

M A T E R I A L S A F E T Y D A T A S H E E T

I. IDENTIFICATION

MANUFACTURED BY: Diamond Vogel Paint
 1020 Albany Place SE
 Orange City, IA 51041

REVISED: 09/15/2009
 PRINTED: 09/22/2009

24 Hour Emergency Telephone
 CHEMTREC 1-800-424-9300

General Information:
 Mon-Fri 8 AM - 5 PM
 712-737-4993

PRODUCT LINE: Mult-E-Poxy 180 W/B (Part A)

LF-0203 Mult-E-Poxy 180 Silver Gray
 LF-0235 Mult-E-Poxy 180 Clear Base
 LF-1230 Mult-E-Poxy 180 Cotton White
 LF-1231 Mult-E-Poxy 180 White Base
 LF-1233 Mult-E-Poxy 180 Deep Base
 LF-3203 Mult-E-Poxy 180 Safety Yellow
 LF-4203 Mult-E-Poxy 180 Safety Orange
 LF-5200 Mult-E-Poxy 180 Red Oxide
 LF-5201 Mult-E-Poxy 180 Safety Red
 LF-6203 Mult-E-Poxy 180 Safety Green
 LF-7201 Mult-E-Poxy 180 Safety Blue
 LF-9201 Mult-E-Poxy 180 Jet Black

II. HAZARDOUS INGREDIENTS

| | | | |
|-----------------|------------------------------|---------------|--------|
| CAS #25068-38-6 | Bis A, Epichlorohydrin Epoxy | WT %: | 40-70 |
| ACGIH TLV: | NE | ACGIH STEL: | NE |
| OSHA PEL: | NE | OSHA CEILING: | NE |
| VAPOR PRESSURE: | .02mmHg@20C | LEL%: | NA |
| CAS #14807-96-6 | Talc (powder) | WT %: | 0-30 |
| ACGIH TLV: | 2 mg/m3 TWA (resp) | ACGIH STEL: | |
| OSHA PEL: | 20 mppcf TWA | OSHA CEILING: | |
| VAPOR PRESSURE: | | LEL%: | |
| CAS #68515-49-1 | Diisodecyl Phthalate | WT %: | 1-5 |
| ACGIH TLV: | NE | ACGIH STEL: | NE |
| OSHA PEL: | NE | OSHA CEILING: | NE |
| VAPOR PRESSURE: | .0 mmHg@68F | LEL%: | 0.3 |
| CAS #5131-66-8 | Propylene Glycol Butyl Ether | WT %: | 1-5 |
| ACGIH TLV: | NE | ACGIH STEL: | NE |
| OSHA PEL: | NE | OSHA CEILING: | NE |
| VAPOR PRESSURE: | .85mmHg@20C | LEL%: | 1.1 |
| CAS #108-65-6 | PropyGlycolMethylEtherAcet | WT %: | 0-2 |
| ACGIH TLV: | NE | ACGIH STEL: | NE |
| OSHA PEL: | NE | OSHA CEILING: | NE |
| VAPOR PRESSURE: | 3.7mmHg@20C | LEL%: | 1.5 |
| CAS #64742-94-5 | Aromatic 150 | WT %: | 1-5 |
| ACGIH TLV: | 10 ppm | ACGIH STEL: | 15 ppm |
| OSHA PEL: | 10 ppm | OSHA CEILING: | NE |
| VAPOR PRESSURE: | 0.5mmHg@20C | LEL%: | 0.8 |

Footnote: (1)

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|-----------------|--------------------|---------------|---------|------------|-----|
| CAS #1330-20-7 | Xylene | WT %: | 1-5 | Footnote: | (1) |
| ACGIH TLV: | 100 ppm | ACGIH STEL: | 150 ppm | OSHA PEAK: | NE |
| OSHA PEL: | 100 ppm | OSHA CEILING: | NE | | |
| VAPOR PRESSURE: | 7 mmHg@20C | LEL%: | 1 | | |
| | | | | | |
| CAS #100-41-4 | Ethyl Benzene | WT %: | 0.471 | Footnote: | (2) |
| ACGIH TLV: | 100 ppm | ACGIH STEL: | 125 ppm | OSHA PEAK: | NE |
| OSHA PEL: | 100 ppm | OSHA CEILING: | NE | | |
| VAPOR PRESSURE: | 10 mmHg@20C | LEL%: | 1 | | |
| | | | | | |
| CAS #14808-60-7 | Crystalline Silica | WT %: | 0.117 | Footnote: | (3) |
| ACGIH TLV: | 0.025 mg/m3 | ACGIH STEL: | NE | OSHA PEAK: | NE |
| OSHA PEL: | 10/(%SiO2+2) mg/m3 | OSHA CEILING: | NE | | |
| VAPOR PRESSURE: | NA | LEL%: | NA | | |

WARNING MESSAGES:

- (1) Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Chronic exposure may cause damage to the central nervous system, respiratory system, lung, eye, skin, liver, gastrointestinal tract, spleen, kidneys, and blood.
- (2) International Agency for Research on Cancer (IARC) Monograph Volume 77 (2000) concluded that Ethylbenzene is "possibly carcinogenic to humans (Group 2B)" based on inadequate evidence in humans and sufficient evidence in experimental animals.
- (3) International Agency for Research on Cancer (IARC) Monograph Volume 68 (1997) concludes that Crystalline Silica is "carcinogenic to humans (Group 1)" based on sufficient evidence in humans and experimental animals.
- (4) See Section IX for reportable Hazardous Air Pollutants.

