

002923 ✓

M A T E R I A L S A F E T Y D A T A S H E E T Rev M2200.07B

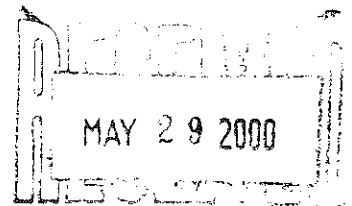
For Coating, Resins, and Related Materials NPCA 1-84

MANUFACTURER'S NAME
BENJAMIN MOORE & Co.
51 CHESTNUT RIDGE RD.
MONTVALE, NJ 07645

EMERGENCY TELEPHONE NO.
800-424-9300 (CHEMTREC)

DATE OF PREPARATION
15-DEC-97 (Sup. 02-MAY-97)

INFORMATION TELEPHONE
201-573-9600



=====

SECTION I - PRODUCT ID

=====

PRODUCT CODE: M22, CM22, DM22	HMIS CODE	SARA TITLE 312
CLASS: SOLVENT THINNED PAINT	Health: 2*	Acute: YES
NAME: URETHANE ALKYD GLOSS ENAMEL	Flammability: 2	Chronic: YES
COLOR: ALL	Reactivity: 0	Fire: YES
	Personal Prot.:	Pressure: NO
		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
Xylene (f3n)	1.4	1330207					
		100ppm	100ppm	150ppm	N/E	21	@ 38
Stoddard Solvent (fn)	47.5	8052413					
		100ppm	100ppm	N/E	N/E	2.0	@ 20
Titanium Dioxide (f*)	25.2	13463677					
		10mg/m3	10mg/m3	N/E	N/E		N/A
Methyl Ethyl Ketoxime (f)	0.3	96297					
		0.1ppm	N/E	N/E	N/E	2.0	@ 68
Bentonite Clay (f*)	1.6	121888662					
		0.1mg/m3	N/E	N/E	N/E		N/A
Silica, Crystalline (f*n)	0.1	14808607					
		.1mg/m3	.1mg/m3	N/E	N/E		N/A
C.I. Yellow 11741 (f*)	4.9	6358312					
		10mg/m3	15mg/m3	N/E	N/E		N/A
Hydrous Alum Silicates (f*)	5.3	1332587					
		10mg/m3	10mg/m3	N/E	N/E		N/A
Iron Oxide (f*n)	9.2	1332372					
		5mg/m3	10mg/m3	N/E	N/E		N/A
Carbon Black (f*n)	2.9	1333864					
		3.5mg/m3	3.5mg/m3	N/E	N/E		N/A
Barium Sulfate (f*)	16.6	7727437					
		10mg/m3	10mg/m3	N/E	N/E		N/A
Calcium Carbonate (f*)	6.7	471341					
		10mg/m3	5mg/m3	N/E	N/E		N/A
Talc (f*)	2.1	14807966					
		2mg/m3	2mg/m3	N/E	N/E		N/E
Ethyl Benzene (f3n)	0.2	100414					
		100ppm	100ppm	125ppm	N/E	10	@ 20
C.I. Pigment Yellow 42 (f*n)	8.2	51274001					
		10mg/m3	10mg/m3	100ppm	N/E		N/A
C.I. Pigment Green 7 (f*n)	1.5	1328536					
		1mg/m3	1mg/m3	N/E	N/E		N/A

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 know to the State of California to cause cancer and reproductive harm.

10

SECTION III - PHYSICAL DATA

BOILING RANGE: 172 to 405 F VAPOR DENSITY: HEAVIER THAN AIR
WEIGHT PER GAL: 7.5 - 9.6

EVAPORATION RATE: SLOWER THAN ETHER % VOLATILE VOLUME: 43.2 - 59.1

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

D.O.T. FLAMMABILITY CLASSIFICATION: COMBUSTIBLE FLASH PT.: 113 F PMCC
LEL: 1.0%

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 dermatitis.
Inhalation statement: Sanding dust inhalation may cause lung damage.
Contains: Ethyl Benzene which has been shown to cause dermatitis.
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. Contains Methyl Ethyl Ketoxime (MEKO) which has been identified as a potential animal liver carcinogen. Currently MEKO is not listed as a potential carcinogen 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 o
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 (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. 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 CR 372.