



SYRACUSE CITY SCHOOL DISTRICT

SCHOOL SERVICE CENTER
214 Park Avenue
Syracuse, New York 13204

In H+S Book

TO: Health & Safety Committee

FROM: Larry Fiorenza, Supt. of Facilities

DATE: November 4, 1994

RE: Water Based Latex Paint Use in Schools

From Material Data Safety Sheet (see attached):

Under an "overexposure" condition i.e., "breathing a spray mist or dust from sanding" eye irritation or irritation of the respiratory tract may result.

"When used in accordance with safe handling and use information, there are no known medical conditions aggravated by exposure."

No areas of the MSDS indicate any danger to building occupants not directly involved in spraying or sanding the products. Our normal application procedures do not involve spraying or sanding therefore, no danger exists to building occupants not directly involved with physical contact with the product.

There is nothing in the MSDS to indicate that the fumes or odors associated with this product are in anyway harmful or cause nausea or dizziness.

The odors associated with water based latex paint should not be confused with the odors from solvent based paints which can cause dizziness, nausea and headaches in an overexposure condition.

LF/g

Attachment

cc: Thomas Cappa - Asst. Supt. for Personnel and School Services
Victor Ciciarelli - Administrator - School Service Center

MATERIAL SAFETY DATA SHEET

Rev 27500

For Coating, Resins, and

MANUFACTURER'S NAME
 BENJAMIN MOORE & CO.
 51 CHESTNUT RIDGE RD.
 MONTIVALE, NJ 07645

EMERGENCY TELEPHONE NO. 800-424-9300

DATE OF PREPARATION
 25-JUN-90

INFORMATION TELEPHONE NO.
 201-573-9600

SECTION I - PRODUCT ID

PRODUCT CODE: 275
 CLASS: WATER THINNED PAINT
 NAME: MOORCRAFT VINYL LATEX FLAT
 COLOR: ALL

HMIS CODE
 Health: 1
 Flammability: 0
 Reactivity: 0
 Personal Prot.: B

SARA TITLE 312
 Acute: NO
 Chronic: NO
 Fire: NO
 Pressure: NO
 React: NO

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	MAX PCT	CAS NO.	TLV	PEL	STEL	CEIL	MM Hg
Titanium Dioxide (f*n)	15.8	13463677	10mg/m3	10mg/m3			N/A
Silica, Amorphous (f*n)	2.1	7631869	10mg/m3	6mg/m3			N/A
Talc (f*n)	13.9	14807966	2mg/m3	2mg/m3			N/A
Silica, Crystalline (f*n)	3.0	14808607	.1mg/m3	.1mg/m3			N/A
Hydrous Alum Silicates (f*)	9.9	1332587	10mg/m3	10mg/m3			N/A
Ethylene Glycol (f3n)	2.5	107211	50ppm	N/E		50ppm	.1 @
Calcium Carbonate (f*)	34.0	471341	10mg/m3	5mg/m3			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
 n New Jersey Label Law hazardous chemical

SECTION III - PHYSICAL DATA

BOILING RANGE: N/A VAPOR DENSITY: HEAVIER THAN AIR WEIGHT PER GAL: 10.7 - 12
 EVAPORATION RATE: SLOWER THAN ETHER % VOLATILE VOLUME: 59.2 - 68.5

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: NOT REGULATED FLASH POINT: >250°F PMCC
 LEL: Not Applicable
 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:
 Cool exposed containers with water. Use self-contained breathing apparatus.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - ACUTE:
 Inhalation - Irritation of the respiratory tract.
 Contact - Causes eye irritation.

Ingestion of large amounts could cause serious injury.

EFFECTS OF OVEREXPOSURE - CHRONIC:

Inhalation statement: Sanding dust inhalation may cause lung damage.
Crystalline silica has been classified as probably carcinogenic for humans (2A) by IARC.

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 to fresh air. Get medical help for any breathing difficulty.
Eye Contact - Flush thoroughly with water. Call physician.
Skin Contact - Wash with soap and water.
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
INCOMPATIBILITY (MATERIALS TO AVOID): None reasonably foreseeable.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Flush with water. Absorb with sawdust or rags.

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:
Use NIOSH approved respirator specified for protection against paint spray mist and sanding dust in restricted or confined areas.

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.

PROTECTIVE GLOVES: Waterproof during repeated contact.

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:
Do not throw or drop containers.

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

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
01-SEP-90

INFORMATION TELEPHONE NO.
201-573-9600

SECTION I - PRODUCT ID

PRODUCT CODE: 271,C271,D271
CLASS: SOLVENT THINNED PAINT
NAME: MOORCRAFT ALKYD SEMI-GLOSS
ENAMEL
COLOR: ALL

HMIS CODE	SARA TITLE 312
Health: 1*	Acute: NO
Flammability: 2	Chronic: YES
Reactivity: 0	Fire: YES
Personal Prot.: G	Pressure: NO
	React: NO

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	MAX PCT	CAS NO.	TLV	PEL	STEL	CEIL	MM Hg	TEMP
Stoddard Solvent (fn)	40.3	8052413	100ppm	100ppm				2.0 @ 20 C
Magnesium Aluminum Silicate (f*)	1.0	12174117	10mg/m3	N/E				N/A
Silica, Crystalline (f*)	0.5	14808607	.1mg/m3	.1mg/m3				N/A
Titanium Dioxide (f*n)	22.2	13463677	10mg/m3	10mg/m3				N/A
Hydrous Alum Silicates (f*)	12.4	1332587	10mg/m3	10mg/m3				N/A
Ethyl Benzene (f3n)	1.3	100414	100ppm	100ppm	125ppm			10 @ 20 C
Calcium Carbonate (f*)	33.0	471341	10mg/m3	5mg/m3				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 372
n New Jersey Label Law hazardous chemical

SECTION III - PHYSICAL DATA

BOILING RANGE: 370- 415°F VAPOR DENSITY: HEAVIER THAN AIR WEIGHT PER GAL: 9.4 - 10.7
EVAPORATION RATE: SLOWER THAN ETHER % VOLATILE VOLUME: 48.9 - 60.2

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

D.O.T. FLAMMABILITY CLASSIFICATION: COMBUSTIBLE FLASH POINT: 119°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.
 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.
 Crystalline silica has been classified as probably carcinogenic for humans (2A) by IARC.
 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:

Use NIOSH approved respirator specified for protection against paint spray mist, sanding dust and organic vapors in restricted or confined areas.

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 during repeated contact.

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.