III. PHYSICAL DATA

BOILING RANGE: 276-425° F

EVAPORATION RATE: * slower than ether *

PERCENT VOLATILE BY VOLUME: 14.06-17.99% WEIGHT PER GALLON: 9.56-12.61 LBS

VAPOR DENSITY: * heavier than air *

ACTUAL VOC (lb/gal): 1.03-1.32

EPA VOC (lb/gal): 1.03-1.33 EPA VOC (g/L): 123.44-159.39

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 31° C 87° F LEL: Refer to Section II

FLAMMABILITY CLASSIFICATION: CLASS 1C

HAZARD CLASSIFICATION: *Flammable Liquid

EXTINGUISHING MEDIA: Use water spray, dry chemical, foam, or Carbon Dioxide. Use water spray to cool fire-exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: keep away from heat, sparks, and flame.

SPECIAL FIRE FIGHTING PROCEDURES:

In case of fire and/or explosion do not breathe fumes. Use water spray to reduce vapors. If water pollution occurs, notify appropriate authorities. Wear NIOSH approved self-contained breathing apparatus with independent air supply. Keep containers cool with water spray. Avoid skin contact.

V. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section II.

EFFECTS OF OVEREXPOSURE:

Acute- Moderately irritating to the eyes and skin. Vapors may be mildly irritating to the nose, throat and respiratory tract and may be slightly toxic and harmful if inhaled or ingested.

Chronic- Repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis. Prolonged inhalation may result in central nervous system depression which may be evidenced by giddiness, headache, dizziness and nausea: in extreme cases, unconsciousness and death may occur.

This product contains crystalline silica which is classified as a Group 1 carcinogen by the International Agency for Research on Cancer (IARC). This category is used when there is sufficient evidence of carcinogenicity in humans. Crystalline silica may also cause delayed respiratory disease (silicosis) if inhaled over a long period of time. Avoid breathing dust. Use NIOSH/ MSHA approved respirator when TLV for crystalline silica may be exceeded.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Eye disease, Skin disorders and Allergies

PRIMARY ROUTE(S) OF ENTRY: Ingestion, Skin Absorption, Inhalation

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Restore breathing. Treat symptomatically. Consult a physician.

EYES: Flush immediately with large amounts of water for at least 15 minutes. Talk to a physician for medical treatment.

SKIN: Wipe off with towel. Wash with soap and water. Remove contaminated clothing.

INGESTION: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by a medical personnel. Never give anything by mouth to an unconscious person.

VI. REACTIVITY DATA

STABILITY: *stable* HAZARDOUS POLYMERIZATION: *will not occur*

INCOMPATIBILITY: * unknown *

HAZARDOUS DECOMPOSITION PRODUCTS: Fire, burning and welding may generate carbon monoxide, aldehydes, acids and other organic substances.

CONDITIONS TO AVOID: Avoid acid contamination and skin contact.
Keep containers tightly closed. No smoking or eating in handling area.

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (flames, hot surfaces and electrical, static or frictional sparks). Avoid breathing vapors. Ventilate area. Use non-sparking tools. Remove with inert absorbant.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: In confined areas of poor ventilation, use chemical cartridge respirator or self-contained breathing apparatus.

VENTILATION: Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV and LEL of most hazardous ingredient in Section II, below acceptable limit.

PROTECTIVE GLOVES: Impermeable gloves to prevent skin contact.

EYE PROTECTION:

Splash proof eye goggles. In emergency situations, use eye goggles with a full face shield.

OTHER PROTECTIVE EQUIPMENT:

Wear suitable clothing. Long sleeved clothing.

HYGIENIC PRACTICES: See Section V

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store near heat, sparks, flame, strong oxidizing agents or strong acids

OTHER PRECAUTIONS: Eye wash station and safety shower should be available

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LIST OF HAZARDOUS AIR POLLUTANTS SUBJECT TO THE PROVISIONS OF THE CLEAN AIR ACT, TITLE I SECTION 112 'National Emission Standards for Hazardous Air Pollutants':

| Ingredient | CAS # | Wt% of HAPS in product | Pounds HAPS/ Gal product |
|-----------------|--------------------|---------------------------|-----------------------------|
| ----- Xylene | ----- 1330-20-7 | ----- 2.1 % | ----- 0.2 |
