

# MATERIAL SAFETY DATA SHEET

#### I. PRODUCT INFORMATION

Trade Name: No. 201 Glass Cleaner

Chemical names, common names: Water Alcohol Base Mixture

Manufacturer's Name: HURST CHEMICAL COMPANY Address: 2500 San Fernando Road Los Angeles, CA 90065 DOT CLASSIFICATION: Glass Cleaner (Not Regulated)

For Product Information, call: (323) 223-4121

FOR EMERGENCY, CALL CHEMTREC, 24 HOUR: 800 424-9300

#### II. HAZARDOUS INGREDIENTS

**Exposure Limits in Air** 

Chemical NamesCAS NumberACGIH (TWA)OSHA (PEL)Isopropyl alcohol67-63-0400 ppm400 ppm (TWA)2-Butoxyethanol111-76-225 ppm25 ppm (TWA)

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 4.0-6.0

III. PHYSICAL PROPERTIES

<u>Vapor density (air = 1):</u> < 1 <u>Specific Gravity:</u> 0.98 <u>Density lb/gal:</u> 8.2 <u>Solubility in water:</u> 100% <u>VOC Composite Partial Pressure, mm Hg at 20°C:</u> 2.2

Evaporation rate (Bu Ac = 1): > 1 Boiling Range  $^{\circ}F$ : 180-300

Appearance and odor: Clear blue liquid, with lavender odor PH: 10.5

Volatile Organic Content (VOL%): <8%

#### IV. FIRE AND EXPLOSION

HAZARD RANKING

HMIS Health Hazard=1 0=Least 4=Extreme

Flash Point °F: >200

Flammable limits in air, volume%: lower: N/A upper N/A

Fire extinguishing materials: No water spray No carbon dioxide No foam

Yes dry chemical Yes other

<u>Special firefighting procedures:</u> Solvent vapors exposed to open flame can become combustible under certain conditions; then use foam, dry chemical or CO2 to extinguish.

<u>Unusual fire and explosion hazards:</u> 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 -

IInhaled: A component in this product is toxic by inhalation. Breathing vapors or mists may be harmful. Symptoms of toxicity may include signs of nervous system depression, irritation of the nose & throat and kidney damage.

Contact with skin or eyes: Skin & eye irritant, direct contact with the liquid may cause redness & swelling of eyes, drying & cracking of the skin.

Absorbed through skin: One of the component in this product is toxic by skin absorption.

Swallowed: Ingestion of excessive quantities may cause signs of nervous system depression & irritation of digestive tract.

#### HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: Skin & eye irritant

Chronic: 2-Butoxyethanol has caused blood disorders, kidney, liver & spleen damage in laboratory animals.

### FIRST AID: EMERGENCY PROCEDURES -

Eye Contact: For direct contact, hold eyelids apart & flush the affected eye (s) with clean water for 15 minutes.

Skin Contact: Remove contaminated clothing & cleanse affected area (s) thoroughly with mild soap & water. If irritation or redness develops seek medical attention.

Inhaled: Move victim away from source of exposure and into fresh air, if symptoms persist seek medical attention.

Swallowed: If symptoms of over exposure develop, induce vomiting by ingesting syrup of ipecac.

COMMENTS: This material has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA. Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain & nervous system damage, (Sometimes referred to as solvent or painter's syndrome). Intentional misuse by deliberately concentrating & inhaling this product may be harmful or fatal. Pre- existing kidney disorders may be aggravated by exposure to this material.

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

RECOMMENDATIONS TO PHYSICIAN- Isopropanol is effectively removed by hemodialysis.

### **VI. REACTIVITY DATA**

Stability: Stable under ordinary use & storage.

Incompatibility (materials to avoid): Incompatible with strong alkalis & oxidizers, hydrogen peroxide, chlorine, ethylene oxide, anhydride.

Hazardous Decomposition products (including combustion products): Combustion may yield carbon monoxide/ carbon dioxide.

Hazardous polymerization: Will not occur.

## VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

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

Preparing wastes for disposal: Consult federal, State & local regulations controlling proper disposal of Hydrocarbon based liquid materials.

## **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 purifying respirator with mist filter.

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

Gloves: Rubber gloves

Other clothing and equipment: None

Work practices, hygienic practices: Practice personal cleanliness by prompt removal of liquid 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. All other 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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