

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 2, Flammability = 2, Reactivity = 0

HMIS RATING: Health = 2, Flammability = 2, Physical Hazard = 0

SECTION I -- IDENTITY AND MANUFACTURER'S INFORMATION

(563N05F)

Manufacturer's Name: HILLYARD INDUSTRIES

Product Name: 350 WOOD SEAL

Address: 302 North Fourth Street
St. Joseph, MO 64502

Date Prepared: March 30, 2011 (new)

Prepared by: Regulatory Affairs Department

Emergency Telephone No.: (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.8285)

<http://www.hillyard.com>

SECTION II -- INGREDIENTS/IDENTITY INFORMATION

Components (Specific Chemical Identity):

Common Names(s)	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Petroleum distillate (Stoddard Solvent) ⁽¹⁾	8052-41-3	100 ppm	100 ppm	N.A.	15-20
Petroleum distillate	64742-48-9	100 ppm*	100 ppm*	N.A.	10-15
Petroleum distillate	64742-95-6	100 ppm*	100 ppm*	N.A.	1-5
Octamethylcyclotetra Siloxane	556-67-2	N/E	N/E	10 ppm by mfg.	20-25
Urethane resin	68514-58-9	N/E	N/E	N.A.	---

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

(1)Stoddard solvent is regulated by OSHA and the following states: CA, FL, ID, IL, MA, MN, NJ, PA, WA, WI

V.O.C. = 350 gm/l.; V.O.C. = 2.92 lbs/gal.

N/A= Not Applicable N/E= Not Established

SECTION III -- PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point: >200°F

Specific Gravity (H₂O =1): 25°C =0.93 **Density =** 7.74 lbs/gl.

Vapor Pressure (mm Hg): 3.3

Percent Volatile by Weight (%): 58 – 59%

Vapor Density(Air = 1): 4.64

Evaporation Rate (ethyl ether = 1): slower than 1

Solubility in Water: negligible

Appearance and Odor: Clear, light amber liquid; mineral spirits odor

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash point: 114°F (T.C.C.)

Flammable Limits: LEL = 1.00 UEL = N.A.

Extinguishing Media: Use foam, carbon dioxide, dry chemical fire fighting apparatus.

Special Fire Fighting Procedures: Full protective equipment including self-contained 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. Avoid liquid runoff to sewer 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: Stable

Conditions to Avoid: elevated temperatures

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

Hazardous Decomposition Products or Byproducts: When exposed to fire, produces ammonia compounds, nitrogen oxides, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur

SECTION VI -- HEALTH HAZARD DATA

Routes of entry: Inhalation? Yes Skin? Yes Ingestion? Yes

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose and throat irritation. Prolonged overexposure can cause skin irritation. Notice: Reports have associated repeated and prolonged occupational overexposure to solvent with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. 2. Reports have associated repeated and prolonged occupational overexposure to solvent with permanent brain and nervous system damage

National Toxicology Program = No I.A.R.C. Monographs = No OSHA = No

This product has no carcinogens listed by IARC, NTP, NIOSH or ACGIH as of this date, greater than or equal to 0.1%.

HEALTH HAZARD DATA (CONTINUED)

Signs and Symptoms of Exposure: Overexposure may cause nose and throat irritation, eye and skin irritation, liver damage, kidney damage. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea; however, this is not likely because the thickness of the product makes it difficult to swallow.

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. Pre-existing eye, skin and respiratory disorders.

Emergency and First Aid Procedure: Eye and Skin: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean contaminated shoes. **Inhalation:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. **Ingestion:** do not induce vomiting. Call physician immediately.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Ventilate area. Use self-contained breathing apparatus or air mask for large spills in a confined area. Avoid eye and skin contact. Remove all sources of ignition (flames, hot surfaces; electric, static or friction sparks). Contain and remove with inert absorbent and non-sparking tools. Do not smoke when working with product. Do not pick up solution with automatic scrubber or wet pick-up vacuum.

Waste Disposal Method: Dispose of in accordance with state or local regulations. EPA Hazardous Waste (per RCRA) Classification; Ignitable liquid (40 CFR 261.21). Incinerate in approved facility; do not incinerate closed container. Do not dispose of in storm drains or waterways. 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.

Precautions To Be Taken In Handling And Storing: Keep away from heat, sparks and open flames. Keep container closed when not in use. Do not store above 120 °F. Based on the product flash point and vapor pressure, suitable storage should be provided in accordance with OSHA Regulation 1910.106. 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. **Notice:** Saw dust from freshly sanded floors or dust from wood floors that have been abraded between coats will spontaneously catch fire if improperly discarded. Immediately after abrading or sanding wood floors, place dust waste in a sealed, water-filled metal container and immediately remove from building. **Notice:** Rags or applicators soaked in a combustible liquid will spontaneously catch fire if improperly discarded. Immediately after using rags or applicators soaked in a combustible liquid, place waste in a sealed, water-filled metal container and immediately remove from building. **Other Precautions:** Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. USE ONLY WITH ADEQUATE VENTILATION. Do not breathe vapors or spray mist. **Ensure fresh air entry during application and drying.** If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor / mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use. Close container after each use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not take internally. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR Part 372.

SECTION VIII -- CONTROL MEASURES

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

Ventilation: At least 10 air changes per hour recommended.

Local Exhaust = Recommended **Mechanical (General) =** Recommended **Special =** N/A **Other =** N/A

Protective Gloves: Impervious rubber gloves **Eye Protection:** Resistant eyewear with splash guards

Other Protective Clothing or Equipment: Impermeable clothing

Work / Hygienic Practices: Wash clothing before reuse. Thoroughly clean contaminated shoes.

SECTION IX -- TRANSPORTATION INFORMATION

Applicable regulations: no 49 CFR; yes IMCO; yes IATA

Proper shipping name for air and foreign water: Paint, 3.3, UN1273, III **Proper shipping name for highway:** Varnish

UN No.: not applicable for highway **Limited Qty.:** not applicable **Hazard Class:** not applicable for highway

Labels required: not required for highway **DOT Exception:** not applicable

EPA Hazardous waste characteristics: **Ignitability =** yes; **Corrosivity =** not applicable; **Reactivity =** not applicable.

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