



MATERIAL SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product identifier: Expert Rust Remover

Product Number: 1043

Manufacturer's name and address: Refer to supplier

Supplier name and address:

ALBATROSS USA INC./EXPERT WORLDWIDE

36-41 36th Street
Long Island City, New York
United States
11106
718-392-6272

5439 San Fernando Road West
Los Angeles, California
United States
90039
818-543-5850

Emergency Telephone #: Chemtrec (Day or Night) 800-424-9300
(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

IMPORTANT: Read this MSDS before handling and disposing of this product. Pass this information on to employees, customer, and users of this product.

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

EXPOSURE GUIDELINES

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>LD50 of Ingredient</u> (specify species and route)	<u>LC50 of Ingredient</u> (Specify species)
Phosphoric Acid	7664-38-2	10 – 16	1530mg/kg Rat	850 mg/kg Rat
Ammonium Bifluoride	1341-49-7	12 – 18	245 mg/kg Rat	

SECTION 3 — HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Hazardous in case of skin, eye, mist or ingestion. Seek medical attention immediately.

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTES OF ENTRY: Inhalation, Skin, Eye, Ingestion

INHALATION: Concentrations of Fluoride vapours of 2 mg/m³ or more may cause damage to lungs, respiratory system and pulmonary edema.

SKIN: May cause severe burns.

EYES: May cause permanent damage.

INGESTION: May cause throat burns and swelling, which can restrict breathing.

CARCINOGEN LISTED BY – IARC (NO) NTP (NO) OSHA (NO) ACGIH (NO) OTHER (NO)

PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE – Not Determined

SECTION 4 — FIRST AID MEASURES

SKIN: Remove contaminated clothing, flush affected area with large amounts of water for at least 15 minutes. Seek medical assistance.

EYES: Immediately flush with large amounts of water for at least 15 minutes. Seek medical assistance.

INHALATION: Remove victim from contaminated area to fresh air. Give oxygen if needed. Seek medical assistance.

INGESTION: Do NOT induce vomiting unless directed by a physician. Seek medical assistance.

SECTION 5 — FIRE FIGHTING MEASURES

FLAMMABLE: No **MEANS OF EXTINCTION:** N/A **FLASHPOINT:** N/A

FLAMMABLE LIMITS IN AIR: Lower explosive limit (LEL): N/A
Upper explosive limit (UEL): N/A

AUTOIGNITION TEMPERATURE: N/A **EXPLOSION DATA:** N/A

HAZARDOUS COMBUSTION PRODUCTS: Reacts with metals to liberate flammable hydrogen gas. Above 20 ppm of Fluoride vapors, wear OSHA approved gas mask.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

LEAK AND SPILL PROCEDURES:

SMALL SPILL: Dilute with small amount of water, neutralize with sodium carbonate and place in appropriate waste container if needed.

LARGE SPILL: Corrosive liquid, stop leak if without risk. Absorb with dry earth, or other non-combustible material and place in appropriate waste container. Neutralize with dilute sodium carbonate solution. Dike area to prevent run off, if needed. Call for assistance on disposal if needed.

SECTION 7 — HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT: Do not get on skin, in eyes or on clothing. Do not breathe vapors. Wash hands thoroughly if exposed to liquid. Use in well ventilated area. If ingested, seek medical

attention immediately.

STORAGE REQUIREMENTS: Store in cool, dry, well ventilated area. Keep container tightly closed. Should be stored in plastic drum as liquid will corrode steel drums.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS: ACGIH TLV: 1 STEL: 3(mg/m³)
OSHA PEL: 1 STEL: 3(mg/m³)

SPECIFIC ENGINEERING CONTROLS: Provide exhaust ventilation or other engineering controls to keep airborne concentrations below threshold limits. Ensure eyewash and safety station are close to work stations.

PERSONAL PROTECTIVE EQUIPMENT: Gloves, Respirator, Eye, Footwear

GLOVES: PVC or Neoprene Gloves., **RESPIRATOR:** OSHA permissible gas/vapour, **EYES:** Splash Goggles. **BOOTS:** Rubber.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
BOILING POINT:	N/A
SPECIFIC GRAVITY:	1.050
VAPOR PRESSURE:	Undetermined
VAPOR DENSITY:	Undetermined
ODOR & APPEARANCE :	Clear, Pungent
ODOR THRESHOLD (PPM) :	N/A
EVAPORATION:	N/A
PH:	< 2
FREEZING POINT:	N/A
SOLUBILITY IN WATER:	100%

SECTION 10 — STABILITY AND REACTIVITY

CHEMICAL STABILITY: Yes

INCOMPATIBILITY WITH OTHER SUBSTANCES: Yes. Contact with metals and strong alkalis.

REACTIVITY, AND UNDER WHAT CONDITIONS? Under extreme heat, will react with metals to liberate flammable hydrogen gas.

HAZARDOUS DECOMPOSITION PRODUCTS: Contact with metals can release potentially dangerous hydrogen gas. At decomposition, can emit highly corrosive fluoride fumes.

SECTION 11 — TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE EXPOSURE:

SKIN – Corrosive, can cause severe skin irritation and skin burns.

EYES – Corrosive, liquid or vapour causes severe eye irritation and eye burns leading to permanent corneal damage.

INGESTION: Harmful if swallowed. Causes irritation and burns of the gastrointestinal tract.

EFFECTS OF CHRONIC EXPOSURE: May cause damage to blood, liver, skin, eyes and bone marrow.

IRRITANCY OF PRODUCT: Corrosive, causes redness and burns.

SKIN SENSITIZATION: Can occur.

CARINOGENICITY: IARC: No available. ACGIH: Not available.

RESIRATORY SENSITIZATION: Can occur.

REPRODUCTIVE TOXICITY: Unknown.

EMBRYOTOXICITY: Unkown.

SECTION 12 — ECOLOGICAL INFORMATION

This blend has not undergone any ecological testing. There may be ecological information on the individual components.

SECTION 13 — DISPOSAL CONSIDERATIONS

Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.

Dispose in accordance with applicable national, regional and local laws and regulations.

SECTION 14 — TRANSPORT INFORMATION

SHIPPING INFORMATION

UN NO. 1760

Packing Group III

Hazard Class: Corrosive 8

Proper Shipping Name: Corrosive Liquid, N.O.S., (Contains Phosphoric Acid Ammonium Bifluoride)

SECTION 15 — REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

WHMIS: Class E, Corrosive

Classification EU: Corrosive, R34, based on PH < 2

GHS LABEL: - CORROSIVES



The chemicals in this product are listed on the US TSCA Chemical Substances Inventory, the Canadian Domestic Substances List and European EINECS.

SECTION 16 — OTHER INFORMATION

NFPA CLASSIFICATION

HEALTH – 3 FIRE – 0 REACTIVITY – 0

HMIS CLASSIFICATION

HEALTH – 3 FLAMMABILITY -0 PHYSICAL HAZARD – 0
PERSONAL PROTECTION: H

HAZARD RATING – 0 = LEAST, 1=SLIGHT, 2=MODERATE, 3=HIGH, 4=EXTREME

H – SAFETY GOGGLES OR FACE SHIELD, GLOVES, PROTECTIVE APRON AND VAPOR RESPIRATOR.

Prepared By: Albatross U.S.A., Inc.

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