



HURST CHEMICAL COMPANY

Date Prepared: November 1993
Date Reviewed: March 2009

MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: Metal Plate Cleaner and Desensitizer 328
Chemical names, common names: Complex Inorganic and Salt Mixture
Manufacturer's Name: HURST CHEMICAL COMPANY
Address: 231 W. Pedregosa St. , Santa Barbara, CA 93101
For Product Information, call: (800) 723-2004
FOR EMERGENCY, CALL CHEMTREC, 24 HOUR: (800) 424-9300
DOT CLASSIFICATION: (Not Regulated)

II. HAZARDOUS INGREDIENTS

<u>Chemical Names</u>	<u>CAS Number</u>	<u>Weight % Range</u>	<u>Exposure Limits in Air</u>	
			<u>ACGIH (TWA)</u>	<u>OSHA (PEL)</u>
2-Butoxyethanol	111-76-2	3-4	25 ppm	25 ppm

Section IIA -This product contains the following chemicals subject to reporting requirements of SARA 313 and 40 CFR 372.

III. PHYSICAL PROPERTIES

Appearance and odor: Clear pink liquid with lemon odor
Vapor density (air = 1): <1
Specific Gravity: 1.02
Density lb/gal: 8.5
Solubility in water: 100%
VOC Composite Partial Pressure, mm Hg at 20°C: <1
Evaporation rate (Bu Ac = 1): <1
Boiling Range °F: 212
PH = 11.8
Volatile Organic Content (VOC,EPA Method 24): 45.4 gm/l or 0.36 lb/gal

IV. FIRE AND EXPLOSION

HMIS	Health Hazard=1	0=Least	3 = High
HAZARD	Flammability=0	1=Slight	4 =Extreme
CLASS	Reactivity= 0	2=Moderate	
Other	Gloves and Safety goggles		

Flash Point °F: >200
Flammable limits in air, volume %: lower 1.2 upper 10.6
Fire extinguishing materials: Carbon dioxide, foam and dry chemical may be used. Do not use water spray.
Other (see special firefighting procedures below).
Special firefighting procedures: Solvent vapors exposed to open flame can become combustible under certain conditions; then use foam, dry chemical or CO2 to extinguish.
Unusual fire and explosion hazard: Keep work areas free of hot metal surfaces and other sources of ignition.

V. HEALTH HAZARD INFORMATION**SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE**

Inhaled: Breathing vapors or mists may cause irritation of the nose and throat and kidney damage.

Contact with skin or eyes: This product is eye and skin irritant. Prolonged eye and skin contact may cause permanent eye injury and skin damage.

Absorbed through skin: This material is toxic when absorbed through skin.

Swallowed: Swallowing large quantities of this material may cause burning of the mouth, throat, and digestive tract accompanied by severe pain.

HEALTH EFFECTS OR RISKS FROM EXPOSURE

Acute: Eye and skin damage.

Chronic: May result in areas of destruction of skin tissue or primary irritant Dermatitis.

FIRST AID: EMERGENCY PROCEDURES

Eye Contact: Immediately flush eyes with lots of water for 15 minutes. get immediate medical attention.

Skin Contact: Immediately wash skin with lots of water. Remove contaminated clothing and shoes; wash before use. Get medical attention if irritation persists.

Inhaled: Remove to fresh air. If symptoms of over exposure occurs seek medical attention.

Swallowed: Do not induce vomiting, give lots of water or milk. Get immediate medical attention.

COMMENTS: This product has not been identified as a carcinogen by NTP, IARC or OSHA. One of the ingredients (2-Butoxyethanol) in this product caused blood disorders, (resulting in Kidney, Liver and Spleen damage) in long term studies in laboratory animals.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: Pre-existing blood disorders may be aggravated by exposure to this material.

RECOMMENDATIONS TO PHYSICIAN- If symptoms if over exposure occurs, obtain blood glucose and complete neurological examination.

VI. REACTIVITY DATA

Stability: Stable under ordinary use & storage.

Incompatibility (materials to avoid): Oxidizers and strong acids. Prolonged contact with aluminum, copper, tin, lead or zinc may liberate flammable hydrogen gas.

Hazardous Decomposition products (including combustion products): Carbon monoxide and carbon dioxide.

Hazardous polymerization: Will not occur

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures: For large spills, contain by diking with non-combustible absorbent material and carefully neutralize with diluted hydrochloric acid. Keep the materials out of sewers, storm drains, surface waters and soil. Preparing wastes for disposal: Dispose of contaminated product and materials used in cleaning up spills or leaks according to Local, State and Federal regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: Normal shop ventilation is adequate, floor ventilation is preferred.

Respiratory Protection: In working atmosphere where mist is prevalent, use NIOSH-approved air-purifying respirator with mist filter.

Eye Protection: Use safety goggles where solvent splashes are expected.

Gloves: Use nitrile gloves to prevent repeated or prolonged skin contact.

Other clothing and equipment: Eye wash and quick drench shower facilities should be available in the work area.

Thoroughly clean shoes and wash contaminated clothing before reuse.

Work practices, hygienic practices: Practice personal cleanliness by prompt removal of solvent in contact with skin.

Train all employees on special handling procedures prior to working with this product.

OTHER HANDLING AND STORAGE REQUIREMENTS

Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice.

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