

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Soak Tank Rust Remover (SOA100)
Product Class: Acid cleaner / treatment
Emergency Telephone Number: 800-535-5053 (INFOTRAC)
Telephone Number for Information: 763-509-7937
Manufactured For:
Ver-tech Labs
6801 Bleck Drive
Rockford, MN 55373

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)
A	Phosphoric Acid AS #7664-38-2
B	Diphosphonic acid CAS #2809-21-4

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Green liquid, mild odor.

Primary Hazards: Corrosive

Potential Health Hazards

Route(s) of Entry: Skin **Absorption:** X **Ingestion:** X **Inhalation:** X

Eye: May cause severe burns.

Skin: May cause severe burns.

Ingestion: May be harmful if swallowed.

Inhalation: Vapors may be harmful.

Signs and Symptoms of Exposure: Severe irritation on direct contact.

Carcinogenicity: NTP? No **IARC Monographs?** No

OSHA Regulated? No

Target Organ (s): Eyes, skin, respiratory system.

Medical Conditions Generally Aggravated by Exposure: pre-existing skin or respiratory conditions.

Health Hazards, Chronic: N. Av.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:

If Swallowed: Call a physician immediately. Rinse mouth with water. Drink water in large amounts. Never give anything by mouth to an unconscious person. **Eye Contact:** Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. **Skin Contact:** Flood surface with water. If irritation persists seek medical attention. Remove and wash contaminated clothing before reuse.

Corrosive: May cause stricture. If lavage is performed, suggest endotracheal and/or esophagoscopy control. If burn is present, treat as thermal burn, after decontamination. No specific antidote.

Sources Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES

Flammability: Non-flammable **Autoignition Temperature:** N. Ap.

Flash Point (method used): None

Flammable Limits: N. Ap. LEL UEL

Extinguishing Media: N. Ap.

Water?	Foam?	Water Fog?
Alcohol Foam?	CO ₂ ?	Dry Chemical?
Vaporizing Liquid?	Other?	

Special Fire Fighting Procedures: N. Ap.

Unusual Fire and Explosion Hazards: Hydrogen chloride is non-flammable, however flammable hydrogen gas can be generated when it is in contact with metals.

TDG Flammability Classification: Non-flammable

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be taken in Case Material is Released or Spilled:

Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

SECTION VII - HANDLING AND STORAGE

Precautions to be taken in Handling and Storing:

Normal care in handling and storage.

Other Precautions: Keep out of reach of children. Keep from freezing.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required where ventilation is sufficient to maintain hydrogen chloride vapor level below listed TLV (Section XI).

Ventilation: Local Exhaust:	Not required	Special: Not required
Mechanical (General):	As required to keep vapor levels below listed TLV (Section XI).	Other: Not required

Protective Gloves: Chemical resistant rubber

Eye Protection: Approved safety goggles or glasses.

Footwear: Chemical resistant footwear may be required.

Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: Do not breath vapors or fumes. Do not contaminate food or beverages with cleaning chemicals.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F (100°C)	pH: < 1
Specific Gravity (H₂O) = 1: 1.12	% Volatile: > 75
Vapor Density (Air = 1): > 1	Odor Threshold: N. Av.
Evaporation Rate (Butyl Acetate = 1): N. Av.	Oil/Water Distribution
Solubility in Water: Complete	Coefficient: N. Av.
Vapor Pressure (MM HG): N. Av.	
Melting Point: N. Ap.	

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X
Conditions to Avoid: Avoid contact with metals.
Incompatibility (materials to avoid): Chlorine bleach, oxidizing agents.
Hazardous Decomposition or By-products: N. Av.
Hazardous Polymerization: May occur: Will not occur: X
Conditions to Avoid: N. Ap.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	1mg/m3	1mg/m3	N. Av.	4,400mg/kg (rat, oral)	7.7mg/l (rat, 4H)
B	None	None	N. Av.	2400mg/kg (rat, oral)	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: N. Av.

Toxicologically Synergistic Products: N. Av.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.

Chemical Fate Information: N. Av.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Neutralize and dispose of spilled material as a pesticide in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewerred.

RCRA Hazard Class: D002, characteristic corrosive.

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Corrosive liquid, acidic inorganic N.O.S. (Phosphoric acid) 8

UN Number: 3264

Packing Group: II

SECTION XV - PREPARATION DATA

Prepared By: Health and Safety Department

Telephone Number: 763-509-7937

Date: 7-2004

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All ingredients listed.

CERCLA Reportable Quality: 5,000 lbs. Phosphoric acid

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

Section 311/312 Hazard Category: Immediate health, chronic health

Section 313 Toxic Chemicals: Phosphoric acid

SECTION XVII - OTHER INFORMATION

None

N. Ap. - Not Applicable; N.Av. - Not Available

NFPA SYSTEM

2 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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