

# MATERIAL SAFETY DATA SHEET

## FIBERGLASS KREME CLEANER

FILE NO.: 0019  
MSDS DATE: 05/16/06

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** FIBERGLASS KREME CLEANER  
**SYNONYMS:** Cream Cleaner for Fiberglass  
**PRODUCT CODES:** 1091

**MANUFACTURER:** Life Industries Corporation  
**DIVISION:** Manufacturing  
**ADDRESS:** 2081 Bridge View Drive  
Charleston, SC 29405

**EMERGENCY PHONE (USA):** 1-800-424-9300  
**EMERGENCY PHONE (Outside USA):** 1-703-527-3887  
**OTHER CALLS:** 1-800-262-8200  
**FAX PHONE:** (843)-566-1275

**PRODUCT USE:** Removes stains from fiberglass.  
**PREPARED BY:** Travis G. Gevedon, M.S.

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

#### INGREDIENT(S):

#### 1.) H<sub>3</sub>PO<sub>4</sub> (Phosphoric Acid, 66-80%)

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
7664-38-2	Less than 10.0%	NA	1 x 10 <sup>3</sup> lbs
	<u>DDP</u>	<u>mg/m<sup>3</sup></u>	
OSHA PEL-TWA:	NA	1.0	
OSHA PEL STEL:	NA	3.0	
OSHA PEL CEILING:	NA	3.0	
	<u>ACGIH TLV-TWA:</u>	<u>1.0</u>	
ACGIH TLV STEL:	NA	3.0	
ACGIH TLV CEILING:	NA	3.0	

#### 2.) Surfactants

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
9002-93-1	Less than 10.0%	NA	Not Listed

### SECTION 3: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**ROUTES OF ENTRY:** INGESTION, SKIN CONTACT, EYE CONTACT AND INHALATION (TO A LESSER DEGREE)

#### POTENTIAL HEALTH EFFECTS

**EYES:** Corrosive. May cause redness, pain, blurred vision, eye burns, and permanent eye damage.

**SKIN:** Corrosive. May cause redness, pain, and skin burns.

**INGESTION:** Corrosive. May cause sore throat, abdominal pain, nausea, and severe burns of the mouth, throat, and stomach.

**INHALATION:** Inhalation is not an expected hazard unless misted or heated to high temperatures. Mist or vapor inhalation can cause irritation to the nose, throat, and upper respiratory tract. Severe exposures can lead to a chemical pneumonitis.

**ACUTE HEALTH HAZARDS:** N/A

**CHRONIC HEALTH HAZARDS:** No information found.

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MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders or eye problems, or impaired respiratory function may be more susceptible to the effects of the substance.

Oral rat LD50: 1530 mg/kg, investigated as a mutagen.  
Cancer Lists \

Ingredient	---NTP Carcinogen---		IARC Category
	Known	Anticipated	
Phosphoric Acid (7664-38-2)	No	No	None
Water (7732-18-5)	No	No	None

### SECTION 3 NOTES:

### SECTION 4: FIRST AID MEASURES

**EYES:** Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.

**SKIN:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before reuse.

**INGESTION:** If swallowed, **DO NOT INDUCE VOMITTING.** Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Phosphoric acid is a strong organic acid-- Treat symptomatically and supportively.

### SECTION 4 NOTES:

### SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR, UPPER: N/A**  
**(% BY VOLUME) LOWER: N/A**

#### FLASH POINT:

F: N/A  
C: N/A

**METHOD USED: N/A**

#### AUTOIGNITION TEMPERATURE:

F: N/A  
C: N/A

**EXTINGUISHING MEDIA:** Use any means suitable for extinguishing surrounding fire. Water spray may be used to keep fire exposed containers cool. If water is used, use in abundance to control heat and acid build-up.

**SPECIAL FIRE FIGHTING PROCEDURES:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Not considered to be an explosion hazard.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Phosphine, oxides of phosphorus, hydrogen gas.

### SECTION 5 NOTES:

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer!

### SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture, incompatibilities, and direct sunlight. Corrosive to mild steel.

### SECTION 8: EXPOSURE CONTROL/SERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use adequate ventilation to keep airborne concentrations low.

**VENTILATION:** A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

**RESPIRATORY PROTECTION:** If the exposure limit is exceeded, a full facepiece respirator with high efficiency dust/mist filter may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. **WARNING:** Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

**EYE PROTECTION:** Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

**SKIN PROTECTION:** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

\*\* Physical data below refers to **concentrated phosphoric acid**.

