

**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 (550N-71A)****Manufacturer's Name:** HILLYARD INDUSTRIES**Product Name:** PRO 40**Address:** 302 North Fourth Street**Date Prepared:** June 16, 2011 (version 3)

St. Joseph, MO 64501

**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:**

<b>Common Name(s)</b>	<b>CAS#</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>OTHER LIMITS RECOMMENDED</b>	<b>%</b>
Petroleum distillate (Stoddard Solvent) <sup>(1)</sup>	8052-41-3	100 ppm	100 ppm	N/A	35-40
Aliphatic hydrocarbon Petroleum Naphtha	64742-88-7	100 ppm*	100 ppm*	N/A	15-20
Urethane alkyd resin	68514-58-9	N/E	N/E	N/A	---

(1) Regulated by OSHA and the following states: FL, ID, IL, LA, MA, MN, NJ, PA, RI, WA, WI

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

V.O.C. = 520 gm/l.

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

**\*SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b> 300°F	<b>Specific Gravity (H<sub>2</sub>O = 1):</b> 25°C = 0.870	<b>*Density=</b> 7.24 lbs/gal
<b>Vapor Pressure (mm Hg.):</b> 2.8	<b>*Percent Volatile by Weight (%):</b> 59 - 60	
<b>Vapor Density (AIR = 1):</b> 4.8	<b>Evaporation Rate (ethyl ether = 1):</b> slower than 1	
<b>Solubility in Water:</b> negligible	<b>Appearance and Odor:</b> transparent amber liquid; solvent odor	

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA****Flash point:** 101°F min. (Tag Closed Cup) **Flammable Limits:** LEL = 0.9 UEL = no data**Extinguishing Media:** Flammable Class II: Foam, carbon dioxide, dry chemical, water fog.**Special Fire Fighting Procedures:** Full protective equipment including self-contained breathing apparatus. If water is used, fog nozzles are preferable. Water may be used to cool container.**Unusual Fire and Explosion Hazards:** Keep container closed and isolated from heat, electrical equipment, sparks and flame. 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. Avoid water.**Hazardous Decomposition Products or Byproducts:** When exposed to fire produces organic acids, carbon dioxide and carbon monoxide.**Hazardous Polymerization:** Will not occur **Conditions to Avoid:** None known to manufacturer**SECTION VI – HEALTH HAZARD DATA****Routes of entry:** Inhalation? Yes Skin? Yes Ingestion? Yes**HEALTH HAZARDS (1. Acute and 2. Chronic)**

1. Causes eye, nose and throat irritation. Prolonged overexposure can cause skin irritation.

2. Chronic overexposure leads to central nervous system depression and permanent brain and nervous system damage. Prolonged overexposure can defat skin and lead to dermatitis.

**Chemical listed as Carcinogen or Potential Carcinogen:****National Toxicology Program =** No **I.A.R.C. Monographs =** No **OSHA =** No**Signs and Symptoms of Exposure:** Overexposure can lead to upper respiratory irritation; swallowing can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## SECTION VI – HEALTH HAZARD DATA cont.

**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 Procedures:** **Eyes:** Flush eyes with plenty of water for at least 15 minutes. **Skin:** Flush 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. **Inhalation:** Move to fresh air. **Ingestion:** If swallowed DO NOT INDUCE VOMITING; consult physician or poison control center immediately; treat symptomatically. If affected by inhalation of vapor remove to fresh air. If irritation persists get medical attention.

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps To Be Taken In Case Material Is Released Or Spilled:** Remove all sources of ignition (flames, hot surfaces; electric, static or friction sparks). Avoid breathing vapors. Ventilate area. 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 Classification: Ignitable Liquid. Incinerate in approved facility; do not incinerate closed container. Do not dispose of in storm drains or waterways.

**Precautions To Be Taken In Handling And Storing:** Since empty packages retain product residue, follow label warnings even after package is empty. Keep container closed when not in use. Do not store at temperatures above 110°F. 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. 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:** Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. 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. 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 or MSHA approved) unless air monitoring demonstrates vapor or mist levels are below applicable limits.

**Ventilation:** At least 10 air chgs./hr recommended.

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

**Protective Gloves:** Impervious rubber gloves **Eye Protection:** Chemical safety goggles

**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 contaminated clothing before reuse (including shoes).

## SECTION IX – TRANSPORTATION INFORMATION

**Applicable regulations:** CFR = no IMCO = yes IATA = yes

**Proper shipping name for air and foreign water:** Paint, 3, UN1263, 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.

## 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.**

**Version 3, \* Denotes revisions since last published MSDS. Supersedes Version 2 November 25, 2008**