

U S CHEMICAL & PLASTICS*An Alco Industries Company*

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For Chemical Emergency

CHEMTREC: 1-800-424-9300

CANUTEC: 1-613-996-6666

(For Canada call collect)

SECTION I - IDENTIFICATION OF PRODUCT

PRODUCT NAME: UNDERCOATING
PRODUCT CODE: 51333
SYNONYM/CROSS REFERENCE: Undercoating
SCHEDULE B NUMBER: 2715.00.0000

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	WGT%	CAS #	TLV/PEL
Asphalt	10-20%	8052-42-4	N/E
Aluminum Silicate	5-10%	1332-58-7	TLV 2 mg/m ³ as respirable dust PEL 5 mg/m ³ as respirable dust
Calcium Carbonate	5-15%	1317-65-3	TLV 10 mg/m ³ as dust PEL 15 mg/m ³ as dust
Mineral Spirits	1-5%	64742-47-8	TLV/PEL 100 ppm
Toluene	1-5%	108-88-3	TLV/PEL 100 ppm
Propane	10-20%	74-98-6	TLV 2500 ppm PEL 1000 ppm
n-Butane	5-10%	106-97-8	TLV/PEL 800 ppm
Methanol	1-3%	67-56-1	TLV/PEL 200 ppm
Ammonia	<1%	1336-21-6	PEL 50 ppm TLV 25 ppm

SECTION III - PHYSICAL DATA**APPEARANCE:** Black Viscous Liquid with Solvent**SPECIFIC GRAVITY:** 0.77 to 0.90**VAPOR PRESSURE (mmHG):** N/E**BOILING POINT:** 1.75F to 220F**VAPOR DENSITY:** Heavier than air**EVAPORATION RATE (Ethyl Ether = 1):** Slower than Ethyl Ether**VOLATILES BY VOLUME:** 56.2%**SOLUBILITY IN WATER:** Insoluble**VOC:** <40% by weight (less federally exempt solvents)

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SECTION IV - FIRE AND EXPLOSION DATA

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FLASH POINT: -2°F/-19°C Seta Flash Closed cup (Propellant)

LOWER FLAMMABLE LIMIT %: N/E

UPPER FLAMMABLE LIMIT %: N/E

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 explode.

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SECTION V - HEALTH HAZARD/TOXICOLOGICAL PROPERTIES

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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 thru 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.

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

CHRONIC EFFECTS:

Overexposure to this material has apparently been known to cause the following effects in lab animals: May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long-term exposure (years) to high concentrations of vapor may cause lung, liver, or kidney damage. The solvents listed have been reported to affect the central nervous system.

CARCINOGEN: YES _____ NO X

TERATOGEN: YES _____ NO X

MUTAGEN: YES _____ NO X

TOLUENE STATEMENT (API STUDY, 1986)

Prolonged breathing of 2,000 ppm Toluene by pregnant rats was toxic to their fetuses (reduced body weight, delayed ossification, skeletal variations, but was not teratogenic.

PRIMARY ROUTES OF EXPOSURE: inhalation, skin

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

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.

SECTION V I - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Open flames, sparks, heat, electrical and static discharge.

INCOMPATIBILITY MATERIALS TO AVOID: None known

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide and Carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII - SPILL AND DISPOSAL PROCEDURE

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

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

SECTION VIII - PROTECTION INFORMATION

RESPIRATORY PROTECTION: If component TLV limits are exceeded, use NIOSH/MSHA approved 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.

SECTION IX - HANDLING AND STORAGE PRECAUTIONS

STORAGE AND HANDLING: Use with adequate ventilation. 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.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal

SECTION X - ADDITIONAL INFORMATION

WARNING! This product contains Toluene, a chemical known to the State of California to cause birth defects or other reproductive harm.

SHIPPING INFORMATION: Please comply with DOT regulations in USA

HMIS RATING:

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

Personal Protection - See Section VIII

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>
Toluene	108-88-3	1-5%

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS's THAT ARE COPIED AND DISTRIBUTED FOR THIS CHEMICAL

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ABBREVIATIONS

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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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DATE REVIEWED: November 22, 2006
DATE REVISED: November 22, 2006
REVISION: Sections II, III, IV, X

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.