**APPEARANCE:** Clear.

**ODOR:** Odorless.

**PHYSICAL STATE:** Colorless syrupy liquid

**PH AS SUPPLIED:** 1.5 (0.1 N aqueous solution)

**pH (Other):**

**BOILING POINT:**

F: 316

C: 158

**MELTING POINT:**

F: 70

C: 21

**FREEZING POINT:**

F: 70

C: 21

**VAPOR PRESSURE (mmHg):** 2 hPa @ 20 deg C

**VAPOR DENSITY (AIR = 1):** 3.4

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SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.685 @ STP

EVAPORATION RATE: N/A

BASIS (=1):

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (cont'd)

SOLUBILITY IN WATER: Complete

PERCENT VOLATILE: 100%

BY VOL @

F: 70

C: 21

SECTION 9 NOTES: The above information given is for phosphoric acid in its pure form (85%), so naturally the properties will vary with a mixture.

### SECTION 16: STABILITY AND REACTIVITY

STABILITY: Stable under ordinary conditions of use and storage. Substance can supercool without crystallizing.

CONDITIONS TO AVOID (STABILITY): Incompatibles.

INCOMPATIBILITY (MATERIAL TO AVOID): Liberates explosive hydrogen gas when reacting with chlorides and stainless steel. Can react violently with sodium tetrahydroborate. Exothermic reactions with aldehydes, amines, amides, alcohols and glycols, azo-compounds, carbonates, esters, caustics, phenols and cresols, ketones, organophosphates, epoxides, explosives, combustible materials, unsaturated halides, and organic peroxides. phosphoric acid forms flammable gases with sulfides, mercaptans, cyanides and aldehydes. It also forms toxic fumes with cyanides, sulfide, fluorides, organic peroxides, and halogenated organics. Mixtures with nitromethane are explosive.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Phosphorus oxides may form when heated to decomposition.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 10 NOTES:

### SECTION 11: TOXICOLOGICAL INFORMATION

#### TOXICOLOGICAL INFORMATION:

RTCS#:

CAS# 7664-38-2: TB6300000

LD50/LC50:

CAS# 7664-38-2: Oral, rat: LD50 = 1530 mg/kg; Skin, rabbit: LD50 = 2740 mg/kg.

Carcinogenicity:

Phosphoric acid -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology:

Carcinogenicity and long-term effects:

rathon (unspecifed) exposed to aerosols equivalent tot 14.6 mg H<sub>3</sub>PO<sub>4</sub>/hr resulted in progressive bronchitis and bronchiectasis development, altered liver function and histological changes in liver, spleen and kidney. REF.: NV Gg. Tr. Prof. Patol. Tsv Cher Metallurgi 1983, 65-69

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Toxicity:  
No data available.

Reproductive Effects:

No adverse reproductive effects were seen in rats fed 0.4000 ppm in diet since weaning and mated at 32 wk and 43 wk or offspring fed the same diet after weaning. (Borning, S.L. et al Voeding 1956)

Neurotoxicity:

No data available.

Mutagenicity:

EPA Genotox program 1988, Negative : cell transform - SA7/SHE  
activation negative (Al-ani, F.Y. Mutat. Res. 1988)  
metabolic activation negative (Biofax data sheets 1970, Ind. Bio-test lab. inc. 1810 Frontage Rd, Northbrook, IL)

Other Studies:

No data available.

### SECTION 11 NOTES:

### SECTION 12: ECOLOGICAL INFORMATION

#### ECOLOGICAL INFORMATION:

Ecotoxicity:

Water-danger/protection : WGK 1

Environmental Fate:

Not available.

Physical/Chemical:

Not available.

Other:

Not available.

### SECTION 12 NOTES:

### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.  
RCRA D-Series Maximum Concentration of Contaminants: None listed.  
RCRA D-Series Chronic Toxicity Reference Levels: None listed.  
RCRA F-Series: None listed.  
RCRA P-Series: None listed.  
RCRA U-Series: None listed.

### SECTION 14: TRANSPORT INFORMATION

#### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Phosphoric Acid (Mixture), N.O.S.

HAZARD CLASS: 8

ID NUMBER: UN 1805

PACKING GROUP: III

LABEL STATEMENT: ORM-D \*\*\*This product meets the requirements for the limited quantity exception as per 49 CFR

### SECTION 14 NOTES:

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**SECTION 15: REGULATORY INFORMATION**

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): NA

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): NA

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): NA

311/312 HAZARD CATEGORIES: NA

313 REPORTABLE INGREDIENTS: NA

STATE REGULATIONS: NA

INTERNATIONAL REGULATIONS: NA

European Safety/Risk Phrases:

R 25, R 36/37

S2, S 3/7, S 24/25, S 37/39

**SECTION 15 NOTES:**

**SECTION 16: OTHER INFORMATION  
OTHER INFORMATION:**

PREPARATION INFORMATION: Travis G. Gvedon, M.S.  
Chemist—Life Industries

Signature



**DISCLAIMER:** The information and recommendations contained herein are based upon data believed to be correct. Life Industries Corporation assumes no liability for misinterpretation of the data contained within this form as any type of warranty or guarantee of the product.