

SAFETY DATA SHEET

Revision 1
Prepared 2018-10-10

Section 1. Identification

Product Code: 1-R-4448
Product Name: Cleaners and Pretreatment Products
Description: Ultra-Bond
Product Type: Liquid

MANUFACTURED BY:
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Section 2. Hazards Identification

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the Substance: Corrosive to Metals, Category 1
Skin Corrosion/Irritation, Category 1B
Serious Eye Damage/Eye Irritation, Category 1



GHS Label Elements
Hazard Pictograms:

Signal Word: Danger

Hazard Statements: H290 May be corrosive to metals
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves, eye protection, and face protection. Keep only in original container. Do not breathe fumes/gas/mist/vapors/spray. Wash hands thoroughly after handling. Wear protective gloves/eye protection/face protection/clothing at all times.

Response: If swallowed, rinse mouth and do NOT induce vomiting. If on skin, remove all contaminated clothing and rinse affected area thoroughly with water. If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately contact a poison control center or physician. Always wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

Storage & Disposal: Store in a locked and secure environment. Store in a cool, well ventilated area away from direct sunlight and heat. Dispose of contents and container in accordance with all local, regional, state, and federal regulations.

**Supplemental Label
Elements:**

PROPOSITION 65 WARNING: this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
FOR INDUSTRIAL USE ONLY.

**Hazards not otherwise
classified:**

None known.

Section 3. Composition/Information on Ingredients

Chemical Name / CAS No

Citric Acid

77-92-9

5 to 10%

Vapor Pressure: 1

Ethylene Glycol Monobutyl Ether

111-76-2

1 to 5%

Vapor Pressure: .11 kPa

Disodium Phosphate

7558-79-4

1 to 5%

Section 4. First Aid Measures

Description of First Aid Measures

- Eye Contact:** Immediately flush eyes with copious amounts of water. Remove any contact lenses. Rinse for at least 10 minutes. Get medical attention. Chemical burns must be treated promptly by a physician.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Observe for possible delayed reaction.
- Skin Contact:** Wash affected areas with soap and water. Remove contaminated clothing and shoes. Continue to rinse the affected area for at least ten minutes. Get medical attention if discomfort continues. Avoid further exposure in the event of any symptoms or complaints.
- Ingestion:** If swallowed, do NOT induce vomiting. Drink large amounts of water, or milk if available, to dilute the acid. Seek immediate medical attention. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Potential Acute Health Effects

- Eye Contact:** Can cause burns or blindness.
- Inhalation:** Can cause irritation or corrosive burns to upper respiratory system, including nose, mouth, and throat. Lung irritation and pulmonary edema may occur.
- Skin Contact:** Causes skin irritation. May cause burns and irritation.
- Ingestion:** Harmful or fatal if swallowed. Ingestion causes irritation and can cause corrosive burns to mouth, throat, and stomach.

Over-Exposure Signs & Symptoms

- Eye Contact:** See Potential Health Effects.
- Inhalation:** See Potential Health Effects.
- Skin Contact:** See Potential Health Effects.
- Ingestion:** See Potential Health Effects.

Section 5. Fire Fighting Measures

Extinguishing Media

Suitable Media: Product is non-flammable.

Unsuitable Media: N/A

Specific Hazards:

N/A

Special Firefighting Procedures:

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure buildup. Stay away from heads of containers that have been exposed to fire or intense heat.

Section 6. Accidental Release Measures

Environmental Precautions:

Avoid dispersal of spilled material and runoff from contacting soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Steps to be Taken if Material is Released or Spilled:

Neutralize acid spill with alkali such as soda ash, sodium bicarbonate, limestone or lime. Absorb material with inert absorbent such as sand, vermiculite, diatomaceous earth or similar. Place material in chemical waste container for disposal at appropriate facility. Ensure adequate ventilation for soda ash, due to carbon dioxide byproducts.

Small Spills:

See Steps to be Taken if Material is Released or Spilled.

Large Spills:

Follow steps above. Contain spill with dikes and transfer material to appropriate containers for reclamation or disposal. Clean up remaining material as you would for a small spill.

Section 7. Handling and Storage

Handling:

Avoid contact with skin and eyes. Avoid inhalation of vapor and ingestion of liquid. Read all cautions and directions on product label before use. Empty containers may contain residue. Follow all warning labels even after container is empty. Dispose of container in accordance with applicable local, state, and federal regulations. Do not reuse the container. Maintain a source of clean water nearby for emergency flushing of eyes or skin. Do not mix with any other chemical.

Storage:

Store in a dry, cool, well ventilated place. Keep container tightly closed while not in use. Protect from freezing.

