



**MATERIAL SAFETY DATA SHEET**

**I. PRODUCT INFORMATION**

Trade Name: Black Plate 364  
Chemical names, common names: Complex water based solution  
Manufacturer's Name: HURST CHEMICAL COMPANY  
Address: 2500 San Fernando Road, Los Angeles, CA 90065  
DOT CLASSIFICATION: (Not Regulated)  
For Product Information, call : (323) 223-4121  
FOR EMERGENCY, CALL CHEMTREC, 24 HOUR: 800 424-9300

**II. HAZARDOUS INGREDIENTS**

<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

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

<u>Listed Ingredients</u>	<u>CAS Number</u>	<u>Weight % Range</u>
2-Butoxyethanol	111-76-2	0.4

**III. PHYSICAL PROPERTIES**

Vapor density (air = 1): <1  
Solubility in water: 100%  
Evaporation rate (Bu Ac = 1): 1  
Appearance and odor: Clear, yellow liquid with lemon fragrance.  
Volatile Organic Content (VOC,EPA Method 24): 8.00 gm/l or 0.07 lb/gal  
Photochemical Reactivity Rule-102: Non Photochemically reactive

Specific Gravity: 1.02  
VOC Composite Partial Pressure, mm Hg at 20°C: < 1  
Boiling Range °F: 212  
PH =9.00

**IV. FIRE AND EXPLOSION**

**HAZARD RANKING**

HMIS Health Hazard=0  
HAZARD Flammability=0  
CLASS Reactivity= 0  
Other = B

0=Least  
1=Slight  
2=Moderate  
3 = High  
4=Extreme  
B=Safety glasses, nitrile gloves.

Flash Point °F: > 200  
Flammable limits in air, volume%: lower: 1.2 upper: 10.6  
Autoignition temperature, °F: n/a  
Fire extinguishing materials: N/A water spray Y carbon dioxide Y foam  
Y dry chemical N/A other

Special firefighting procedures: None  
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: Possible irritation of nose and throat  
Contact with skin or eyes: Irritation of eyes and skin  
Absorbed through skin: Not toxic through skin absorption.  
Swallowed: Nausea

**HEALTH EFFECTS OR RISKS FROM EXPOSURE -**

Acute: Irritation of eyes, skin, and mucous membranes.  
Chronic: Not known

**FIRST AID: EMERGENCY PROCEDURES -**

Eye contact: Flush eyes immediately with water.

Skin contact: Wash promptly with soap and water.

Inhaled: Remove from exposure to fresh air, apply artificial respiration, if necessary.

Swallowed: Seek medical advice. DO NOT give counteragents or induce vomiting.

COMMENTS: This product has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: Prior history of chronic skin disease.

**VI. REACTIVITY DATA**

Stability: Stable under ordinary conditions of use and storage.

Incompatibility (materials to avoid): n/a

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

Hazardous polymerization: Will not polymerize under ordinary conditions of use and storage.

**VII. SPILL, LEAK, AND DISPOSAL PROCEDURES**

Spill response procedures: Eliminate ignition sources. Contain spills for salvage or disposal. Avoid run-off into sewers and ditches.

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.

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: Prevent repeated or prolonged skin contact with rubber gloves.

Other clothing and equipment: Remove non-impervious clothing that becomes wet to prevent fire and irritation source.

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 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.

**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. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

HURST CHEMICAL COMPANY furnishes Material Safety Data Sheets based upon information from raw material suppliers. This information is provided in compliance with Federal Regulation 29CFR 1910.

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