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 (44427)

Distributor's Name: HILLYARD INDUSTRIES
Address: 302 North Fourth Street
St. Joseph, MO 64501
Product Name: BROWN
Date Prepared: May 24, 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 Name(s))	CAS #	OSHA TWA	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Mineral Spirits	8052-41-3	100 ppm	100 ppm	N/A	20-25
Mineral Spirits (non-exempt)	8052-41-3	100 ppm	100 ppm	N/A	15-20
Nepheline	37244-96-5	N/A	10 mg/m^3	N/A	15-20
Zirconium Drier (44% as Zirconium 2-Ethylhexanoate)	22464-99-92	5 mg/m^3	5 mg/m^3	N/A	1-5
Titanium Dioxide*	13463-67-7	N/E	N/E	N/A	0.5-3
Silica**	14808-60-7	(30)/(%SiO2+2) mg/m^3 TWA, total dust	0.025 mg/m^3 TWA, respirable fraction	N/A	0.1-1

No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR are Present
This material contains ingredients covered by the California "Safe Drinking Water and Toxic Enforcement Act of 1986"
*Contains TI02 which is listed by IARC as a possible human carcinogen (Group 2B) based on animal data. Neither long term animal studies, nor human epidemiology studies of workers exposed to TIO2 provide an adequate basis to conclude TIO2 is carcinogenic. TIO2 is not classified as a carcinogen by NTP, U.S. OSHA, or the U.S. EPA.
**WARNING! This product contains a chemical known in the State of California to cause cancer.
N/A= Not Applicable N/E= Not Established

SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 300 – 316 °F
Specific Gravity (H_20 = 1): 25°C = 1.02
Density= 8.49 lb/gl
Vapor Density Heavier than Air
Evaporation Rate Slower than Ether
Solubility in Water : Negligible
Appearance and Odor: Signal brown color liquid, aliphatic odor
Material VOC 3.65 lb/gl 438 g/l
Coating VOC 3.65 lb/gl 438 g/l

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash point: 103 °F (T.C.C.) **Flammable Limits in Air By Volume** Lower 1 Upper 6
Extinguishing Media: Foam, carbon dioxide, dry chemical
Special Fire Fighting Procedures: Full protective equipment and self contained breathing apparatus should be used. Water Spray may be ineffective. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion from heating.
Unusual Fire and Explosion Hazards: Handle as an ignitable liquid. Keep containers tightly closed and isolate from heat, electrical equipment, sparks or flame. Vapors form an explosive mixture in air between the upper and lower explosive limits. Avoid spontaneous combustion of soiled rags, steel wool, spray residue and other waste material contaminated with this product by immediately immersing them in a sealed, water-filled container prior to disposal.

SECTION V -- REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Excessive heat, all possible sources of ignition, poor ventilation, corrosive atmospheres, and excessive aging.
Incompatibility (Materials to Avoid): Alkaline materials, strong acids, and oxidizing materials.
Hazardous Decomposition Products or Byproducts: Thermal decomposition or combustion can produce fumes containing organic acids, carbon dioxide and carbon monoxide.
Hazardous Polymerization: Will not occur

SECTION VI -- HEALTH HAZARD DATA

Routes of entry: Inhalation? Yes Skin? Yes Ingestion? Yes
Inhalation Health Risks and Symptoms of exposure: Solvent vapor or mist can cause dizziness, breathing difficulty, headaches, irritation to nose and throat, loss of coordination. Continued over-exposure can lead to central nervous system depression.
Skin Absorption Health Risks and Symptoms of Exposure:
Liquid can be absorbed through the skin causing irritation, defatting, and dermatitis.
Ingestion Health Risks and Symptoms of Exposure:
Can Cause mouth, throat, esophagus and stomach irritation, nausea, vomiting and diarrhea.
HEALTH HAZARD DATA (ACUTE AND CHRONIC)
Reports have associated repeated or prolonged occupational overexposure to solvents with permanent brain and nerve system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

SECTION VI -- HEALTH HAZARD DATA continued
Chemical listed as Carcinogen or Potential Carcinogen:

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

This product contains carbon black which has been identified as a possible human carcinogen (IARC Group 2B Based on sufficient evidence for carcinogenicity in laboratory animal studies, but inadequate evidence for cancer in exposed humans). Normal application procedures pose minimal hazard since the carbon black is wet and encapsulated. Risk of cancer may be reduced by following recommended ventilation/control practices, and keeping below the TWA and/or TLV values listed in Section 2.
Medical Conditions Generally Aggravated by Exposure: Pre-existing eye, skin, liver, kidney and respiratory disorders.
Emergency and First Aid Procedures: Inhalation: Remove victim to fresh air. If a cough or other respiratory symptoms develop, seek medical attention. **Eye Contact**: Immediately flush with water for 15 minutes and seek medical attention. **Skin Contact**: Remove contaminated clothing. Wash skin with soap and water. If redness, itching, or burning sensation develops, seek medical attention. Wash contaminated clothing before reuse. **If Ingested**: Do Not Induce Vomiting. Contact physician or your local poison control center immediately. Never give anything by mouth to unconscious person.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE
Steps To Be Taken In Case Material Is Released Or Spilled: Eliminate all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks. Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools. Keep away from sewers. Collect absorbent/spilled liquid into metal containers. Dispose of in accordance with local, state, and federal regulations. Do not incinerate closed containers. Incinerate only in approved facilities.
Waste Disposal Method: Dispose of in accordance with state and federal regulations.
Precautions To Be Taken In Handling And Storing: Keep away from excessive heat, sparks or open flames. Keep containers closed when not in use. Store in cool, well ventilated approved areas. Use non-sparking tools when handling this material. Keep containers closed and upright when not in use.
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. Empty containers may retain hazardous residue and explosive vapors. **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.

SECTION VIII -- CONTROL MEASURES:
Respiratory Protection (Specify Type): Do not breath vapors or spray mist. Wear appropriate, properly fitted respirator (NIOSH/MSHA approved) during the use of this product until vapors and mist are exhausted, unless air monitoring demonstrates vapor and mist levels are below applicable exposure limits. Refer to OSHA Standard 29 CFR 1910.134
Ventilation: Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep air contamination concentration below lower explosive limit and applicable exposure limits. Refer to OSHA Standard 29 CFR 1910.94
Protective Gloves: Use chemical/solvent impermeable gloves to avoid contact with product.
Eye Protection: Avoid contact with eyes. Use safety eyewear with splash guards or side shields, chemical goggles, or face shields.
Other Protective Clothing or Equipment: Provide eyewash station. Avoid contact with eyes and skin.
Work / Hygienic Practices: Wash thoroughly after handling. Upon contact remove contaminated clothing and shoes; wash before reuse (including shoes).

SECTION IX - TRANSPORTATION INFORMATION:

DOT DOT by Land Transport: Not Regulated;
DOT by Air and IATA (all modes): Paint, 3, UN1263, PG III,
Label Required: Flammable Liquid
Applicable regulations: 49 CFR = No; **IMCO =** No; **IATA =** No.
EPA Hazardous waste number / code: D001
Spent or discarded material is a hazardous waste. The waste is ignitable.
Disposal Methods: Information in this MSDS is provided only as a guide. Consult with competent authority to determine proper waste disposal procedures. Clean up and dispose of waste and clean-up materials in accordance with all federal, state, and local environmental regulations

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