

**MATERIAL SAFETY
DATA SHEET**

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DATE PREPARED: 4/9/13

PRODUCT NAME: Deoxaluminite

HAZARDOUS CODES: 0 - INSIGNIFICANT 1 - SLIGHT 2 - MODERATE 3 - HIGH 4 - EXTREME

HEALTH: 2 **FLAMMABILITY:** 3 **REACTIVITY:** 1

INGREDIENTS

| IDENTITY | CAS NO. | % by wt. | OSHA PEL | TLV |
|-------------------------------|-------------|----------|----------|----------|
| Xylene | 1330-20-7 | 34 | 100 PPM | 100 PPM |
| Ethyl Benzene | 100-41-4 | 9.48 | 100 PPM | 100 PPM |
| Toluene | 108-88-3 | 9.99 | 200 PPM | 50 PPM |
| Butyl Alcohol | 71-36-3 | 3.49 | 100 PPM | NDA |
| VM&P Naptha | 64742-89-8 | 14.0 | 300 PPM | 300 PPM |
| Aluminum Flake (A) | 7429-90-5 | 8.92 | 15 mg/m3 | 10 mg/m3 |
| Aromatic Petroleum Distillate | 64742-95-4 | 5.06 | 100PPM | NDA |
| Resin solids | proprietary | 15.06 | NDA | NDA |

Data given on this MSDS pertains to the product in the liquid state only.

(A) indicates chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right- to-Know Act of 1986 (40CFR372)

PHYSICAL DATA

| | |
|---|---|
| BOILING POINT: 185-568F | FREEZING POINT: NA |
| SPECIFIC GRAVITY: .931 | VAPOR PRESSURE @ 20C: NA |
| VAPOR DENSITY: Heavier than air | SOLUBILITY IN WATER: Negligible |
| % SOLID BY WT/VOL: 23.83/16.8 | EVAPORATION RATE: Slower than ether |
| APPEARANCE AND ODOR: Silver liquid, pungent solvent odor | OTHER: VOC rating - 5.89 lbs/gal, Ph 5.6 |

FIRE AND EXPLOSION DATA

FLASH POINT (METHOD): 70F (TOC) 21.11C **FLAMMABLE LIMITS: LEL:** 1% **UEL:** 7.5%

EXTINGUISHING MEDIA: NFPA Class B fire extinguishers (carbon dioxide, dry chemical or foam), inert dry granular material (like sand), AFFF or protein foam.

DO NOT USE HALOGENATED EXTINGUISHING AGENTS. Hallin may react violently with aluminum particles. The use of water may be ineffective. Aluminum fire may react with water to form hydrogen gas. If using water, use only at a water fog setting, not a solid stream.

SPECIAL FIRE FIGHTING INSTRUCTIONS: Water spray may be ineffective. Use water to cool closed containers to prevent pressure buildup and autoignition. Product will float and can be reignited on surface of water. Self contained positive pressure breathing apparatus should be worn.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This material is highly volatile and gives off vapors which may travel along the ground or be moved by ventilation. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flames. Sealed containers may explode if exposed to extreme heat. Do not apply to hot surfaces. This product may become electrostatically charged during mixing or pouring. Bond and ground metal containers.

PRECAUTIONS FOR SAFE HANDLING

SPILL OR RELEASE: Remove all sources of ignition. Ventilate area of spill and adjacent low lying areas. Remove spilled product with inert absorbent non materials and non-sparking tools.

RECOMMENDED DISPOSAL: Dispose of according to local, state and federal regulations. Do not incinerate cans.

HANDLING AND STORAGE: Keep away from extreme heat or flame. Do not store at temperatures above 120F. Do not reseal container if water intrudes as explosive hydrogen may be generated. Maximum recommended shelf life 9-12 months from manufacture.

REACTIVITY

STABILITY: **STABLE:** xxxx

UNSTABLE: NA

CONDITIONS TO AVOID: NA

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers and strong acids.

HAZARDOUS POLYMERIZATION: **WILL OCCUR:** NA

WILL NOT OCCUR: xxxxxx

CONDITIONS TO AVOID: Keep away from high heat, flame, spark or static discharges. Container is not a pressure vessel.

HEALTH HAZARD DATA

EYE CONTACT: Liquid or vapor may cause moderate to severe irritation

SKIN CONTACT: May cause defatting and drying of skin, burning sensation or dermatitis

INHALATION: Inhalation of high concentrations of vapors may cause dizziness, breathing difficulty, headaches or respiratory irritation. Extremely high concentrations may cause drowsiness, staggering, confusion, unconsciousness or coma.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

CHRONIC HEALTH HAZARDS: Product contains xylene and toluene which have been found to cause anemia, liver abnormalities, kidney damage and eye damage in laboratory animals when prolonged conditions of overexposure existed. Xylene has been suggested as a cause of cardiac abnormalities in humans in conditions of overexposure. Reports have shown that repeated and prolonged occupational overexposure to paint solvents may cause permanent brain and nervous system damage. Product contains formaldehyde which has been found to cause cancer in laboratory animals.

CARCINOGENICITY: **NTP:** Yes

IARC: Yes

OSHA: Yes

SUGGESTED FIRST AID:

EYES: Flush with large quantities of water for 15 minutes, holding eyelids apart to flush entire area.

SKIN: Wash thoroughly with soap and water, and seek medical attention. Launder contaminated clothing before reuse.

INHALATION: Move person to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention.

INGESTION: DO NOT INDUCE VOMITING. Doing so may cause chemical pneumonitis and pulmonary edema. Contact a physician

CONTROL MEASURES

VENTILATION: General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below the TLV. Ventilation equipment must be explosion proof.

RESPIRATORY PROTECTION: If conditions produce vapor concentrations above the time weighted threshold limit values, use a NIOSH approved cartridge respirator to keep exposure below those threshold limit values. In poorly ventilated areas, use a fresh-air supplying respirator, a self-controlled breathing apparatus

EYE AND FACE PROTECTION: Use chemical safety glasses, goggles or face shield.

OTHER CLOTHING & EQUIPMENT: Use of aprons or protective clothing is recommended to reduce the likelihood of skin contact.

WORK/HYGIENIC PRACTICES: Good industrial hygiene practices should be followed. This includes preventing eye contact, minimizing skin contact and minimizing vapor inhalation. Availability of eye washes and shower facilities is recommended.

TRANSPORTATION

DEPARTMENT OF TRANSPORTATION (DOT) REQUIREMENTS:

UN #: 1263

PROPER SHIPPING NAME: Paint

CLASS: 3

PACKING GROUP: II

LABEL: Flammable Liquid

MFAG NUMBER: 310

EmS NUMBER: 3-05

SCHEDULE B COMMODITY NUMBER: 3208.90.0000 5

DISCLAIMER

THE INFORMATION GIVEN IN THIS MSDS IS GATHERED FROM STANDARD REFERENCE MATERIALS AND TEST DATA AND IS BELIEVED TO BE ACCURATE AND RELIABLE, BUT IT IS NOT GUARANTEED THAT THE PRECAUTIONS OR PROCEDURES MENTIONED ARE THE ONLY ONES THAT EXIST. D-C SALES & ENGINEERING, INC. MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, REGARDING THE USE OF THIS INFORMATION OR THE USE OF THE SPECIFIC PRODUCT IDENTIFIED, ALONE OR IN COMBINATION WITH ANY OTHER MATERIAL OR PROCESS AND SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM THE HANDLING OR CONTACT WITH THE PRODUCT.

NA - Not applicable

NDA: No data available