

MATERIAL SAFETY DATA SHEET  
CENTRAZ INDUSTRIES, INC.  
4051 BINGHAM AVENUE  
ST. LOUIS, MISSOURI 63116-3506

PHONE: (314) 752-7627 (SOAP)  
(800) 695-7627 (SOAP)  
FAX: (314) 752-7293

PRODUCT IDENTIFICATION:

PRODUCT NAME: SOUR-NU, Rust Removing Sour  
TRADE NAME: Sour/Neutralizer,  
CHEMICAL FAMILY: Acid

MSDS CODE NUMBER: 101011SN  
ORIGINAL DATE: 07\20\90  
REVISION DATE: 12\20\00  
FORMULA: Proprietary

24 HOUR EMERGENCY RESPONSE NUMBER: CHEMTREC (800) 424-9300  
MSDS CODE NUMBER: 101011SN EMERGENCY RESPONSE GUIDE: NAERG 2000 154  
PROPER SHIPPING NAME: COMPOUND CLEANING, LIQUID HAZARD CLASS: 8  
ID NUMBEDR: NA 1760 PACKING GROUP III LABEL: CORROSIVE  
TECHNICAL NAME: CONTAINS PHOSPHORIC ACID  
"LTD QTY" EEMPTION: 173.154 COMBINATION PACKAGES 4\1 - 6\1 GALLON  
This number is to be used only in the case of emergencies involving a  
spill, leak, fire, exposure or accident involving chemicals.

S.A.R.A. INFORMATION:

HAZARDS: Fire: No Pressure: No Reactivity: No Acute: Yes Chronic: No  
PHYSICAL DATA: Mixture: Yes Pure: No Solids: No Liquids: Yes Gas: No

SECTION I: HAZARDOUS INGREDIENTS

MATERIAL	% BY WEIGHT	CAS #	OSHA PEL - ACGIH TLV
*Phosphoric Acid	0 - 10	007664-38-2	PEL\TWA\TLV: 1 mg/m3 STEL 3 mg\m3 ACGIH

Silicate(2-)hexafluoro-

Dihydrogen	0 - 10	016961-83-4	2.5 mg(F)\m(3)
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Hydroxyacetic Acid	0 - 10	000079-14-1	10 mg\m(3) - 3 ppm
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\* Phosphoric Acid is subject to S.A.R.A., Title III Section 313, Part 72 reporting.

SECTION II: HEALTH HAZARDS TLV (Threshold Limit Value): See Section I

EYES: Contact can cause severe irritation, possible chemical burns.

SKIN: Contact can cause acid burns, it is important to flush skin immediately after contact as burning sensation may be delayed upon skin contact delaying awareness of person that contact has occurred.

INHALATION: Vapor or mist if inhaled can cause damage to nasal and respiratory passages.

INGESTION: May be harmful or fatal if swallowed. May cause corrosion of the mucous membranes of the gastrointestinal tract.

SECTION III: FIRST AID

EYES: Flush with water for at least 15 minutes lifting upper & lower lids. Call physician immediately. DO NOT use chemical antidote. Contact lenses should not be worn when working with this product.

SKIN: Flush with water for 15 minutes. If irritation persists - call a physician. Remove contaminated clothing, launder before reuse.

INHALATION: Remove person to fresh air. If breathing has stopped, administer artificial respiration. Get medical attention.

INGESTION: DO NOT induce vomiting which may cause further damage to throat. Rinse mouth with water, drink large quantities of water or milk. Get medical attention immediately.

SECTION IV: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: For exposure above PEL/TVA, use any supplied air respirator in a continuous flow mode. VENTILATION REQUIRED: Local Exhaust \ ventilation to minimize exposure.

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PROTECTIVE CLOTHING: EYES: Chemical splash goggles. SKIN: Rubber or neoprene gloves. Rubber apron\boots if splashing is likely.  
ADDITIONAL PROTECTIVE MEASURES: Running water, eye bath or safety shower.

SECTION V: FIRE & EXPLOSION HAZARD DATA

FLASH POINT/FLAMMABLE LIMITS: N/A EXTINGUISHING MEDIA: Water fog  
SPECIAL FIRE FIGHTING PROCEDURES: Phosphoric Acid can react with metals to release flammable hydrogen. Containers should be cooled with water spray to prevent over heating and possible release of toxic Phosphorous fumes.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:

SECTION VI: PHYSICAL DATA

BOILING POINT: >212 Dgr. F.  
SPECIFIC GRAVITY: 1.12 POUNDS PER GALLON: 9.35  
VAPOR PRESSURE (MM HG): Unknown VAPOR DENSITY (Air=1): Heavier than air  
EVAPORATION RATE: % VOLATILE BY VOLUME:  
SOLUBILITY IN WATER: Complete pH: 4  
APPEARANCE AND ODOR: Red liquid/mild acid odor.

SECTION VII: REACTIVITY DATA

PRODUCT IS STABLE

CONDITION TO AVOID: Keep containers closed. Avoid contact with sulfides and sulfites.

INCOMPATIBILITY: Component (Phosphoric Acid) reacts with metals (e.g. mild steel & aluminum), can produce heat & flammable hydrogen gas. Will react with basic materials (e.g. lime, soda ash, caustic soda & alkali metals). Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: At temperatures, above 300 Dgr. C. Phosphoric Acid will decompose and emit toxic Phosphoric oxide fumes.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VIII: SPILL AND LEAK PROCEDURES

Contain spills & leaks to prevent discharge to the environment. Material that cannot be salvaged should be neutralized cautiously with a base such as soda ash or lime and discarded per RCRA regulations.

NOTE: Before flushing residue and/or product into local sewer system, check pH of acceptable effluent water in accordance with local water treatment plant. WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations.

SECTION IX: D.O.T. SHIPPING INFORMATION

FREIGHT CLASS 55

SHIPPING PAPER INFORMATION: SEE PAGE ONE.

SECTION X: ADDITIONAL INFORMATION

STORAGE AND HANDLING: Store in cool dry area. KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY. STORE AWAY FROM OXIDIZERS & ALKALIS. Empty containers contain product residue, observe all warnings. Triple rinse containers & dispose of according to regulations.

OTHER INFORMATION: Phosphoric Acid is not listed as a carcinogen or potential carcinogen by NTP, IARC or OSHA.

NOTES TO PHYSICIAN: Moderately corrosive agent which may burn any exposed tissue upon other than very brief contact. Eyes, skin and mucous membranes should be flushed thoroughly with water, and ophthalmologic consultation should be obtained for any corneal burns.

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In cases of ingestion, immediate dilution with water, milk or demulcents is worthwhile, but attempts to neutralize with a base should be avoided because of excessive gas and heat formation, which may increase the threat of esophagogastric perforation. Vomiting and diarrhea (laxative effect of phosphates) are expected with large doses. Parental fluid administration may be needed if losses there from are severe, or shock ensues. Supportive care may be needed for such other complications as glottal edema, hematemesis and perforation (unlikely). Induced vomiting should be avoided because local tissue injury may be aggravated, but the patient should be watched for hyperphosphatemia and hypocalcaemia. Milk or other demulcents may be worthwhile for gastric irritation.

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DATE ISSUED: 12\20\00

PREPARED BY: Regulatory Affairs

This supersedes any and all Material Safety Data Sheet issued prior to the above date. Please update your files with this most current sheet.