# Material Safety Data Sheet

For Coating, Resins, and Related Materials NPCA 1-84

**Manufacturer’s Name**
BENJAMIN MOORE & CO.

**Emergency Telephone No.**
800-424-9300 (CHEMTREC)

**51 Chestnut Ridge Rd.**

**Montvale, NJ 07645**

**Date of Preparation**
15-DEC-97 (Sup. 30-APR-97)

**Information Telephone**
201-573-9600

## Section I - Product ID

<table>
<thead>
<tr>
<th>HMIS Code</th>
<th>SARA Title 312</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRODUCT CODE: 414</th>
<th>HMIS Code</th>
<th>SARA TITLE 312</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLASS: SOLVENT THINNED PAINT</td>
<td>Health: 2*</td>
<td>Chronic: YES</td>
</tr>
<tr>
<td>NAME: IMPervo SATIN FINISH VARNISH</td>
<td>Flammability: 2</td>
<td>Fire: YES</td>
</tr>
<tr>
<td>COLOR: ALL</td>
<td>Reactivity: 0</td>
<td>Pressure: NO</td>
</tr>
<tr>
<td></td>
<td>Personal Prot.:</td>
<td>React: NO</td>
</tr>
</tbody>
</table>

For a complete description of HMIS and an explanation of the PERSONAL PROT: code, see Section XX.

## Section II - Hazardous Ingredients

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>MAX PCT</th>
<th>CAS NO.</th>
<th>TLV</th>
<th>PEL</th>
<th>STEL</th>
<th>CEIL</th>
<th>MM Hg</th>
<th>TEMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoddard Solvent (fn)</td>
<td>59.7</td>
<td>8052413</td>
<td>100ppm</td>
<td>100ppm</td>
<td>N/E</td>
<td>N/E</td>
<td>2.0 @ 20 C</td>
<td></td>
</tr>
<tr>
<td>Methyl Ethyl Ketoxime (f)</td>
<td>0.2</td>
<td>96297</td>
<td>0.1mg/m3</td>
<td>N/E</td>
<td>N/E</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Silica, Amorphous (f*n)</td>
<td>3.3</td>
<td>7631869</td>
<td>10mg/m3</td>
<td>6mg/m3</td>
<td>N/E</td>
<td>N/E</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Bentonite Clay (f*)</td>
<td>1.3</td>
<td>12188662</td>
<td>0.1mg/m3</td>
<td>N/E</td>
<td>N/E</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethyl Benzene (f3n)</td>
<td>0.1</td>
<td>100414</td>
<td>100ppm</td>
<td>100ppm</td>
<td>125ppm</td>
<td>N/E</td>
<td>10 @ 20 C</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>BOILING RANGE: 313- 405 F</th>
<th>VAPOR DENSITY: HEAVIER THAN AIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEIGHT PER GAL:</td>
<td>7.3 – 7.3</td>
</tr>
</tbody>
</table>
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
STABILITY: STABLE               HAZARDOUS POLYMERIZATION WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: Burning may produce carbon dioxide and carbon monoxide.
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).

VENTILATION:
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.