

MSDS

SECTION 1 – Chemical Product and Company Identification

U S CHEMICAL & PLASTICS
An Alco Industries Company
600 Nova Drive SE
Massillon, OH 44646
PH 330-830-6000 - FAX 330-830-6005

For Chemical Emergency:
CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666
(For Canada call collect)

PRODUCT NAME: Easywork Epoxy Primer
PRODUCT CODE: (999610), 2325-1, 2325-4
SYNONYM/CROSS REFERENCE: Paint
SCHEDULE B NUMBER: 3208.20.0000

SECTION 2 – Hazard Identification

OVEREXPOSURE EFFECTS:

ACUTE EFFECTS:

EYES: Contact with eyes can cause irritation, redness, tearing, blurred vision, and/or swelling.

SKIN: Contact with skin can cause irritation, (minor itching, burning and/or redness), dermatitis, defatting may be readily absorbed through the skin.

INHALATION: Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal. May be toxic.

INGESTION: Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

PRIMARY ROUTES OF EXPOSURE: Inhalation, skin, eyes

SECTION 3 – Composition, Information or Ingredients

<u>INGREDIENTS</u>	<u>WGT%</u>	<u>CAS #</u>
Xylene	5-10%	1330-20-7
Methyl Isobutyl Ketone	10-20%	108-10-1
Cyclohexanone	1-5%	108-94-1
Epoxy Resin	15-20%	25036-25-3
Barium Sulfate	5-10%	7727-43-7
Talc	5-10%	14807-96-6
Titanium Dioxide	5-15%	13463-67-7
Iron Oxide	1-5%	51274-00-1
Toluene	1-10%	108-88-3
Crystalline Silica	<1%	14808-60-7
Zinc Oxide	1-5%	1314-13-2
Ethyl Benzene	1-5%	100-41-4

SECTION 4 – First Aid Measures

INHALATION: If inhaled, remove victim from exposure to a well-ventilated area. Make them comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.

SKIN: For skin contact, wash promptly with soap and excess water.

EYES: For eye contact, flush promptly with excess water for at least fifteen minutes. Consult a physician.

INGESTION: If ingested, do not induce vomiting. Give victim a glass of water. Call a physician immediately.

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SECTION 5 – Fire-Fighting Measures

FIRE EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES: Fight like a fuel oil fire. Cool fire exposed containers with water spray. Firefighter should wear OSHA/NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Closed containers exposed to high temperatures, such as fire conditions may rupture.

SECTION 6 – Accidental Release Measures

SPILLS, LEAK OR RELEASE: Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

SECTION 7 – Handling and Storage

STORAGE AND HANDLING: Use with adequate ventilation. Harmful or fatal if swallowed. Avoid contact with eyes and skin. Avoid breathing vapors. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis, and oxidizers.

SECTION 8 – Exposure Controls and Personal Protection

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>TLV/PEL</u>
Xylene	1330-20-7	TLV 100 ppm, STEL 150 ppm
Methyl Isobutyl Ketone	108-10-1	TLV 50 ppm, PEL 50 ppm, STEL 75 ppm
Cyclohexanone	108-94-1	TLV 25 ppm skin, PEL 25 ppm skin
Epoxy Resin	25036-25-3	N/E
Barium Sulfate	7727-43-7	TLV 10 mg/m ³
Talc	14807-96-6	TLV 2 mg/m ³
Titanium Dioxide	13463-67-7	TLV 10 mg/m ³
Iron Oxide	51274-00-1	TLV 10 mg/m ³
Toluene	108-88-3	TLV 100ppm, STEL 150 ppm
Crystalline Silica	14808-60-7	TLV 0.1 mg/m ³ , PEL 0.1 mg/m ³
Zinc Oxide	1314-13-2	TLV/PEL = N/E
Ethyl Benzene	100-41-4	TLV : 100 ppm, STEL : 125 ppm

RESPIRATORY PROTECTION: If component exposure limits are exceeded, use NIOSH/MSHA approved air purifying or fresh air supplied respirator to remove vapors. Use an air-supplied respirator if necessary.

VENTILATION: Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels. Explosion-proof ventilation may be necessary.

PROTECTIVE GLOVES: To prevent prolonged exposure use rubber gloves; solvents may be absorbed through the skin.

