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Material Safety Data Sheet

NFPA Rating: Health = 2, Flammability = 2, Reactivity = 0
HMIS Rating: Health = 2, Flammability = 2, Reactivity = 0.

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SECTION I — IDENTITY AND MANUFACTURER'S INFORMATION (0697A)

Manufacturer's Name	HILLYARD INDUSTRIES	Product Name	450 GYM FINISH
Address	302 North Fourth Street St. Joseph, MO 64502	Date Prepared	April 24, 1992

Prepared by Regulatory Affairs Department

Emergency Telephone No.: CHEMTREC (800) 424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.)
Other Information Calls (816) 233-1321 (Ext. 303)

SECTION II — INGREDIENTS/IDENTITY INFORMATION

Components (Specific Chemical Identity; Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
Petroleum distillate (1)	8052-41-3	100 ppm	100 ppm	N.A.	25-30
Petroleum distillate	64742-88-7	100 ppm*	100 ppm*	N.A.	10-15
Petroleum distillate	64741-65-7	not est.	not est.	300 ppm-mfg.	3-8
Urethane resin	68514-58-9	not est.	not est.	N.A.	---
Uralkvd resin (NJ & PA trade secret)	41-0177680-5000345P	not est.	not est.	N.A.	---

(1) Regulated by OSHA, FL, IL, LA, MA, NJ, PA, RI

* Not established for this CAS #: use Stoddard solvent (CAS #8052-41-3) for PEL and TLV

SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	335°F	Specific Gravity (H ₂ O = 1)	25°C 0.89 39°C 0.88
Vapor Pressure (mm Hg.)	2.8	Percent Volatile By Volume (%)	49.8
Vapor Density (Air = 1)	4.8	Evaporation Rate (ethyl ether = 1)	slower than
Solubility in Water	negligible	Appearance and Odor	clear, light amber liquid; mineral spirit od

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Corr 102°F (T.C.C.)		0.9	N.A.

Extinguishing Media
Flammable Class II: Use foam, carbon dioxide, dry chemical fire fighting apparatus.
 Special Fire Fighting Procedures Full protective equipment including self-containing breathing apparatus. Water may be used to cool containers to prevent possible pressure buildup and autoignition or explosion when exposed to extreme heat. Notify authorities if liquid enters sewer and public waters. Dike fire control water for later disposal (see Section VII).
 Unusual Fire and Explosion Hazards Keep container closed and isolated from heat, electrical equipment sparks and flame. Liquid runoff to sewers may create fire/explosion hazard. Vapors may accumulate in confined spaces such as sewers, pits or sumps or inadequately ventilated areas. Heat or fire may cause container to explode. Never weld or use cutting torch on or near package.

SECTION V — PHYSICAL HAZARDS

Stability Unstable Conditions elevated temperatures
 Stable To Avoid

Incompatibility (Materials to Avoid)
 Avoid contact with strong acids and strong oxidizing agents.

Hazardous Decomposition Products Or Byproducts
 When exposed to fire, produces organic acids, carbon monoxide and carbon dioxide.

Hazardous Polymerization Will Not Occur Conditions To Avoid none known to Hillyard

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SECTION VI - HEALTH HAZARD DATA

4/24/92

Routes of Entry: Inhalation? yes Skin? yes Ingestion? no
Health Hazards (1. Acute and 2. Chronic) 1. Causes skin, nose and throat irritation. Product is primary skin irritant per Federal Hazardous Substance Act, CFR 16, chpt. IIc, para. 1500.41. It is not an eye irritant per FHSa, CFR 16, chpt. IIc, para. 1500.42. 2. May cause defatting of skin and dermatitis. Prolonged contact with skin may produce skin corrosion. Harmful if inhaled. Chronic overexposure leads to central nervous system depression and permanent brain and nervous system damage.

Chemical Listed as Carcinogen or Potential Carcinogen National Toxicology Program Yes No I.A.R.C. Monographs Yes No OSHA Yes No

This product has no carcinogens listed by IARC, NTP, NIOSH or ACGIH as of this date greater or equal to 0.1%. Signs and Symptoms of Exposure Excess inhalation may irritate nose and throat. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea; however, product did not induce mortality following oral administration at 5.0 g/kg.

Medical Conditions Generally Aggravated by Exposure Skin problems such as industrial dermatitis. Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be adversely affected by exposure to any vapor or airborne particulate matter. Acute inhalation studies of product at 17.1 mg/l. for 1 hour produced no abnormalities.

Emergency and First Aid Procedures In case of contact, immediately flush eyes and skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean contaminated shoes. If affected by inhalation of vapor, remove to fresh air. If swallowed get medical attention; consult a physician or poison control center immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled Eliminate sources of ignition (flames, hot surfaces; electric, static or friction sparks); ventilate area; avoid breathing of vapors; absorb with floor dry or similar inert material. Sweep or scrape up and put in appropriate container. Do not let spilled or leaking material enter watercourse. Notify authorities if liquid enters nearby water intakes. Notify local health and wildlife officials. Do not smoke when working with product.

Waste Disposal Method Dispose of in accordance with local, county, state and federal regulations. Incinerate regulated quantities in approved facility; do not incinerate closed container. EPA Hazardous Waste (per RCRA) Classification: Ignitable Liquid (40 CFR 261.21).

Precautions To Be Taken In Handling And Storing Keep container closed when not in use. Empty container may retain hazardous residue and explosive vapors; do not pressurize, cut, weld, braze, solder, drill or grind on or near container. Follow label warnings until container is thoroughly cleaned or destroyed. Other Precautions USE WITH ADEQUATE VENTILATION. Avoid breathing vapors or spray mist. Open windows and doors, use exhaust fans or other means to insure fresh air entry during application and drying. Refer to OSHA Standard 29 CFR 1910.94 for technical guidelines on keeping air contamination below acceptable exposure limits. Avoid contact with eyes, skin and clothing. Do not take internally. *

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type) Wear appropriate, properly fitted respirator (NIOSH or MSHA approved) unless air monitoring demonstrates vapor or mist levels are below applicable limits.

Ventilation at least 10 air chgs/hr. Local Exhaust recommended Mechanical (General) recommended Special N.A. Other N.A.

Protective Gloves impervious rubber gloves Eye Protection none required

Other Protective Clothing Or Equipment Non-absorbent protective clothing. If you experience eye watering, headache or dizziness, increase fresh air, wear respiratory protection or leave the area.

Work/Hygienic Practices Wash thoroughly after handling.

DISCLAIMER OF WARRANTIES

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY NATURE ARE MADE WITH RESPECT TO THE PRODUCT(S) OR INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET.

The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate.

THE BUYER OR USER ASSUMES ALL RISKS ASSOCIATED WITH THE USE, MISUSE OR DISPOSAL OF THIS PRODUCT. THE BUYER OR USER IS RESPONSIBLE TO COMPLY WITH ALL FEDERAL, STATE OR LOCAL REGULATIONS CONCERNING THE USE, MISUSE OR DISPOSAL OF THESE PRODUCTS.

* This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Sec. 313 of SARA Title III Emergency Planning and Community Right to Know Act of 1986 and 40-CFR Part 372.