

M A T E R I A L S A F E T Y D A T A S H E E T Rev. 08B
 For Coating, Resins, and Related Materials NPCA 1-84
 Manufacturer's Name Emergency Telephone No.
 BENJAMIN MOORE & CO. 800-424-9300 (CHEMTREC)
 51 CHESTNUT RIDGE RD
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 Date Prepared Last Rev Date Information Telephone No.
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 For the most up-to-date MSDS information
 please visit our website www.benjaminmoore.com/msds/go.html

 SECTION I - PRODUCT ID

PRODUCT*: 227, n227	** HMIS CODE **
CLASS: SOLVENT THINNED PAINT	HEALTH: 2*
NAME: IRONCLAD SUPER SATIN FINISH	FLAMMABILITY: 2
COLOR: ALL	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.
 *NOTE: In the PRODUCT code a little n can be any capital letter of the
 alphabet except P or Q.

 SECTION II HAZARDOUS INGREDIENTS

INGREDIENT	HAZ	SARA	MAX %	CAS #	TLV	PEL	STEL	CEIL	MM Hg
Ethyl Benzene	Y	N	.2	000100-41-4	100 ppm	100 ppm	125 ppm	N/E	10 @ 20C
Magnesium Aluminum Silicate	Y	N	1.0	012174-11-7	10 mg/M3	N/E	N/E	N/E	N/A
Silica, Crystalline	Y	N	.1	014808-60-7	.1 mg/M3	.1 mg/M3	N/E	N/E	N/A
Titanium Dioxide	Y	N	23.9	013463-67-7	10 mg/M3	15 mg/M3	N/E	N/E	N/A
Silica, Amorphous	Y	N	1.0	007631-86-9	10 MG/M3	6 MG/M3	N/E	N/E	N/A
Hydrous Aluminum Silicates	Y	N	1.7	001332-58-7	2 Mg/M3	5 mg/M3	N/E	N/E	N/A
Calcium Carbonate	Y	N	32.7	000471-34-1	10 mg/M3	5 mg/M3	N/E	N/E	N/A
Methyl Ethyl Ketoxime	Y	N	.2	000096-29-7	0.1 ppm	N/E	N/E	N/E	2.0 @ 68

 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.

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.

SECTION III PHYSICAL DATA

BOIL RANGE: 370.0 to 405.0 WT/GL: 9.5 to 11.7 %VOL/VOL: 42.7 to 54.4
EVAPORATION RATE: SLOWER THAN ETHER VAPOR DENSITY: HEAVIER THAN AIR

SECTION IV FIRE AND EXPLOSION HAZARD DATA

D.O.T. FLAMMABILITY CLASS.: COMBUSTIBLE FLASH POINT: 119 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. 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.
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:
Contains: Crystalline Silica which has been determined to be carcinogenic to humans (1) by IARC when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to dust from sanding the dried paint or spray mist.
Skin Contact - Prolonged or repeated exposure may cause dermatitis.
Chronic lung conditions may be aggravated by exposure to high dust levels.
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.
IARC has classified Ethyl Benzene as possibly carcinogenic for humans (2B).
MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:
None expected when used in accordance with Safe Handling and Use Information (Section VIII).
Inhalation statement: Sanding dust inhalation may cause lung damage.
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.
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 Fullers 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 respirator approved by NIOSH for use with paints 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 approved by NIOSH.
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 (29 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.

Note: There are no SARA reportable materials in this product.

DISCLAIMER

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.

NOTICE: Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. Exposure to lead dust or fumes may cause adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-LEAD-FYI.