

## **SAFETY DATA SHEET**

### SECTION 1. Identification

Product Identifier: Trade Name: No. 328 Metal Plate Cleaner and Desensitizer  
Chemical names, common names: Complex Inorganic and Salt Mixture

Manufacturer's Name: HURST CHEMICAL COMPANY  
Address: 2360 Eastman Avenue # 108, Oxnard, CA 93030  
Product Information, Call: (800) 723-2004  
Emergency Phone Number: CALL CHEMTREC, 24 HOUR: (800) 424-9300  
DOT CLASSIFICATION: (Not Regulated)

Recommended Use: A metal plate cleaner, desensitizer and chemical scratch remover for all metal plates.

Restrictions on Use: Not intended for any other use other than the recommended use of this product. Persons handling and/or using this product should be trained regarding handling and use.

### SECTION 2. Hazard(s) Identification

HMIS Health Hazard = 1  
HAZARD Flammability = 0  
CLASS Reactivity = 0

0 = Least	3 = High
1 = Slight	4 = Extreme
2 = Moderate	

Other: Gloves and Safety goggles  
Flash Point °F: >200

Signal Word: Danger

Hazard Statement(s):

The product is not flammable. However vapors exposed to heat or open flame may separate and become flammable. Then use dry chemical or foam to extinguish.

Unusual fire and explosion hazards: Keep work areas free of hot metal surfaces and other sources of ignition

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

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

Acute: Eye and skin damage.

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

Pictograms or hazard symbols:



**Precautionary statement(s):**

Wash affected areas thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Keep away from open flames/hot surfaces.

Mixture composition and information on ingredients are described in Section 3.

**SECTION 3. Composition/ Information on Ingredients**

<u>Chemical Names</u>	<u>CAS Number</u>	<u>Weight % Range</u>
2-Butoxyethanol	111-76-2	3-4

**SECTION 4. First-Aid Measures****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.

**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.

## SECTION 5. Fire-fighting Measures

Flash Point °F: >200

Fire extinguishing materials: Carbon dioxide, foam and dry chemical may be used. Do not use water spray.

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.

## SECTION 6. Accidental Release Measures

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.

## SECTION 7: Handling and Storage

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.

## SECTION 8. Exposure Controls/ Personal Protection

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

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.

## SECTION 9. Physical and Chemical Properties

- Appearance (physical state, color, etc.): Clear pink liquid
- Upper/lower flammability or explosive limits: Flammable limits in air, volume %: lower 1.2 upper 10.6
- Odor: lemon odor
- Vapor pressure: Information may not be relevant or is not available.
- Odor threshold: Information may not be relevant or is not available.
- Vapor density: (air = 1): <1
- pH: 11.8
- Relative density: Density lb/gal: 8.5
- Melting point/freezing point: Information may not be relevant or is not available.
- Solubility(ies): in water: 100%
- Initial boiling point and boiling range: Boiling Range °F: 212
- Volatile Organic Content (VOC,EPA Method 24): 45.4 gm/l or 0.36 lb/gal
- Flash point: °F: >200
- Evaporation rate: (Bu Ac = 1): <1
- Specific Gravity: 1.02
- Flammability (solid, gas): Flammability=0, 0=Least
- Partition coefficient: n-octanol/water: Information may not be relevant or is not available.
- Auto-ignition temperature: Information may not be relevant or is not available.
- Decomposition temperature: Information may not be relevant or is not available.
- Viscosity: Information may not be relevant or is not available.
- VOC Composite Partial Pressure, mm Hg at 20°C: <1

## SECTION 10. Stability and Reactivity

### Reactivity

Fire and Explosion: CLASS / Reactivity=0, 0=Least

### Chemical stability

Stable under ordinary use & storage.

### Other

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

Unusual fire and explosion hazard: Keep work areas free of hot metal surfaces and other sources of ignition.

## SECTION 11. Toxicological Information

Routes of exposure (inhalation, ingestion, skin and eye contact are discussed in Section 4. Description of the delayed, immediate, or chronic effects from short- and long-term exposure is discussed in Section 4. Description of the symptoms is discussed in Section 4.

## SECTION 12. Ecological Information

Keep out of sewers, drainage areas, and waterways. Consult appropriate local, county, state, and federal agencies regarding ecological issues. Follow appropriate spill response measures as outlined in Section 6.

## SECTION 13 Disposal Considerations

Preparing wastes for disposal: Dispose of contaminated product and materials used in cleaning up spills or leaks according to Local, State and Federal regulations.

## SECTION 14. Transport Information

Transport this product in accordance with local, county, state, and federal regulations.

## SECTION 15. Regulatory Information

Section IIA -This product contains the following chemicals subject to reporting requirements of SARA 313, 40 CFR 372, and Environment Canada's NDSL: None

This product contains the following chemicals subject to reporting requirements of TSCA and Environment Canada's DSL: 2-Butoxyethanol

## SECTION 16. Other Information

Date Prepared: November 1993

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