EYE PROTECTION: Safety Glasses or goggles with splash guards or side shields.

OTHER PROTECTIVE EQUIPMENT: Wear protective clothing as required to prevent skin contact.

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SECTION 9 – Physical and Chemical Properties

FLASH POINT: 60°F/16°C Seta Flash Closed cup
LOWER FLAMMABLE LIMIT %: N/E
UPPER FLAMMABLE LIMIT %: N/E
APPEARANCE: Gray liquid
SPECIFIC GRAVITY: 1.45
VAPOR PRESSURE (mmHG): N/E
BOILING POINT: N/E
VAPOR DENSITY: Heavier than air
EVAPORATION RATE (Ethyl Ether = 1): Slower than Ethyl Ether
VOLATILES BY WEIGHT: Approximately 40 %
SOLUBILITY IN WATER: Slight
VOC (less water & exempts):
As packaged: Grams/liter = 523; Lbs/Gallon = 4.37
When blended 1:1 with Part B Activator #2375: Grams/liter = 564; Lbs/Gallon = 4.71

SECTION 10 – Stability and Reactivity

STABILITY: Stable
CONDITIONS TO AVOID: Open flames, sparks, heat, electrical and static discharge.
INCOMPATIBILITY MATERIALS TO AVOID: Strong acids, alkalis, oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide, and Carbon.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – Toxicological Information

CHRONIC EFFECTS:

Overexposure to this material has apparently been known to cause the following effects in lab animals:
Anemia, liver abnormalities, kidney, eye, and central nervous system damage.

CARCINOGEN: YES NO

TERATOGEN: YES NO

MUTAGEN: YES NO

CRYSTALLINE SILICA/IARC

This product contains Crystalline Silica (CS), which is considered a hazard by inhalation. CS is a known cause of silicosis, a non-cancerous lung disease. In 1997, IARC reclassified CS in the form of quartz from a group 2A - “probable human carcinogen” to a group 1 “known human carcinogen”. In 1991, NTP concluded that CS may reasonably be anticipated to be a carcinogen, based on sufficient evidence in experimental animals and limited evidence in humans. OSHA does not regulate CS as a carcinogen.

SECTION 12 – Ecological Information

N/E

SECTION 13 – Disposal Considerations

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

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SECTION 14 – Transport Information

For Ground Transport: In USA

Consumer Commodity ORM-D in cases with inner containers 1 gallon or less.

For Air Transport:

Must be re-boxed to UN specified packaging.

UN1263, Paint, 3, PG II

Packing Instruction 305, 307

For Ocean Transport:

With inner containers of 5L or less:

UN1263, Paint, 3, PG II, F/P 16C

EMS # F-E, S-E

In limited quantity

SECTION 15 – Regulatory Information

CALIFORNIA PROPOSITION 65:

This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

SECTION 313 SUPPLIER NOTIFICATION:

This product contains the following toxic chemicals subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CHEMICAL NAME</u>	<u>CAS</u>	<u>% BY WGT</u>
Xylene	1330-20-8	5-10%
Methyl Isobutyl Ketone	108-10-1	10-20%
Toluene	108-88-3	1-10%
Ethyl Benzene	100-41-4	1-5%

This information must be included in all MSDS that are copied and distributed for this chemical.

DO NOT FLAME CUT, WELD OR MELT EMPTY CONTAINERS.

SECTION 16 – Other Information

HMIS RATING:	Health	2	4 = Extreme
	Fire	3	3 = High
	Reactivity	1	2 = Moderate
			1 = Slight
			0 = Insignificant

Personal Protection - See Section VIII

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ABBREVIATIONS

IARC	= International Agency for Research on Cancer
ACGIH	= American Conference of Governmental Industrial Hygienists
NIOSH	= National Institute of Occupational Safety and Health
TLV	= Threshold Limit Value
PEL	= Permissible Emission Level
DOT	= Department of Transportation
NTP	= National Toxicology Program
N/AV	= Not Available
N/AP	= Not Applicable
N/E	= Not Established
N/D	= Not Determined

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REVISION: Section 3, 8

The information in the Material Safety Data Sheet has been compiled from our experience and from data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the Company to make sure that the MSDS is the latest one issued.