

1. Product and Company Identification

Product Code:	1430	
Product Name:	SL-143 Rust Remover & Phosphatizer	
Company Name:	SUNBELT LABORATORIES	Phone Number:
	P.O. BOX 1563	(281)261-4747
	STAFFORD, TX 77497	
Web site address:	www.sunbelt-labs.com	
Emergency Contact:	CHEM-TEL	(800)255-3924

2. Hazards Identification

Skin Corrosion/Irritation, Category 1B**Serious Eye Damage/Eye Irritation, Category 1****GHS Signal Word:** **Danger****GHS Hazard Phrases:** Causes severe skin burns and eye damage.
Causes serious eye damage.**GHS Precaution Phrases:** Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.**GHS Response Phrases:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
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. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Specific treatment see ... on this label.
Wash contaminated clothing before reuse.**GHS Storage and Disposal Phrases:** Store locked up.
Dispose of contents/container to ...**OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.**Potential Health Effects (Acute and Chronic):** Chronic inhalation and ingestion may cause chronic fluoride poisoning (fluorosis) characterized by weight loss, weakness, anemia, brittle bones, and stiff joints. May cause digestive tract disturbances.

Effects may be delayed. May cause liver and kidney damage. Sophisticated modeling has clearly proven that 2-butoxyethanol does not build up in the body under any kinds of normal use.

Inhalation: Causes chemical burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Aspiration may lead to pulmonary edema. Depletes calcium levels in the body which if left untreated can lead to hypocalcemia and death. May cause systemic effects. Harmful if inhaled. May cause respiratory tract irritation. May cause narcotic effects in high concentration. May cause lung damage. May cause anemia. May cause central nervous system effects such as nausea and headache.



SAFETY DATA SHEET

SL-143 Rust Remover & Phosphatizer

Skin Contact: Causes skin burns. Contact with liquid is corrosive and causes severe burns and ulceration. May penetrate the skin and cause severe tissue and bone destruction. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color. Causes skin irritation. Harmful if absorbed through the skin. Substance is rapidly absorbed through the skin. Causes symptoms similar to those of inhalation. Skin sensitization testing with human volunteers produced negative results. A skin notation is not recommended by ACGIH, based on estimates from physiologically based pharmacokinetic models which indicate that, even in worst-case dermal-exposure scenarios, 2-butoxyethanol is not absorbed in amounts sufficient to cause red blood cell hemolysis in humans.

Eye Contact: Causes eye burns. May cause chemical conjunctivitis and corneal damage. Causes eye irritation. Causes redness and pain.

Ingestion: Causes gastrointestinal tract burns. Harmful if swallowed. May cause severe and permanent damage to the digestive tract. May cause kidney damage. May cause perforation of the digestive tract. Causes severe digestive tract burns with abdominal pain, vomiting, and possible death. Inorganic fluorides can be harmful. Acute exposure to fluorine compounds can lead to digestive tract burns, and abdominal pain. Fluoride can reduce calcium levels leading to fatal hypocalcemia. May cause systemic effects. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
7664-38-2	Phosphoric acid	15.0 -30.0 %	
1341-49-7	Ammonium bifluoride	0.5 -1.8 %	
111-76-2	Ethanol, 2-Butoxy-	1.0 -4.0 %	
127087-87-0	Ethoxylated Nonylphenol	< 0.8 %	

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

In Case of Skin Contact: Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes).

In Case of Ingestion: Get medical aid immediately. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Call a poison control center.

Signs and Symptoms Of Exposure: Dermatitis. Effects may be delayed. Gastrointestinal disturbances.

Note to Physician: Treat symptomatically and supportively.



SAFETY DATA SHEET

SL-143 Rust Remover & Phosphatizer

5. Fire Fighting Measures

Flash Pt: No data. Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: For small fires, use dry chemical, carbon dioxide, or water spray. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated. Will burn if involved in a fire. Combustible liquid and vapor.

Flammable Properties and Hazards: No data available.

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Remove all sources of ignition. Use a spark-proof tool.

7. Handling and Storage

Precautions To Be Taken in Handling: Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood. Wash thoroughly after handling. Minimize dust generation and accumulation. Keep container tightly closed. Discard contaminated shoes. Use only with adequate ventilation. Use spark-proof tools and explosion proof equipment. Keep away from heat, sparks and flame.

