene glycol monobutyl ether	112-34-5	N/A
phosphoric acid	7664-38-2	N/A

## 4. HEALTH HAZARD DATA & FIRST AID MEASURES

**EYES :** Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyes and lids with water. DO NOT attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used. Continue the flushing for an additional 15 minutes if the physician is not immediately available.

**SKIN :** Immediately remove contaminated clothing under safety shower. Flush all affected areas with large amounts of water for at least 15 minutes. DO NOT attempt to neutralize with chemical agents. Obtain medical advice immediately.

**INGESTION :** If swallowed, DO NOT INDUCE VOMITING. Immediately give large quantities of water or milk, if available. If vomiting does occur, give fluids again. Never give anything by mouth to an unconscious person. Call a physician or nearest Poison Control Center immediately.

**INHALATION :** Remove from contaminated atmosphere. If breathing has ceased, clear the victim's airway and start mouth-to-mouth artificial respiration, which may be supplemented by the use of a bag-mask respirator, or a manually-triggered, oxygen supply capable of delivering 1 liter/second or more. If the victim is breathing, oxygen may be administered from a demand-type or continuous-flow inhalator, preferably with a physician's advice. Contact a physician immediately.

**NOTES TO PHYSICIAN:** Treat symptomatically.

## 5. FIRE FIGHTING & EXPLOSION DATA/MEASURES

<b>SUITABLE EXTENUISHING MEDIA:</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, Carbon Dioxide, Dry Chemical, Foam.
<b>UNSUITABLE EXTENUISHING MEDIA:</b>	None Known
<b>SPECIFIC HAZARDS DURING FIRE FIGHTING:</b>	Not flammable or combustible.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	None Known
<b>FIRE FIGHTING EQUIPMENT :</b>	Use Self Contained Breathing Apparatus (SCBA) or NIOSH approved respirator and protective clothing.
<b>SPECIAL EXTINGUISHING:</b>	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of and/or explosion do not breathe fumes.
<b>OTHER CONSIDERATIONS :</b>	If material is released, area will become slippery.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PRODCDURES:** Wear protective equipment as needed. Refer to protective measures listed in sections 7 and 8.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** To contain spilled material, dike area involved. Remove source of ignition and provide ventilation. To absorb product, use porous material such as diatomaceous earth, sand or a commercial absorbent. Using a shovel, place into leak proof containers.

**WATER DISPOSAL METHOD:** Dispose of according to local, state and federal regulations. Wear protective equipment as needed.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow contact with soil, surface or ground water.

## 7. PRECAUTIONS FOR SAFE HANDLING/STORAGE/USE

**SAFE HANDLING:** Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling.

**GENERAL PROCEDURES :** Store in a tightly closed container. Do not store near oxidizers, alkalies, acids and bleach. Do not mix with other chemicals. Store away from excessive heat.

Do not freeze. Keep away from food stuffs. Keep out of reach of children.

**STORAGE TEMPERATURE:** 0 °C to 50 °C

## 8. EXPOSURE CONTROLS\PERSONAL PROTECTION (PPE)

Chemical Name	CAS Number	ACGIH TLV	OSHA PEL	NIOSH
diethylene glycol monobutyl ether	112-34-5	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
phosphoric acid	7664-38-2	TWA: 2ppm	TWA: 2 ppm TWA: 1 mg/m <sup>3</sup> (vacated) TWA: 2 ppm (vacated) TWA: 1 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 25 ppm TWA: 1 ppm TWA: 1 mg/m <sup>3</sup>

**OSHA TABLE COMMENTS:** NL = Not Listed

**ENGINEERING CONTROLS:** Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

### PERSONAL PROTECTIVE EQUIPMENT:

**EYES AND FACE:** Safety Splash Monogoggles / Face Shield.

**SKIN:** Solvent resistant gloves, boots and clothing.

**RESPIRATORY:** None needed for normal clean up. If mist or vapor may be generated, a Self Contained Breathing Apparatus (SCBA) or NIOSH approved respirator is advised.

**WORK HYGIENIC PRACTICES:** Avoid accidental spills on skin, wash after use. Wash contaminated clothing prior to reuse.

**OTHER USE PRECAUTIONS:** Have clean water available for washing. Provide adequate ventilation or use mechanical devices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPERANCE/PHYSICAL STATE:	Liquid
COLOR:	Blue
ODOR:	Slight
pH:	1.0
FLASH POINT:	None
ODOR THRESHOLD:	No Data Available
MELTING POINT/FREEZING POINT:	No Data Available
BOILING POINT:	>212°F
EVAPORATION RATE:	(Water=1):>1 (slower than water)
FLAMMABILITY (SOLID, GAS):	No Data Available
UPPER EXPLOSION LIMIT:	No Data Available
SPECIFIC GRAVITY:	(H <sub>2</sub> O=1): 1.02
LOWER EXPLOSION LIMIT:	No Data Available

