MATERIAL SAFETY DATA SHEET Rev 41400.05B For Coating, Resins, and Related Materials NPCA 1-84 EMERGENCY TELEPHONE NO. MANUFACTURER'S NAME BENJAMIN MOORE & Co. 800-424-9300 (CHEMTREC) 51 CHESTNUT RIDGE RD. MONTVALE, NJ 07645
 DATE OF PREPARATION
 INFORMATION TH

 15-DEC-97 (Sup. 30-APR-97)
 201-573-9600
 INFORMATION TELEPHONE _____ SECTION I - PRODUCT ID ______ HMIS CODE SARA TITLE 312 PRODUCT CODE: 414|Acute:YESCLASS: SOLVENT THINNED PAINT|Health:2*|Chronic:YES| PRODUCT CODE: 414 NAME: IMPERVO SATIN FINISH VARNISH | Flammability: 2 | | Fire: YES | | Reactivity: 0 | | Pressure: NO | COLOR: ALL | Personal Prot.: | | React: NO For a complete description of HMIS and an explanation of the PERSONAL PROT: code, see Section XX. _____ SECTION II - HAZARDOUS INGREDIENTS _____ INGREDIENT MAX PCT CAS NO. TLV PEL STEL CEIL MM Hg TEMP Stoddard Solvent (fn) 59.7 8052413 100ppm 100ppm N/E N/E 2.0 @ 20 C Methyl Ethyl Ketoxime 0.2 96297 0.1mg/m3 N/E N/E N/E 2.0 @ 68 C (f) Silica, Amorphous (f*n) 3.3 7631869 10mg/m3 6mg/m3 N/E N/E N/A Bentonite Clay (f*) 1.3 121888662 0.1mg/m3 N/E N/E N/E N/A Ethyl Benzene (f3n) 0.1 100414 100ppm 100ppm 125ppm N/E 10 @ 20 C f Federal Hazard List * Hazardous only as dust when product is sanded. 3 Sect. 313 of the Emergency Planning & Community Right-To-Know Act of 1986 and of 40 CFR 37 n New Jersey Label Law hazardous chemical This product may contain small amounts of materials known to the State of California to cause cancer and reproductive harm. _____ SECTION III - PHYSICAL DATA _____ BOILING RANGE: 313- 405 F VAPOR DENSITY: HEAVIER THAN AIR WEIGHT PER GAL: 7.3 - 7.3

MSDS for 414 Impervo Satin Finish Varnish

EVAPORATION RATE: SLOWER THAN ETHER % VOLATILE VOLUME: 70.0 - 70.0 _____ SECTION IV - FIRE AND EXPLOSION HAZARD DATA _____ D.O.T. FLAMMABILITY CLASSIFICATION: COMBUSTIBLE FLASH PT.: 101 F PMCC LEL: 1.0% EXTINGUISHING MEDIA: FOAM CO2 DRY CHEMICAL WATER FOG UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may burst if exposed to extreme heat or fire. Toxic gases may form when product burns. SPECIAL FIREFIGHTING PROCEDURES: Do not use water stream on burning liquid. Cool exposed containers with water. Use self-contained breathing apparatus. _____ SECTION V - HEALTH HAZARD DATA _____ EFFECTS OF OVEREXPOSURE - ACUTE: Inhalation - Harmful if inhaled. May affect the brain or nervous system, causing dizziness, headache or nausea. Contact - Causes eye irritation. Contact - Causes skin irritation. Skin Absorption - Hazardous ingredients contained in this product have the capacity to be absorbed through the skin in sufficient quantities to cause systemic toxicity. See Safe Handling and Use Information (Section VIII). Ingestion - Irritation of the digestive tract and nervous system depression (drowsiness, dizziness, loss of coordination and fatigue). Aspiration Hazard -This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage. EFFECTS OF OVEREXPOSURE - CHRONIC: Skin Contact - Prolonged or repeated exposure may cause dermititis. Contains Methyl Ethyl Ketoxime (MEKO) which has been identified as a potential animal liver carcinogen. Currently, MEKO is not listed as potential carcinogen by IARC, NTP or OSHA. Contains: Ethyl Benzene which has been shown to cause cancer in male rats. NOTICE: Reports have associated permanent brain and nervous system damage with repeated, prolonged overexposure to solvents among persons engaged in the painting trade. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None expected when used in accordance with Safe Handling and Use Information (Section VIII). PRIMARY ROUTE (S) OF ENTRY: DERMAL INHALATION INGESTION EMERGENCY AND FIRST AID PROCEDURES: Inhalation - Remove from hazard area, maintain breathing, call physician. Skin Contact - Remove with soap and water. Eye Contact - Flush immediately with large amounts of water. Call physician. Ingestion - Drink 1 or 2 glasses of water to dilute. Do NOT induce vomiting. Call physician. _____ SECTION VI - REACTIVITY DATA

