

1. PRODUCT AND SUPPLIER INFORMATION

Product Name: A-400 Alum Bright
Application: REMOVE OXIDATION
Supplier: PowerWash.com
2300 Cold Springs Rd.
Fort Worth, TX. 76106
Emergency **ChemTel 1-800-255-3924**
Contract Number **MIS0006628**

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 3
Serious Eye Damage, Category 3

Environmental:

Acute Hazards to the Aquatic Environment, Category 2

Physical:

GHS LABEL



Exclamation
Mark



CORROSIVE



HEALTH HAZARD



TOXIC

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H315: Causes skin irritation.
H318: Causes serious eye damage.
H402: Harmful to aquatic life.

PRECAUTIONARY STATEMENTS

Response:

P305+ P351+ P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to. Continue rinsing.

P310: Immediately call a poison center or doctor/physician.

P332+ P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

Storage:

P102: Keep out of reach of children.

P234: Keep only in original container.

Disposal:

P501: Dispose of contents/container to an approved waste disposal plant.

POTENTIAL HEALTH EFFECTS

EYES: Contact causes severe eye irritation.

SKIN: Causes skin irritation.

INGESTION: May cause irritation of the mucous membranes.

INHALATION: Inhalation may cause irritation to mucous membranes.

MEDICAL CONDITIONS AGGRAVATED: None known.

3. COMPOSITION INFORMATION

NAME:	CAS#	CONTENT
Hydrofluoric Acid	76664-39-3	5%
Phosphoric Acid	76664-38-2	5%

- Skin** Hazardous by the following route of exposure: skin contact (corrosive). Skin contact may produce burns. Contact results in immediate skin absorption, which may cause hypocalcemia (calcium loss). This effect may be delayed for several hours after exposure. Severe over-exposure by absorption can result in death. **Get immediate medical attention.**
- Eyes** Hazardous by the following route of exposure: eye contact (corrosive). Eye contact can cause corneal damage or blindness.
- Inhalation** Hazardous by route of exposure. Inhalation, vapor and mists can cause mucous membrane, nose and throat irritation. Can cause inflammation and pulmonary edema. Can be fatal if inhaled
- Ingestion** May be fatal if swallowed. Causes burns to mouth, throat, and stomach. Can cause kidney damage.

The substance may be toxic to kidneys. Repeated or prolonged exposure can produce target organs damage. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection. Repeated or prolonged exposure

4. FIRST AID INFORMATION

Inhalation: Move exposed person to fresh air at once. Administer oxygen if breathing is difficult. If breathing has stopped, administer CPR. Call a PHYSICIAN immediately!

Ingestion: Do not induce vomiting. Keep head low to avoid aspiration. Seek medical attention immediately!

Eye Contact: Flush eyes and under lids for 15 minutes. Remove contact lenses.

Skin Contact: Flush with soap and plenty of water. Remove contaminated clothing and shoes. Get immediate medical attention while applying 2.5% calcium gluconate gel or while soaking skin with 0.13% zephiran chloride solution. Wash clothing before reuse.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Foam, sand, or inert dry media.

SPECIAL FIRE-FIGHTING PROCEDURES: Water spray may be used to cool fire fighters. Use NIOSH approved positive-pressure, self-contained apparatus.

ADDITION FIRE SAFETY PROCEDURES: Keep container tightly closed

6. ACCIDENTAL RELEASE MEASURES

Wear necessary protective gear. Do not walk through spilled material. Use inert dry absorption media such as vermiculate, clay litter, sand or earth to absorb spill. Place in appropriate containers for disposal. Do not flush material into ponds or waterways.

7. HANDLING AND STORAGE

STORAGE CLASS: Toxic Liquid storage. Keep in cool well-ventilated area. Keep out of reach of children
STORAGE PRECAUTIONS: Toxic/Poison material. Store in tightly closed containers. Store in original container. Avoid damage to containers.

8. EXPOSURE AND PERSONAL PROTECTION

USAGE GUIDELINES: Use standard safety hygiene. Avoid spilling or overflowing container when filling. Use adequate ventilation. Avoid breathing vapors. Ground all containers when filling.

PERSONAL PROTECTION: Wear chemical resistant gloves when using or transferring material. Safety glasses should be used. Remove contaminated clothes or shoes. Use and store with adequate ventilation.

9. PHYSICAL DATA AND CHEMICAL PROPERTIES

PHYSICAL STATE : Liquid
PH : < 1
FLASH POINT : Not flammable
FLAMMABLE LIMITS : Not applicable
SPECIFIC GRAVITY : 1.06 (Water=1)
BOILING RANGE : 104.44°C (220°F)
VAPOR DENSITY : Not determined
VAPOR PRESSURE : Not applicable
WATER SOLUBILITY : 100%
APPEARANCE : Colorless, Strong unpleasant odor
VOLATILE : Not applicable
%VOC : 2.5%

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY : Product stable
INCOMPATIBLE MATERIALS: Reactive with oxidizing agents, alkalis.
HAZARD DECOMPOSITION : May emit toxic fumes under fire conditions, Hydrogen fluoride (HF) and sulfur oxides. (SO₂, SO₃, etc.)
HAZARDOUS POLYMERIZATION : Will not occur

11. TOXICOLOGICAL INFORMATION

TOXICITY TO ANIMALS

12. ECOLOGICAL INFORMATION

ECOTOXICITY : Not available
Acute Fish Toxicity: NDA
BIODEGRADABLE/OECD: Not available

13. DISPOSAL PROCEDURES

SPILLS OR LEAKS:

Small: Mop up and transfer to hood or vented area

Large: Wear protective clothing. Dike spill to contain. Pump material to waste disposal container.

WASTE DISPOSAL:

Small: Allow to evaporate until all vapors are gone. Store wet cleaning cloths in approved container for recycling.

Large: Recycle or incinerate observing all local, state, and Federal health, safety, and pollution laws.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Corrosive liquids, poison, n.o.s. (Hydrofluoric acid, Phosphoric Acid)

DOT Classification Class,8, Corrosive liquid. Class 6.1: PGII. Poisonous material. UN number 2922

:

LABEL CODE : Toxic Liquid

15. REGULATORY INFORMATION

HCS CLASSIFICATION: Corrosive Liquid

SARA SECTION 311/312: Fire hazard, acute health hazard, Delayed (chronic) health hazard

SARA SECTION 313: Emissions Reporting

Product	% by wt.	CAS#	SARA TITLE III (REG-SECTION)
Hydrofluoric Acid	<5	7664-39-3	313
Phosphoric Acid	<5	7664-38-2	313

16. OTHER INFORMATION

RATING SYSTEM	HEALTH	FLAMMABILITY	REACTIVITY
HMIS	3	0	1
NFPA	3	0	1

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HMIS RATING

HEALTH	3
FIRE	0
REACTIVITY	1
PERSONAL PROTECTION	

NFPA CODES