VAPOR PRESSURE:	No Data Available
RELATIVE VAPOR DENSITY:	(Air=1):>1 (heavier than air)
RELATIVE DENSITY:	No Data Available
WATER SOLUBILITY:	100%
SOLUBILITY IN OTHER SOLVENTS:	No Data Available
PARTITION COEFFICIENT: N-OCTANOLI/WATER:	No Data Available
AUTOIGNITION TEMPERATURE:	No Data Available
THERMAL DECOMPOSITION:	No Data Available
VISCOSITY, KINEMATIC:	No Data Available
EXPLOSIVE PROPERTIES:	No Data Available
OXIDIZING PROPERTIES:	No Data Available
MOLECULAR WEIGHT:	No Data Available
VOC:	No Data Available

## 10. STABILITY AND REACTIVITY

<b>STABILITY :</b>	Stable
<b>HAZARDOUS POLYMERIZATION :</b>	Will NOT Occur
<b>CONDITIONS TO AVOID :</b>	Contact with Aluminum and soft metals. Keep from freezing.
<b>POLYMERIZATION :</b>	Will NOT Occur
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Phosphine, oxides of phosphorous, CO, CO <sub>2</sub> , Nitrogen
<b>INCOMPATIBLE MATERIALS :</b>	Acids, oxidizers and strong alkalies, bleach and ammonia. Soft metals such as Aluminum, Zinc, and tin.

## 11. TOXICOLOGICAL INFORMATION

**INFORMATION ON LIKELY ROUTES OF EXPOSURE:** Inhalation, Ingestion, Eye contact, Skin contact.

### SYMPTOMS OF EXPOSURE:

Eye Contact:	Causes eye irritation.
Skin Contact:	May cause irritation.
Ingestion:	Pain, nausea, vomiting and diarrhea
Inhalation:	May cause nasal discomfort and coughing.

### IMMEDIATE, DELAYED, CHRONIC EFFECTS:

Product Information: Data not available for insufficient for classification.

### TARGET ORGAN EFFECTS:

Eyes. Respiratory System. Skin. Blood. Central Nervous System. Hematopoietic System. Kidney. Liver.

### NUMERICAL MEASURES OF TOXICITY:

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

### COMPONENT ACUTE TOXICITY INFORMATION

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
water	7732-18-5	>90 mL/kg (Rat)	Not Available	Not Available
diethylene glycol monobutyl ether	112-34-5	=470 mg/kg (Rat)	=2270 mg/kg (Rat) =220 mg/kg (Rabbit)	=2.21 mg/L (Rat) 4 h =450 ppm (Rat) 4 h
phosphoric acid	7664-38-2	=1530 mg/kg (Rat)	=2740 mg/kg (Rabbit)	=850 mg/m (Rat) 1 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION:

#### ECOTOXICITY

Chemical Name (CAS)	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
diethylene glycol monobutyl ether (112-34-5)	Not Available	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	Not Available	1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50
phosphoric acid (7664-38-2)	72 h EC50 = 77.9 mg/L (growth rate, measured)	96 h LC50 = 75.1 mg/L (measured)	Not Available	Not Available
tetrasodium ethylenediaminetetraacetate (64-02-8)	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50static 59.8: 96 h Pimephales promelas mg/L LC50 static	Not Available	610: 24 h Daphnia magna mg/L EC50

**Persistence and Degradability:** No Informatin Available  
**Bioaccumulation:** No Informatin Available  
**Other Adverse Effects:** No Informatin Available

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Dispose of in accordance with all Local, State and Federal regulations.  
**EMPTY CONTAINER:** Nonrefillable container. Do not reuse or refill container. Before discarding container, rinse thoroughly with water.  
**RCRA/EPA WASTE INFORMATION:** N/A

**14. TRANSPORT INFORMATION**

**THE SHIPPER/CONSIGNOR/SENDER IS RESPONSIBLE TO ENSURE THAT THE PACKAGING, LABELING, AND MARKINGS ARE IN COMPLIANCE WITH THE SELECTED MODE OF TRANSPORT.**

**DOT (DEPARTMENT OF TRANSPORTATION)** **SEA TRANSPORT (IMDG/IMO):**  
**LAND TRANSPORT:** Not dangerous goods

**15. REGULATORY INFORMATION**

**EPCRA – EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW  
 CERCLA REPORTABLE QUANTITY**

Hazardous Components	CAS Number	Component RQ (Lbs.)	Calculated Component RQ (lbs.)
None	N/A	N/A	N/A

**UNITED STATES:**

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)  
 All Chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA (SUPERFUND AMENDMENRS AND REAUTHORIZATION ACT)  
 SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY:**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazard Categories:**

**Acute Health Hazard:** Yes  
**Chronic Health Hazard:** Yes  
**Fire Hazard:** No  
**Sudden Release of Pressure Hazard:** No  
**Reactive Hazard:** No

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313:** diethylene glycol monobutyl ether CAS No 112-34-5 applies to R-(OCH2CH2)n-OR', where n = 1, 2, or 3, R=Alkyl C7 or less, or R = Phenyl or Alkyl substituted phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester, Sulfate, Phosphate, Nitrate, or Sulfonate, Chemical Category N230

**CALIFORNIA PROP 65:**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**16. OTHER INFORMATION**

NFPA Health Hazards: 3 Flammability: 0 Instability: 0 Special: N/A  
 HMIS Health Hazards: 3 Flammability: 0 Physical Hazards: 0

**Revision Date:** 12/16/2019  
**Reasons For Revision:** No Information Available

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