

# MATERIAL SAFETY DATA SHEET

# **I. PRODUCT INFORMATION**

Trade Name: IPA-99

Chemical names, common names: OXYGENATED HYDROCARBON

Manufacturer's Name: HURST GRAPHICS, INC

Address: 2500 San Fernando Rd. Los Angeles, CA 90065 DOT CLASSIFICATION: Isopropanol, 3, UN 1219, PG II

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)Isopropanol67-63-0400 ppm400 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>

None None None

#### **III. PHYSICAL PROPERTIES**

<u>Vapor density (air= 1):</u> 2.1 <u>Specific Gravity:</u> 0.786 <u>Density:</u> 6.55 lb/gallon <u>VOC Composite Partial Pressure, mm Hg at 20°C:</u> 37

Evaporation rate (Bu Ac=1): 1.7 Boiling Range °F: 180

Appearance and odor: Clear, Colorless alcohol odor

Volatile Organic Content (VOC, ASTM Method D2369): 785 gm/1 or 6.55 lb/gal

# **IV. FIRE AND EXPLOSION**

HAZARD RANKING

HMIS Health Hazard=1 0=Least 4=Extreme

HAZARD Flammability=3 1=Slight
CLASS Reactivity= 0 2=Moderate
Other = Organic vapor respirator, 3 = High

gloves, and safety glasses

Flash Point °F: 53 TCC Flammable class: IB Flammable limits in air, volume%: lower 2.0 upper 12.0

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

Yes dry chemical No other

<u>Special firefighting procedures:</u> The use of SCBA is recommended for fire fighters water spray may be useful in minimizing vapors & cooling containers exposed to heat & flame. Avoid spreading burning liquid with water used for cooling purposes.

<u>Unusual fire and explosion hazard:</u> This material is flammable and may be ignited by heat, sparks, flame or static electricity.

# **V. HEALTH HAZARD INFORMATION**

## SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE -

<u>Inhaled:</u> irritation of the nose and throat & signs of nervous system depression, respiratory symptoms Associated with pre-existing lung disorders may be aggravated by exposure to this material.

<u>Contact with skin or eyes:</u> Eye & skin irritant. Prolonged or repeated contact may cause redness, burning, drying and cracking of skin and stinging, tearing, redness and swelling of eyes.

<u>Absorbed through skin:</u> symptoms of toxicity are not anticipated by this route alone, under normal conditions of use. <u>Swallowed:</u> Ingestion of excessive quantities may cause irritation of digestive tract & signs of nervous system depression.

#### HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute:: Irritation of eyes, skin and mucous membranes.

Chronic: Signs of nervous system depression.

## FIRST AID: EMERGENCY PROCEDURES -

<u>Eye Contact:</u> For direct contact, hold eyelids apart and flash the affected eye with clean water for 15 minutes. Seek medical attention.

<u>Skin Contact:</u> Remove contaminated shoes & clothing and cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation develops seek medical attention.

<u>Inhaled:</u> Move victim away from source of exposure and into fresh air. If symptoms persist seek medical attention.

<u>Swallowed:</u> No first aid is normally required. However if swallowed and symptom develops, seek medical attention. <u>COMMENTS</u> -This product has not been identified as carcinogen or probable carcinogen by NTP, IARC or OSHA.-Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage (sometimes referred to as solvent or painter's syndrome). Intentional misuse by deliberately concentrating or inhaling this product may be harmful or fatal.

#### **VI. REACTIVITY DATA**

Stability:: Stable

<u>Incompatibility (materials to avoid):</u> Incompatible with anhydride isocyanate, acetaldehyde, chlorine, ethylene oxide, hydrogen peroxide, aluminum & organometallic contaminates.

<u>Hazardous Decomposition products (including combustion products)</u>: Combustion may yield carbon monoxide and/or carbon dioxide.

Hazardous polymerization: Will not occur.

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

<u>Spill response procedures:</u>: Stay up wind and away from spill. Keep all sources of ignition away from spill. Do not flush area with water, use sand or inert materials to Dam and contain spills. Contact five authorities and appropriate Federal, State or local agencies.

Preparing wastes for disposal: Dispose of product in accordance with local, county, state & federal regulations.

## **VIII. SPECIAL HANDLING INFORMATION**

<u>Ventilation and engineering controls:</u> If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional ventilation or exhaust systems may be required where explosive mixtures may be present systems safe for such locations must be used.

<u>Respiratory Protection:</u> The use of respiratory protection is advised when concentration exceed the established exposure limits. Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and canisters (NIOSH approved, if available) or supplied air equipment.

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

Gloves: The use of gloves impermeable to the specific material handled is advised to prevent skin contact, possible irritation and absorption.

Other clothing and equipment: It is suggested that a source of clean water be available in work area for flushing eyes and skin. Impervious clothing should be worn as needed.

Work practices, hygienic practices: Practice personal cleanliness by prompt removal of solvent in contact with skin. Remove contaminated clothing promptly. Train all employees on special handling procedures prior to working with other products.

# 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. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged and promptly shipped to the supplier or a drum reconditioner. 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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Prepared By: A. O. KORKIN, Ph.D.