monoxide.

VENTILATION:

_____ STABILITY: STABLE HAZARDOUS POLYMERIZATION WILL NOT OCCUR HAZARDOUS DECOMPOSITION PRODUCTS: Burning may produce carbon dioxide and carbon CONDITIONS TO AVOID: Elevated temperatures and build up of vapors. INCOMPATIBILITY (MATERIALS TO AVOID): None reasonably foreseeable. _____ SECTION VII - SPILL OR LEAK PROCEDURES _____ STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Avoid breathing vapors. Use non-sparking tools to return materials to container. Absorb residue with Fuller's earth. WASTE DISPOSAL METHOD: Conventional procedures in compliance with local, state and federal regulations. Do not incinerate sealed containers. _____ SECTION VIII - SAFE HANDLING AND USE INFORMATION _____ RESPIRATORY PROTECTION: Wear a properly fitted vapor/particulate approved by NIOSH/MSHA for use with paints (TC-23C) during application or sanding and until all vapors and spray mist are exhausted. In confined spaces or in situations where continuous spray operations are typical, or if proper respirator fit is not possible, wear a positive-pressure, supplied air respirator (NIOSH/MSHA TC-19C). Adequate to maintain working atmosphere below T.L.V. and L.E.L. (See Sect. II for ingredient data and concentrations). Mechanical exhaust may be required in confined areas. Discharge exhaust only in area away from ignition sources. PROTECTIVE GLOVES: Solvent impermeable gloves are required. EYE PROTECTION: Splash goggles or safety glasses with side shields. OTHER PROTECTIVE EQUIPMENT: Clothing adequate to protect skin. HYGIENIC PRACTICES: Remove and wash clothing before reuse. Wash hands before eating, smoking or using the washroom. ______ SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Combustible - Keep away from heat and flame.

OTHER PRECAUTIONS: Use only with adequate ventilation. Avoid prolonged contact with skin and breathing of vapor spray mist or sanding dust. Close container after each use. Keep out of reach of children. Do not take internally.

SECTION XX

HMIS (Hazardous Materials Identification System) (R) NPCA

HMIS is a recognized workplace Hazard Communications System as required by OSHA (40 CFR 1910.1200). Information on establishing a complaint hazardous communication program using HMIS is available from:

```
American Lablemark Co., Inc., Labelmaster Division
5724 N. Pulaski Rd., Chicago, IL 60646
1-800-621-5808
```

The ratings assigned by Benjamin Moore & Co. are only suggested ratings; the contractor/ employee has ultimate responsibility for HMIS rating where this system is used. PERSONAL PROTECTION: This code is left blank on Benjamin Moore & Co. MSDS's as it depends on application technique and the workplace ventilation. Please read Sections II through IX of this MSDS before deciding on appropriate protective equipment and beginning work. There are codes available for this section which can be obtained from Labelmaster. Note: There are no SARA reportable materials in this product.