

Section 1 – Identification

Product Identifier

Aluminum & Stainless Steel Cleaner

Other Means of Identification

781B

Recommended Use of the Chemical and Restrictions on Use

See product label

Responsible Party

Dynaflux, Inc.
241 Brown Farm Rd., Cartersville, GA 30120
1.800.334.4420

Emergency Phone Number

Call Chem-Tel at 1.800.255.3924 for chemical emergencies

Section 2 – Hazard Classification

Classification of the Chemical

Skin Corrosion, category 1B

Signal Word

Danger

Pictograms



Hazards Not Otherwise Classified

None known

Note

Labeling elements found on this SDS may be different from labeling elements found on the label. Safety Data Sheets are regulated by OSHA (29 CFR §1910.1200) while the actual product and its label may be regulated by a different government agency. Please contact the responsible party in Section 1 if you have any questions.

0% of this mixture consists of ingredient(s) of unknown acute toxicity.

Hazard Statement(s)

Causes severe skin burns and eye damage.

Precautionary Statement(s)

Do not breathe dusts or mists.
Wash hands and exposed skin thoroughly after handling.
Wear protective gloves and eye protection.
Store locked up.
Specific treatment (see FIRST AID section on label).
Dispose of container in accordance with regional regulations.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison control center.

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

Section 3 – Composition on Ingredients

Ingredient	CAS	%wt	Hazards
Phosphoric Acid	7664-38-2	1-10%	Skin Corr, 1B
Ammonium Bifluoride	1341-49-7	1-10%	Skin Corr, 1B; Acute Tox 3, oral

Trade Secret Claim

When applicable, the specific concentration of each hazardous ingredient is considered a TRADE SECRET. Chemical names and identifiers will be listed in exact composition weight and name when not subject to trade secret exemptions.

Note

This product may contain other ingredients that are not required to be disclosed on this safety data sheet or product label in accordance with 19 CFR §1910.1200. Any ingredient not listed on either the SDS or label is not considered hazardous to health and shouldn't pose a risk to the user.

Section 4 – First Aid Measures

General First Aid Measures

If medical attention is required then provide product label or safety data sheet to a medical professional.

Most Important Symptoms

Skin and eye exposure may cause damage.

Indication of Immediate Medical Attention

Seek immediate medical attention if exposed to skin, eyes, or inhaled and feel unwell.

If Inhaled

Move person to fresh air and keep comfortable for breathing. Administer artificial respiration if person is not breathing.

If on Skin

Wash with soap and water. Take off contaminated clothing and launder with detergent before reuse.

If Swallowed

Do NOT induce vomiting unless instructed to do so by a trained medical professional. Rinse mouth with water.

If in Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Rinse for at least 10 minutes to ensure proper flushing of material from eye.

Section 5 – Fire-Fighting Measures

Suitable Extinguishing Media

Water, foam, sodium bicarbonate, or dry chemical.

Unsuitable Extinguishing Media

None known.

Special Protective Equipment for Fire-Fighters

Use a self-contained breathing apparatus.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous Combustion Products

Not determined.

Precautions for Fire-Fighters

Not determined.

Section 6 – Accidental Release Measure

Personal Precautions

Ensure that the environment is physically safe to be in. Wear personal protective equipment before remedying an accidental release of mixture.

Protective Equipment

Wear gloves suitable for chemical resistance. Wear protective eye glasses/goggles. In the event of inadequate air ventilation use artificial breathing apparatuses.

Emergency Procedures

Evacuate all non-essential personnel from the area. Shut off all sources of ignition. Ensure that all drains are covered to prevent environmental exposure. Follow methods found in next sub-section: Methods for Containment and Clean Up

Methods for Containment and Clean Up

Small spill: Soak up with absorbent material, i.e. kitty litter, clay or dirt. Sweep up and place in a labeled closed container.

Large spill: Keep unauthorized people from the area. Use self-contained breathing apparatus. Hike area and pump contents to a labeled, closed container. Absorb residue and sweep up. Place in a closed, labeled container. Remove all ignition sources. Prevent product from entering sewers, rivers, or other bodies of water.

References

See Section 7 on safe handling. Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Section 7 – Handling and Storage

Precautions for Safe Handling

Keep in original container before and after use. Read product label thoroughly and follow directions as provided in each label's Directions section. Wear protective equipment suggested in Section 8 even if product label does not recommend use of protective equipment.

Conditions for Safe Storage

Store in all original containers/packaging as product label contains important information regarding proper use of chemical. Keep away from heat. Store appropriate to NFPA ratings found in Section 15 of this SDS.

Storage Incompatibilities

Alkalies, concentrated acids, concentrated alkaline solutions

Section 8 – Personal Protection

Exposure Limits

Ingredient	CAS	PEL	AGCIH	NIOSH
Phosphoric Acid	7664-38-2	1 mg/m ³	1 mg/m ³	1 mg/m ³

General Note

Practice good industrial hygiene by washing hands thoroughly before and after use. Keep working areas clean. Ensure proper use of personal protective equipment as recommended in this section.