Precautions To Be Taken in Storing: Store in a cool, dry place. Store in a tightly closed container. Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Corrosives area. Keep away from acids. Keep away from strong bases. Store protected from moisture. Keep away from sources of ignition.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7664-38-2	Phosphoric acid	PEL: 1 mg/m3	TLV: 1 mg/m3 STEL: 3 mg/m3	No data.
1341-49-7	Ammonium bifluoride	No data.	No data.	No data.
111-76-2	Ethanol, 2-Butoxy-	PEL: 50 ppm	TLV: 20 ppm	No data.
127087-87-0	Ethoxylated Nonylphenol	No data.	No data.	No data.



SAFETY DATA SHEET

SL-143 Rust Remover & Phosphatizer

Page: 4
Printed: 06/05/2015
Revision: 06/05/2015
Supersedes Revision: 05/21/2015

Respiratory Equipment (Specify Type):	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Eye Protection:	Wear chemical splash goggles. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low. Use only under a chemical fume hood.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Bluish. Acid-like.
pH:	2.4
Melting Point:	NE - 0.00 F (-17.8 C)
Boiling Point:	> 212.00 C (413.6 F) - 239.50 F (115.3 C)
Flash Pt:	No data. Method Used: Estimate
Evaporation Rate:	nd
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: No data. UEL: No data.
Vapor Pressure (vs. Air or mm Hg):	nd
Vapor Density (vs. Air = 1):	nd
Specific Gravity (Water = 1):	~ 1.2 at 77.0 F (25.0 C)
Density:	nd
Solubility in Water:	Soluble
Percent Volatile:	0.56 % by volume.
Autoignition Pt:	No data.

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Incompatible materials, Metals. Excess heat, dust generation, Moisture, ignition sources.
Incompatibility - Materials To Avoid:	Strong oxidizing agents, Reacts with most common metals to produce hydrogen gas. Is corrosive to many materials including leather, rubber, and many organics. acids, Bases, Strong bases, Aluminum.
Hazardous Decomposition or Byproducts:	Phosphine, oxides of phosphorus, hydrogen gas. hydrogen fluoride gas. ammonia and/or derivatives, Carbon monoxide.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	Product will not undergo polymerization.

11. Toxicological Information

Toxicological Information: Epidemiology: No data available.
 Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies: No information found.
 Teratogenicity: No information available.

Carcinogenicity/Other Information: CAS# 7664-38-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 1341-49-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 111-76-2: ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans.
 California: Not listed.
 NTP: Not listed.
 IARC: Not listed.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7664-38-2	Phosphoric acid	n.a.	n.a.	n.a.	n.a.
1341-49-7	Ammonium bifluoride	n.a.	n.a.	n.a.	n.a.
111-76-2	Ethanol, 2-Butoxy-	n.a.	3	A3	n.a.
127087-87-0	Ethoxylated Nonylphenol	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: Environmental: No information available.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
 RCRA P-Series: None listed.
 RCRA U-Series: None listed.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: PHOSPHORIC ACID, SOLID. AMMONIUM HYDROGEN DIFLUORIDE, SOLID. NOT REGULATED FOR DOMESTIC TRANSPORT.

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN1805 **Packing Group:** III



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: No information available. AMMONIUM HYDROGEN DIFLUORIDE, SOLID. Not Regulated.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7664-38-2	Phosphoric acid	No	Yes 5000 LB	No
1341-49-7	Ammonium bifluoride	No	Yes 100 LB	No
111-76-2	Ethanol, 2-Butoxy-	No	No	Yes-Cat. N230
127087-87-0	Ethoxylated Nonylphenol	No	No	No



SAFETY DATA SHEET

SL-143 Rust Remover & Phosphatizer

This material meets the EPA Yes No Acute (immediate) Health Hazard
 'Hazard Categories' defined Yes No Chronic (delayed) Health Hazard
 for SARA Title III Sections Yes No Fire Hazard
 311/312 as indicated: Yes No Sudden Release of Pressure Hazard
 Yes No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7664-38-2	Phosphoric acid	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory
1341-49-7	Ammonium bifluoride	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory
111-76-2	Ethanol, 2-Butoxy-	CAA HAP,ODC: HAP CWA NPDES: No TSCA: Yes - Inventory
127087-87-0	Ethoxylated Nonylphenol	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory, 8A PAIR

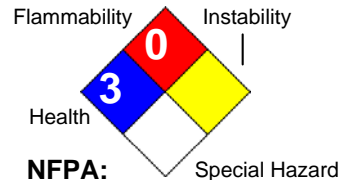
16. Other Information

Revision Date: 06/05/2015

Hazard Rating System:

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
REACTIVITY	<input type="checkbox"/>	2
PPE		

HMIS:



Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. There is no assumption of liability for accuracy contained within this information. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.