

ULTRA WASH

SECTION 1. IDENTIFICATION

Product Identifier	ULTRA WASH
Other Means of Identification	Acid Mixture
Product Family	Industrial cleaner
Recommended Use	Wash for Silica-based Drilling Fluid.
Supplier Identifier	Bri-Chem Supply Ltd., Bay 4, 5510 - 3rd Street SE, Calgary, Alberta, T2H 1J9, Bri-Chem Supply, 403-252-5904, www.brichemsupply.com
Emergency Phone No.	ChemTrec, (800) 424-9300, 24/7

SECTION 2. HAZARD IDENTIFICATION

Classification

Acute toxicity (Oral) - Category 3; Acute toxicity (Inhalation) - Category 3; Skin irritation - Category 2; Serious eye damage - Category 1

Label Elements



Signal Word:

DANGER!

Hazard Statement(s):

Toxic if swallowed.

Toxic if inhaled.

Causes skin irritation.

Causes serious eye damage.

Precautionary Statement(s):

Prevention:

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands and skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves.

Response:

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTRE or doctor.

If skin irritation occurs: Get medical advice or attention.

Take off contaminated clothing and wash it before reuse.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal:

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Phosphoric acid solutions	7664-38-2	1-5		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

If difficulties occur after vapour and/or aerosol has been inhaled, remove patient to fresh air and seek medical attention.

Skin Contact

Wash affected area with soap/water for at least 15 minutes. Skin contact with molten substance/product may cause thermal burns. Seek medical attention for removal of adhering material.

Eye Contact

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 15 minutes, while holding the eyelid(s) open. If eye irritation persists, seek medical attention.

Ingestion

Rinse mouth immediately and then drink plenty of water. Get medical attention.

First-aid Comments

Seek medical attention if symptoms develop or persist.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use extinguishing agent suitable for surrounding fire.

Specific Hazards Arising from the Product

No known unusual fire and explosion hazards.

Hazardous combustion products: Oxides of sulfur, carbon and nitrogen.

Special Protective Equipment and Precautions for Fire-fighters

Cool surrounding equipment, fire-exposed containers and structures with water.

Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

Do not allow material to enter storm sewers or storm water inlets.

Methods and Materials for Containment and Cleaning Up

Use appropriate safety equipment. Small spills, soak up with absorbent material, load into acid-resistant containers and dispose of at an approved waste facility. Large spill, dike off area and recover for reclamation or disposal. It is suggested that recovered material be reclaimed for re-use. Wash area with alkali solution to neutralize residues.

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SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Handle with care. Wash thoroughly after handling. Practice reasonable caution and personal cleanliness. Launder exposed clothing before re-use. Avoid contact with skin and eyes. Wear suitable protection for eyes and skin when handling.

Handle in accordance with good industrial hygiene and safety practice. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

Conditions for Safe Storage

Store in a cool, dry, well-ventilated area away from incompatible materials. Keep container tightly closed when not in use.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

(Phosphoric acid solution)

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. 1 mg/m³

OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. TWA = Time-Weighted Average. 1 mg/m³.

Appropriate Engineering Controls

Local exhaust ventilation is recommended.

Individual Protection Measures

Eye/Face Protection

Wear tightly fitting safety goggles (chemical goggles). Ensure an eyewash station is in work area.

Skin Protection

Wear chemical-resistant gloves, clothing and rubber boots. Safety shower is recommended in the workplace area.

Respiratory Protection

In case of insufficient ventilation and/or misty conditions, wear a NIOSH-approved organic filter respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Pale yellow liquid.
Odour	Pungent
pH	2 (1% solution)
Melting Point/Freezing Point	Not available (melting); -5 °C (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not available
Evaporation Rate	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	~ 1.0
Solubility	Not available in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Other Information	
Physical State	Liquid
Bulk Density	Not available

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SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Temperatures above 260°C (500°F) and incompatible substances.

Incompatible Materials

Strong oxidizing agents and strong alkalis, metal oxides, carbides, chlorates, picrates, nitrates, hydroxides, amines and carbonates.

Hazardous Decomposition Products

Toxic gases and vapours, oxides of sulfur, carbon and nitrogen.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Skin contact; eye contact; inhalation; ingestion.

Acute Toxicity

(Phosphoric acid solution)

LD50 Oral Rat: 1530 mg/kg

LD50 Dermal Rabbit: 2740 mg/kg

Skin Corrosion/Irritation

May cause irritation, redness and itching of the skin.

Serious Eye Damage/Irritation

May cause irritation and severe burns to the eyes.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Inhalation may cause dizziness and vomiting.

Ingestion

Severe burning and pain in the mouth, throat, abdomen following ingestion. May cause gastro-intestinal tract irritation, vomiting and diarrhea.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Effects of chronic exposure not available.

No information was located for: Respiratory and/or Skin Sensitization, Carcinogenicity, Development of Offspring, Sexual Function and Fertility, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

No ecotoxicity or environmental fate data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

This product lends itself to recovering for reclamation if spilled. Dispose of in accordance with federal, provincial and local government regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1760	Corrosive Liquid N.O.S. (Phosphoric Acid)	8	P.G. III

Special Precautions Please note: Product is regulated under TDG. Use appropriate placards.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS 1988 Classification



Class D2B

D2B - Toxic (Skin irritant; Eye irritant)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

SECTION 16. OTHER INFORMATION

SDS Prepared By Bri-Chem Supply Ltd

Phone No. (403) 252-5904

Date of Preparation March 22, 2016

Date of Last Revision September 01, 2020

Additional Information This Health and Safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage, and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.

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