

# MATERIAL SAFETY DATA SHEET

# **I. PRODUCT INFORMATION**

Trade Name: Ink Hardener 235

Chemical names, common names: Oleoresinous varnish Manufacturer's Name: HURST CHEMICAL COMPANY. Address: 2500 San Fernando Road, Los Angeles, CA 90065

DOT CLASSIFICATION: Ink Additive, (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

<u>Chemical Names</u> <u>CAS Number</u> <u>ACGIH (TWA)</u> <u>OSHA (PEL)</u>
Aliphatic hydrocarbon 64742-46-7 5mg/m3 (mist) 5mg/m3 (mist)

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> < 1 <u>Specific Gravity:</u> 1.09 <u>Density lb/gal:</u> 9.17 <u>Solubility in water:</u> <1% <u>VOC Composite Partial Pressure, mm Hg at 20°C:</u> <1

<u>Evaporation rate (Bu Ac = 1):</u> <1 <u>Boiling Range °F:</u> 530-590

<u>Appearance and odor:</u> Amber color paste with oleoresinous odor <u>Volatile Organic Content (VOC,EPA Method 24):</u> 62 gm/l or 0.5 lb/gal

# **IV. FIRE AND EXPLOSION**

HAZARD RANKING

HMIS Health Hazard=1 0=Least 4=Extreme

HAZARD Flammability=1 1=Slight
CLASS Reactivity= 0 2=Moderate
Other = \Gloves & Safety Glasses 3 = High

Flash Point °F: 240 TCC Autoignition temperature, °F: n/a

Flammable limits in air, volume%: lower:1.1 upper n/a

Fire extinguishing materials: N/A water spray Yes carbon dioxide Yes foam

Yes dry chemical N/A 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> Wear breathing apparatus. 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 possible. Absorbed through skin: Possible skin irritant, and dermatitis.

Swallowed: Ingestion may cause local irritation of mouth, esophagus and stomach-.

#### HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: Irritation of eyes, skin and mucous membranes.

Chronic: No data available.

## FIRST AID: EMERGENCY PROCEDURES -

Eye contact: Flush eyes immediately with water for 15 minutes.

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 counter agents or induce vomiting.

SUSPECTED CANCER AGENT? - This product contains no ingredients which are listed in the Federal OSHA, NTP,

IARC, or CAL-OSHA lists of suspected carcinogenic chemicals.

## **VI. REACTIVITY DATA**

Stability: Stable under ordinary conditions of use and storage.

Incompatibility (materials to avoid): Oxidizing agents.

Hazardous decomposition products (including combustion products): Carbon dioxide /or 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 source. Contain spills for salvage or disposal. Minimize dilution water to control spill volume. Avoid run-off into sewers and ditches.

Preparing wastes for disposal: Consult federal, state, and local regulations controlling proper disposal of hydrocarbon based material

# **VIII. SPECIAL HANDLING INFORMATION**

Ventilation and engineering controls: Normal shop ventilation is adequate. Floor level 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: Prevent repeated or prolonged skin contact with rubber gloves.

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

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. "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. 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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