Section 8. Exposure Controls/Personal Protection

<u>Chemical Name / CAS No</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
Citric Acid 77-92-9 5 to 10% Vapor Pressure: 1	5 mg/m ³		
Ethylene Glycol Monobutyl Ether 111-76-2 1 to 5% Vapor Pressure: .11 kPa	50 ppm	20 ppm	
Disodium Phosphate 7558-79-4 1 to 5%			

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Use only with adequate ventilation to prevent buildup of vapor. Do not use in areas where vapors can concentrate. If using indoors, open all windows and maintain cross ventilation of moving air. If strong odor is noticed, or you experience dizziness, headache, nausea, or eye-watering, stop work as ventilation may be inadequate.

Respiratory Protection:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respiratory airborne concentrations are expected to exceed exposure limits. Protection provided by air

purifying respirators is limited. Use a positive pressure, air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any circumstances where air purifying respirators may not provide adequate protection.

Skin Protection:

Various application methods can dictate the use of additional protective safety equipment, such as impermeable aprons. Wear gloves with as much chemical resistance as possible. Glove materials such as nitrile, rubber, and neoprene will provide protection. Gloves contaminated with product should be discarded.

Eye Protection:

Safety eyewear, such as splash goggles or a full face shield, should be worn at all times to protect against splashes of liquids.

Hygienic Measures:

Wash thoroughly with soap and water before eating, drinking, or smoking. Remove contaminated clothing immediately and launder before reuse.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Odor:	Light solvent odor
Vapor Density	Heavier than air
Vapor Density	4.10
Vapor Pressure	1 kPa
Evaporation Rate	Slower than ether
Boiling Point	171 C
Specific Gravity (SG)	1.038
Material VOC (Lb / Gal)	0.29
Material VOC (g / L)	35.09
Coating VOC (Lb/Gal)	2.83
Coating VOC (g/L)	339.64
Flash Point:	Not available
Autoignition:	Not available
LEL:	No data
UEL:	No data
Partition Coefficient, n-octanol/water:	Not available
Auto-ignition temperature:	Not available

Section 10. Stability and Reactivity

Conditions to Avoid:

No data available.

Incompatibility:

Incompatible with bases, aluminum, brass, and bronze.

Hazardous Decomposition:

Thermal decomposition may produce phosphorous oxides and/or phosphine. Hydrogen gas may be formed from reaction with metals.

Hazardous Polymerization:

Will not occur under normal conditions.

Stability:

The product is stable.

Section 11. Toxicological Information

Effects of Over-Exposure

Eye Contact:

Causes serious eye irritation, burns, and may cause blindness.

Skin Contact:

May cause burns and irritation.

Inhalation:

Harmful if inhaled. May cause burns to upper respiratory system.

Ingestion:

Harmful or fatal if swallowed.

Primary Routes of Entry:

Eye contact, ingestion, inhalation, absorption through the skin, skin contact.

Acute Toxicity Values:

Acute effects of this product have not been tested. Available data on individual components, if any, will be listed below.

Section 12. Ecological Information

Ecological Information:

Product is a mixture of listed components.

Section 13. Disposal Information

Disposal Considerations:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and any by-products should at all times comply with relevant environmental protection regulations and waste disposal regulations, in addition to any local or regional restrictions which may be in effect. Surplus and non-recyclable products should be disposed of via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled whenever possible. Avoid contact of spilled material with soil, waterways, drains, and sewer systems.

Section 14. Transport Information

	<u>Domestic (US DOT)</u>	<u>International (IMDG)</u>	<u>Air (IATA)</u>	<u>Canada (TDG)</u>
UN Number:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
UN Shipping Name:	Cleaning Liquid	-	-	-
Hazard Class:	-	-	-	-
Packing Group:	-	-	-	-
Limited Quantity:	-	-	-	-

Special Considerations:

The presence of a shipping description for a particular mode of transport does not indicate that the product is packaged suitably for that mode of transport. All packaging should be reviewed for suitability prior to shipment, so that compliance with applicable regulations can be ensured. Compliance with all applicable regulations is the sole responsibility of the person offering the product for transport. Persons loading and unloading dangerous goods should be trained in all the risks associated with the substances at hand, and on all actions to be taken in case of an emergency situation.

Section 15. Regulatory Information

U.S. Federal Regulations**CERCLA - SARA Hazard Category:**

This product has been reviewed according to the EPA hazard categories promulgated by Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986, known as SARA Title III, and is considered to meet the following categories under applicable conditions:

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SARA Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 as well as 40 CFR Section 372:

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

- None

State Regulations



WARNING: This product can expose you to chemicals including ethylene glycol ether, which is known to the State of California to cause birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

International Regulations

Canadian WHMIS:

This SDS has been prepared in accordance with Controlled Product Regulations except for the use of the 16 headings.

Section 16. Other Information

HMIS Rating

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	J

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