Appropriate Engineering Controls

Ensure adequate mechanical ventilation capable of preventing vapor build up.

Eye Protection

Eye glasses or goggles are recommended when using this product. Eye protection should fit user as to minimize risk of exposure as much as possible. Eye protection should protect against splash back and aerosolized mists which may affect eyes.

Skin Protection

Wear long sleeves and pants to minimize exposure to skin. Wear protective gloves when using this product. Gloves should be chemically resistant to the material. Launder contaminated clothing before reuse. Wear an apron if usage of chemical is anticipated to expose user to a large quantity of material.

Respiratory Protection

Mechanical ventilation is often sufficient for ensuring respiratory systems are better protected against exposure to material; however, should it be determined that material exposure limits are being concentrated as vapors then local ventilation should be utilized. If vapors exceed TLV use an approved respirator.

Section 9 – Chemical Properties

Appearance	Yellow liquid
Odor	Not determined
Odor Threshold	Not determined
pH	1
Melting Point	Not determined
Boiling Point	215 °F
Flash Point	Not determined
Evaporation Rate	1 (Water=1)

Flammability	Nonflammable
Upper Explosive %	Not determined
Lower Explosive %	Not determined
Vapor Density	Not available
Relative Density	1.079
Solubility	Miscible
Partition Coefficient	Not determined
Auto-Ignition Temp	Not determined

Section 10 – Stability and Reactivity

Reactivity

Material is not anticipated to be reactive.

Chemical Stability

Material is anticipated to be stable in normal storage conditions when not exposed to any incompatible materials.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide.

Section 11 – Toxicological Information

Acute Toxicity Estimates

Oral – >13,000 mg/kg bw

Dermal – Contains no ingredient(s) considered toxic

Inhalation - Contains no ingredient(s) considered toxic.

Aspiration Hazard

Contains no ingredient(s) which poses a risk in this category.

Carcinogenicity

Contains no ingredient(s) which poses a risk in this category.

Eye Damage/Irritation

Contains ingredient(s) which poses a risk in this category.

Germ Cell Mutagenicity

Contains no ingredient(s) which poses a risk in this category.

Reproductive Toxicity

Contains no ingredient(s) which poses a risk in this category.

Respiratory Sensitization

Contains no ingredient(s) which poses a risk in this category.

Skin Corrosion/Irritation

Contains ingredient(s) which poses a risk in this category.

Skin Sensitization

Contains no ingredient(s) which poses a risk in this category.

Specific Target Organ Toxicity – Repeated Exposure

Contains no ingredient(s) which poses a risk in this category.

Specific Target Organ Toxicity – Single Exposure

Contains no ingredient(s) which poses a risk in this category.

Delayed and Immediate Effects From Short- and Long-Term Exposure

Not determined.

Symptoms related to the Chemical Characteristics

Not determined.

National Toxicology Program Listing

No applicable ingredient(s).

International Agency for Research on Cancer Listing

No applicable ingredient(s).

Section 12 – Ecological Information

Ecotoxicity Estimated Values

Algae Contains no ingredient(s) considered toxic .

Fish Contains no ingredient(s) considered toxic.

Crustacea Contains no ingredient(s) considered toxic.

Persistence and Degradability

Not biodegradable.

Mobility in Soil

Not determined.

Other Adverse Effects

Not determined.

Bioaccumulative Potential

Not determined.

Section 13 – Disposal Consideration

Disposal of Empty Containers

Empty container can be recycled.

Disposal of Material

Dispose of full or partially full containers by offering material to a licensed waste management company and follow all local regulations on proper disposal of material.

Section 14 – Transportation Information

Hazard Placards



UN Number	1760
UN Shipping Name	Compounds, cleaning liquid
UN Technical Name	Phosphoric acid & Ammonium bifluoride mixture
Hazard Class	8
Packaging group	III
Limited Quantity	<5L
Marine Pollutant	No
Transport in Bulk	Not determined.
Special Precautions	Keep in original container. Do not store excessive weight on top.

Section 15 – Regulatory Information

SARA 311	No applicable ingredient(s).
SARA 312/313	No applicable ingredient(s).

TSCA Inventory List

All ingredients in this mixture are on the TSCA inventory list as active or exempt.

California

Prop65	No applicable ingredient(s).
ARB Designation	Metal cleaner
VOC Limit	3

HMIS®III (higher numbers indicate higher risk)

Health	3
Flammability	0
Physical Hazard	1

NFPA (higher numbers indicate higher risk)

Health	3
Flammability	0
Instability	0

Section 16 – Other Information

Revision History

February 2024 SDS Review and re-authoring

General Disclaimer

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publications of use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

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