

MATERIAL SAFETY DATA

PRODUCT NAME: 1408 Premium Urethane Wood Flooring Adhesive HMIS CODES: H F R P
PRODUCT CODE: F1408 2 2 1 B
W.H.M.I.S. CLASSIFICATION: D2A, D2B, B3

SECTION 1 - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: ROBERTS CONSOLIDATED INDUSTRIES, INC.
ADDRESS: 300 Cross Plains Blvd. Dalton, GA 30720
EMERGENCY PHONE: (800)424-9300 (Chemtrec) INFORMATION PHONE: (706) 277-5294
DATE REVISED: 11/10/05 NAME OF PREPARER: M. King

SECTION 11 - HAZARDOUS INGREDIENTS/SARA 111 INFORMATION

	CAS Number	% by wt. Pel	TLV
Mineral Spirits	8052-41-3	0 – 10	100 ppm 100ppm
Reportable hazardous chemicals for SARA Title III Section 311, 312, 313:			
Polymeric Diphenylmethane Diisocyanate	9016-87-9	0- 10%ND	ND
Contained in this polymeric MDI product is 4,4'-diphenylmethane diisocyanate, CAS # 101-68-8, upper bound 20%			
OSHA PEL: 0.02 ppm ceiling 0.02 mg/m3 ceiling ACGIH TLV: 0.005 ppm TWA			

SECTION 111 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: ND SPECIFIC GRAVITY (H2O=1): 1.57 VAPOR DENSITY: Not determined
EVAPORATION RATE: Same as water. COATING V.O.C.: 88 G/L SOLUBILITY IN WATER: Insoluble
APPEARANCE AND ODOR: Light brown/tan mastic, slight aromatic odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 105°F. METHOD USED: T.C.C.
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 1.0 UPPER: 7.0
EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical
SPECIFIC FIREFIGHTING PROCEDURES: Full protective equipment with self-contained breathing apparatus should be worn. During a fire isocyanate monomer vapors and other irritating, highly toxic gases may be generated the thermal decomposition.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may cause flash fire. Vapors may travel along ground to remote ignition source and flash back. At temperatures greater than 400°F isocyanates can polymerize and decompose which can cause pressure buildup in closed containers. Explosive rupture is possible therefore, use cold water to cool fire-exposed containers.

SECTION V - REACTIVITY DATA

STABILITY: Stable CONDITIONS TO AVOID: Fire, excessive heat, and other ignition sources.
INCOMPATIBILITY: (Materials to avoid): Water, amines, strong bases, alcohols and strong oxidizing agents.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Emits dense acrid smoke, CO, CO2 and hydrocarbons of unknown structure upon combustion.
HAZARDOUS POLYMERIZATION: Will not occur under normal conditions but may occur through contact with moisture, other materials may react with isocyanates, or temperatures above 400°F may cause polymerization.

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Inhalation of high levels of vapors may cause irritation to upper respiratory tract, headache and dizziness; may be anesthetic and may cause other central nervous system effects. Isocyanates may cause an allergic reaction.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Isocyanates react with skin protein and moisture and can cause irritation or allergic reaction. Prolonged contact can result in skin sensitization. Vapors can cause burning in eyes and if left untreated, can cause corneal damage. Skin absorption may be harmful. May cause skin sensitization or other allergic responses. May cause pain, itching discomfort or dermatitis.
INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Not a likely route of entry under proper handling conditions. Can result in irritation and corrosive action in the mouth, stomach tissue and digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea.

HEALTH HAZARDS (Acute and Chronic): **Acute:** May lead to headache, dizziness and central nervous system effects. Irritating to eyes, skin and may cause dermatitis. Minimal toxicity from ingestion but aspiration may cause severe health effects (e.g.: Bronchopneumonia or pulmonary edema).
Chronic: It is unlikely but possible kidney disorders and or damage may occur from repeated overexposure. Health studies showed petroleum hydrocarbons pose potential risks, which vary person to person. As a precaution, overexposure to liquids or vapors should be minimized.

CARCINOGENICITY: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No
This product contains **no carcinogens** as listed by NTP, IARC and OSHA.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove victim to fresh air. If necessary trained personnel should administer oxygen or artificial respiration, seek medical attention immediately.
EYES: Flush with large amounts of water for 15 minutes holding eyelids open. See physician immediately.
SKIN: Remove with mineral spirits followed with soap and water. Consult physician if irritation develops.
INGESTION: Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Contact physician immediately. If breathing stops, administer artificial respiration.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small Spills: Use absorbent material or scrape up dried material and place into containers. Large Spills: Wear protective equipment. Eliminate all sources of ignition and ventilate spill area. Contain spill by diking to prevent spreading. Use absorbent material or scrape up dried material and place into containers. Prevent run-off to sewers, streams, lakes; notify local health officials of spill.

WASTE DISPOSAL METHOD: Destroy by liquid incineration at an approved facility. Do not incinerate sealed containers. Dispose according to Federal, State and local regulations. Dried materials only may be land filled.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep containers from excessive heat. Provide cross ventilation in storage area. Keep containers tightly closed when not in use. Keep out of reach of children. Keep away from heat and sparks.

OTHER PRECAUTIONS: Empty containers may be hazardous due to residual material.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Not required if ventilation is sufficient to keep vapors below TLV. If in doubt, under normal conditions of use, employ a NIOSH/MSHA approved chemical cartridge respirator.

PROTECTIVE GLOVES: Vitron, nitrile rubber, should be worn. **EYE PROTECTION:** Chemical goggles or face shield.

VENTILATION: General dilution ventilation of sufficient volume and patterns to keep vapors below TLV. Do not use closed air circulating system. Open windows and doors, as necessary.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: In instances of very high vapor concentrations, such as large spills in confined area, wear S.C.U.B.A.

WORK/HYGIENE PRACTICES: Standard hygiene and safe handling procedures are believed to be generally applicable.

SECTION IX – REGULATORY INFORMATION

All components are in TSCA inventory.

SECTION X - DISCLAIMER

DISCLAIMER: The information accumulated herein is believed to be accurate, but is not warranted to be whether originating with the company or not. However, each user should review and determine for themselves, the applicability of the information in the specific context of the intended use.

KEEP OUT OF REACH OF CHILDREN