

M A T E R I A L   S A F E T Y   D A T A   S H E E T   Rev. 05B

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

Manufacturer's Name  
BENJAMIN MOORE & CO.  
51 CHESTNUT RIDGE RD  
MONTVALE, NJ 07645

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

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Information Telephone No.  
201-573-9600

18711  
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18580  
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SECTION I - PRODUCT ID

PRODUCT: 133,C133  
CLASS: SOLVENT THINNED PAINT  
NAME: IMPERVO ALKYD HIGH GLOSS METAL & WOOD ENAMEL  
COLOR: ALL

\*\* HMIS CODE \*\*  
HEALTH: 2\*  
FLAMMABILITY: 2  
REACTIVITY: 0  
PERSONAL PROT:

\*\* SARA TITLE 312 \*\*  
ACUTE: Y    CHRONIC: Y    FIRE: Y    PRESSURE: N    REACTIVITY: N

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

SECTION II    HAZARDOUS INGREDIENTS

INGREDIENT	HAZ	SARA	MAX %	CAS #	TLV	PEL	STEL	CEIL	MM Hg
Xylene	Y	Y	2.2	001330-20-7	100 ppm	100 ppm	150 ppm	N/E	21 @ 38C
Ethyl Benzene	Y	Y	1.5	000100-41-4	100 ppm	100 ppm	125 ppm	N/E	10 @ 20C
Bentonite Clay	Y	N	1.5	121888-66-2	.1 mg/M3	N/E	N/E	N/E	N/A
Titanium Dioxide	Y	N	25.6	013463-67-7	10 mg/M3	10 mg/M3	N/E	N/E	N/A
Hydrous Alum Silicates	Y	N	6.1	001332-58-7	10 mg/M3	10 mg/M3	N/E	N/E	N/A
Stoddard Solvent	Y	N	48.4	008052-41-3	100 ppm	100 ppm	N/E	N/E	2.0 @ 20
Methyl Ethyl Ketoxime	Y	N	.3	000096-29-7	0.1 ppm	N/E	N/E	N/E	2.0 @ 68
Zinc Oxide	Y	Y	2.4	001314-13-2	10 mg/M3	10 mg/M3	N/E	N/E	N/A
C.I. Yellow 11741	Y	N	5.5	006358-31-2	10 mg/M3	15 mg/M3	N/E	N/E	N/A
Iron Oxide	Y	N	3.7	001332-37-2	5 mg/M3	10 mg/M3	N/E	N/E	N/A
Quinacridone Red	Y	N	1.0	001047-16-1	10 mg/M3	15 mg/M3	N/E	N/E	N/A
Pigment Blue	Y	N	1.6	000147-14-8	1 mg/M3	1 mg/M3	N/E	N/E	N/A
C.I. Pigment Yellow 42	Y	N	5.0	051274-00-1	10 mg/M3	10 mg/M3	10ppm	N/E	N/A
C.I. Pigment Green 7	Y	N	2.3	001328-53-6	1 mg/M3	1 mg/M3	N/E	N/E	N/A
Carbon Black	Y	N	2.1	001333-86-4	3.5mg/M3	3.5mg/M3	N/E	N/E	N/A

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This product contains one or more reported carcinogens or suspected carcinogens which are noted NTP, IARC, or OSHA-Z in the other limits recommended column.  
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Note: This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding, or grinding.  
This product may contain small amounts of materials known to the State of California to cause cancer and reproductive harm.

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**SECTION III PHYSICAL DATA**

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BOIL RANGE: 340.0 to 406.0 WT/GL: 7.4 to 9.8 %VOL/VOL: 48.5 to 59.4

EVAPORATION RATE: SLOWER THAN ETHER VAPOR DENSITY: HEAVIER THAN AIR

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**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

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D.O.T. FLAMMABILITY CLASS.: COMBUSTIBLE FLASH POINT: 110 F PMCC  
LEL %: 1.0

EXTINGUISHING MEDIA: FOAM CO2 DRY CHEMICAL WATER FOG  
UNUSUAL FIRE AND EXPLOSION HAZARDS:

Toxic gases may form when product burns.  
Closed containers may burst if exposed to extreme heat or fire.

SPECIAL FIRE FIGHTING PROCEDURES:  
Cool exposed containers with water. Use self-contained breathing apparatus.  
Do not use water stream on burning liquid.

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**SECTION V HEALTH HAZARD DATA**

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**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 dermatitis.

Contains: Ethyl Benzene which has been shown to cause cancer in male rats.  
Inhalation - Irritating to respiratory tract.

Contains Methyl Ethyl Ketoxime (MEKO) which has been identified as a potential animal liver carcinogen. Currently, MEKO is not listed as a potential carcinogen by IARC, NTP or OSHA.

IARC has classified Carbon Black as possibly carcinogenic for humans (2B).

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.

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**SECTION VI REACTIVITY DATA**

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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.

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**SECTION VII SPILL OR LEAK PROCEDURES**

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**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 Fullers earth.

**WASTE DISPOSAL METHOD:**

Conventional procedures in compliance with local, state and federal regulations. Do not incinerate sealed containers.

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**SECTION VIII SAFE HANDLING AND USE INFORMATION**

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**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.

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**SECTION IX SPECIAL PRECAUTIONS**

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**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.

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**SECTION XX**

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**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 compliant hazardous communication program using HMIS is available from:

American Labelmark 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/employer 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.

This product contains at least one toxic chemical listed in Section II that is subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372.

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**DISCLAIMER**

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The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.