

PRODUCT: SCALE AWAY LIQUID

24 Hour Emergency Phone USA: Chemtrec 1-800-424-9300

Section 1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:

USE: Descaler Liquid

Issuing Date:

Section 2 HAZARD IDENTIFICATION

Route of Entry: Eyes, Skin, Inhalation

Target Organs: Eyes, Skin, Respiratory System

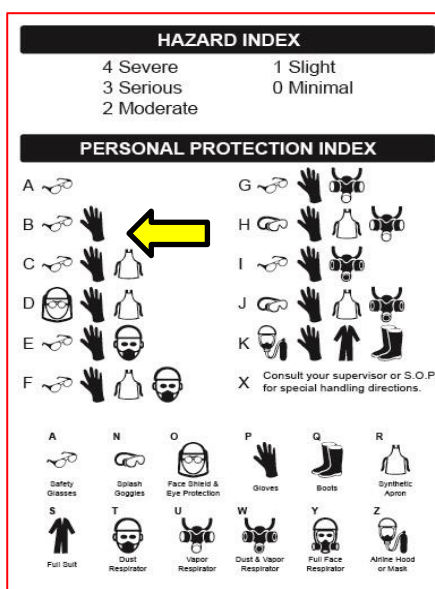
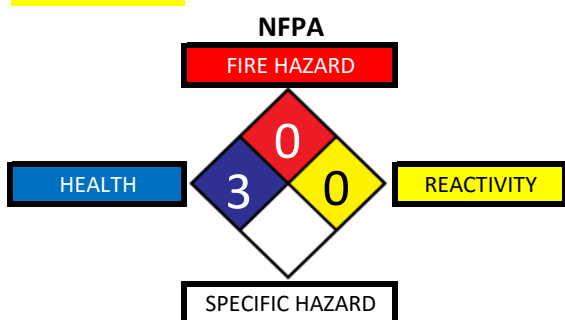
Inhalation: Can cause irritation and inflammation of the respiratory tract.

Skin Contact: Irritating to skin; many cause burns, blisters and itching.

Eye Contact: Irritating to eyes; eye damage or blindness may occur

Ingestion: Irritation to the intestinal tract; may cause burns, vomiting, stomach pain, and disorientation

Hazard Statement: Causes severe skin burns and eye damage. Harmful if swallowed.



HMIS III Hazardous Material Information System (USA)		
HEALTH		3
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		
B	SEE ARROW TO LEFT	
Also see Section 8		

Hazard Class: Skin Corrosion Category 1A

Serious Eye Damage Category 1

Signal Word: Danger

GHS Hazard Pictograms:



Precautionary Statements:

Prevention: Keep only in original container. Wash after handling. Avoid release to the environment. Do not breath dust/spray/fumes. Wash exposed areas thoroughly after handling. Wear protective gloves/eye protection **AND** additional protection as conditions dictate. Contact our office, if necessary.

Response: **IF IN EYES:** Rinse cautiously with clear water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice/attention. **IF ON SKIN (or hair) :** Take off immediately all contaminated clothing. Rinse skin with water/shower. **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. **IF INGESTED:** Rinse mouth. Do not induce vomiting. **IN ALL INSTANCES: Immediately call a POISON CENTER or physician.**

Storage: Keep sealed tightly in original container. Avoid release to the environment. Store locked up.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	Concentration Range %	CAS#
Phosphoric Acid	10 to 30	7664-38-2
Modified Polyethoxylated Alcohol	2 to 8	68603-25-8

% and ingredients are being withheld as trade secret information. Information will be disclosed as necessary to authorized individuals.

Section 4 FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with clear water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately
- Skin Contact:** Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse OR REPLACE.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.
- Ingestion:** Get medical attention immediately. Rinse mouth. Do not induce vomiting.

Section 5 FIRE FIGHTING MEASURES

- Extinguishing Media:** Use water, spray or foam
- Specific Hazards arising from the chemical(s):** Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazard Decomposition Products:** Decomposition products may include the following materials: Carbon dioxide, carbon oxides, phosphorus oxides, sulfur/nitrogen oxide/oxides.
- Special Fire Fighting Methods:** Appropriate for surrounding materials. Fire fighters should wear appropriate protective equipment. No action should be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth to mouth resuscitation. Immediately remove contaminated clothing. Wash clothing before reuse. Maybe neutralized with Sodium Bicarbonate.

Section 6 ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Use personal protective equipment recommended in Section 8.
- Environmental Precautions:** Keep spills away from storm drains, surface water and soil
- Spill and Leaks:** Small Spills - Rinse to drain. Large Spills - Contain for reclamation or disposal. Neutralize with Sodium Bicarbonate
- Caution:** Spills of this material may cause floor to become slippery. Dusts and powder can land on skin and adsorb moisture causing burns. **Use Personal Protective Equipment (PPE). SEE SECTION 2**

Section 7 HANDLING AND STORAGE

- Handling:** Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Wash thoroughly after handling. Do not let untrained persons handle or use this product.
- Storage:** Keep out of reach of children. Keep container(s) tightly closed. Store between 50 and 90 degrees F. Keep in a locked or secure place. Never pour into unmarked containers.

Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Exposure Limits	CAS #	OSHA PEL	ACGIH TLV
Phosphoric acid	7664-38-2	1mg/m ³	3mg/m ³

Personal Protection Equipment (PPE) SEE SECTION 2

- Eyes:** Wear chemical goggles and face shield
- Skin:** Neoprene gloves. Rubber apron if greater exposure is likely
- Respiratory:** Use in good general ventilated area. Respirator is not normally required.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Explosion Limits:	Not available
Odor:	Slight	Flammability:	Not available
Color:	Green	Melting Point:	Not available
pH at 100%:	<1	Initial Boiling Point:	Not available
Freezing Point:	32 deg F.	Evaporation Rate:	Not available
Flash Point:	Not available	Vapor Pressure:	Not available
Flammability:	Not available	Bulk Density:	1.20 - 1.275
Vapor Density:	Not available	Decomposition Temperature:	Not available
Solubility in Water:	Not available	Partition Coefficient:	Not available
Auto Ignition Temperature:	Not available		

Section 10 STABILITY AND REACTIVITY

Stability:	The product is stable.
Conditions to Avoid:	Under normal conditions of storage and use, hazardous reactions will not occur.
Materials to Avoid:	Reactive or incompatible with the following materials: Alkalines. Reactive or incompatible with the following materials: metals. Reactive or incompatible with the following materials: organic materials.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 TOXICOLOGICAL INFORMATION

Route of Exposure: Skin contact, eye contact, Ingestion

SYMPTOMS

Eye contact:	Adverse symptoms may include pain, watering, redness
Skin contact:	Adverse symptoms may include, pain or irritation, redness, or blistering may occur.
Inhalation:	Adverse symptoms may include coughing, respiratory tract irritation
Ingestion:	Adverse symptoms may include stomach and throat pain.

ACUTE TOXICITY

Eye contact:	Causes serious/ permanent eye damage
Skin contact:	Causes serious burns.
Inhalation:	May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
Ingestion:	May cause burns to mouth, throat and stomach.

TOXICITY DATA

None available on this mixture. For information on ingredients write to the address in Section 1 of this SDS.

Section 12 ECOLOGICAL INFORMATION

Ecological Toxicity:	No data is available on this mixture.
Biodegradability:	The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as per Regulation (EC) No. 648/2004 on detergents.
Phosphates:	Contained in product.

Section 13 DISPOSAL CONSIDERATION

Disposal methods:	Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable Federal, State, and Local regulations.
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Section 14 TRANSPORTATION INFORMATION

ADR/RID/IMD/ICAO/US DOT Hazardous Material Class: UN 1805 Phosphoric Acid Solution, Class 8, PG III

Section 15 REGULATORY INFORMATION

EPA SARA Title III Section 312 (40CFR 370) Hazard Classification of Ingredients:

Acute Health Hazard

no

California Proposition 65:

No listed substances.

Section 16 OTHER INFORMATION

HAZARD INDEX

4 Severe	1 Slight
3 Serious	0 Minimal
2 Moderate	

PERSONAL PROTECTION INDEX

<p>A </p> <p>B ←</p> <p>C </p> <p>D </p> <p>E </p> <p>F </p>	<p>G </p> <p>H </p> <p>I </p> <p>J </p> <p>K </p> <p>X Consult your supervisor or S.O.P. for special handling directions.</p>
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A Safety Glasses	N Splash Goggles	O Face Shield & Eye Protection	P Gloves	Q Boots	R Synthetic Apron
S Full Suit	T Dust Respirator	U Vapor Respirator	W Dust & Vapor Respirator	Y Full Face Respirator	Z Airline Hood or Mask

HMIS III

Hazardous Material
Information System (USA)

HEALTH		3
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		
B	SEE ARROW TO LEFT	
Also see Section 8		

See Sections 2 and 8

NFPA

FIRE HAZARD		0		REACTIVITY
HEALTH	3	0	0	
		SPECIFIC HAZARD		

Prepared by: Regulatory Affairs

Notice to Reader:

All information appearing herein is based on data obtained from the raw material manufacturer and/or recognized technical sources. While the information contained in this SDS is believed, to the best of our knowledge, to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the manufacturer's control. Users of this product are responsible to verify this data under their own use conditions, applications, methods and regulations to determine if this product is suitable for their particular use(s) and purpose(s). The users assume all risks of product use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination or conjunction with other materials, products, chemical compounds, structures processes or uses. As data, standards and regulations change, AND conditions of handling and use are beyond our control, no warranty, expressed or implied, is made as to the completeness or continuing accuracy of this information. Manufacturer assumes no responsibility for injury from the use of this product described herein.