

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Diamond Anti-Rust Sour (PC 49)
Product Class: Laundry Acidic Rinse Additive
Emergency Telephone Number: 800-813-9621
Telephone Number for Information: 519-759-9621
Manufactured for:
Diamond Products
61 Shaver St. PO BOX 1507
Brantford, ON N3T 5V6

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Phosphoric Acid CAS #7664-38-2	8 - 20
B	Water CAS #7732-18-5	5 - 100

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Clear Colorless to yellowish Liquid, Pungent Odor
Primary Hazards: Corrosive

Potential Health Hazards

Route(s) of Entry: Skin Absorption: X Ingestion: X Inhalation: X
Eye: May cause chemical burns on contact.
Skin: May cause chemical burns on contact.
Ingestion: Harmful if swallowed.
Inhalation: Vapor irritating.
Signs and Symptoms of Exposure: Eye Contact: Possible corneal damage and blindness. Skin Contact: Possible slippery feeling, redness, swelling and burns. Symptoms may be delayed.
Carcinogenicity: NTP? No IARC Monographs? No
OSHA Regulated? No
Target Organ (s): Eyes, skin, bones and mucous membranes
Medical Conditions Generally Aggravated by Exposure: Preexisting skin and respiratory conditions
Health Hazards, Chronic: N. Av.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:

If Swallowed: Do not induce vomiting. Rinse mouth with water and call a physician immediately. Never give anything by mouth to an unconscious person. **Eye Contact:** Flush eyes with running water for at least 15 minutes. Obtain immediate medical attention. **Skin Contact:** Flush thoroughly with cool water obtain medical attention. Remove wash contaminated clothing. **For Inhalation:** Remove to fresh air. If irritation persists, get medical attention.
Note to Physicians: If swallowed beware of late onset of pulmonary edema. Treat severe burns similar to hydrofluoric acid
Sources Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES

Flammability: No **Autoignition Temperature:** N. Ap.
Flash Point (method used): None
Flammable Limits: N. Ap. LEL UEL
Extinguishing Media: N. Ap.
Water X Foam X Water Fog X
Alcohol Foam? CO₂ Do not use Dry Chemical?
Vaporizing Liquid? Other?
Special Fire Fighting Procedures: Fire fighter should wear self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: None
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: Corrosive material Strong Oxidizer
Dike and contain spill with inert material (sand, earth, etc). Dilute spill with water. Collect spill with mop 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. Keep cool and a well ventilated area.
Other Precautions: Keep out of reach of children. Keep from freezing

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required
Ventilation: Local Exhaust: Not required **Special:** Not required
Mechanical (General): Normal good ventilation sufficient.
Other: Keep below exposure limits
Protective Gloves: Natural rubber or synthetic.
Eye Protection: Approved safety goggles or glasses. **Footwear:** N. Ap.
Other Protective Clothing or Equipment: Not required
Work/Hygienic Practices: Do not contaminate food or beverages with chemicals.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 222 F **pH:** 1.2
Specific Gravity (H₂O) = 1: 1.1 - 1.2 **% Volatile:** 100
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): 24 @ 77 F
Melting Point: N. Ap.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X
Conditions to Avoid: Metals, glass, stoneware, alkali and strong acids
Incompatibility (materials to avoid): Acids, Organics, Amines, Metals, Ammonia
Hazardous Decomposition or By-products: Hydrogen Fluoride
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	2.5mg/m3	2.5mg/m3	N. Av.	N. Av.	N. Av.
B	N. Ap.	N. Ap.	N. Ap.	N. Ap.	N. Ap.

Teratogen, Mutagen, Reproductive Toxin Status: No
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:
Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewerred, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.
RCRA Hazard Class: D002

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Corrosive liquid, acidic, inorganic, n.o.s. (phosphoric acid), 8
UN Number: UN3264
Packing Group: PG II.

SECTION XV - PREPARATION DATA

Prepared By: Hawco Products Ltd./Diamond Products
Telephone Number: 519-759-2443
Date: January 21, 2015

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations **Canada Regulations**
TSCA Status: All ingredients listed. **DSL Status:** All ingredients listed
CERCLA Reportable Quality: N. Ap..
SARA Title III
Section 302 Extremely Hazardous Chemicals: None
Section 311/312 Hazard Category: Immediate health hazard Fire & Reactive
Section 313 Toxic Chemicals: None
WHMIS Class E **Risk Phrase:** R21, R22, R41
Precautionary: S2, S26, S62

SECTION XVII - OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Control Products Regulations and the MSDS contains all the information required by the Control Products Regulations

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

NFPA SYSTEM

3 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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