

MATERIAL SAFETY DATA SHEET

DAS
3610 Cinnamon Trace Dr.
Valrico, FL 33594

INFORMATION: (800) 549-6024
EMERGENCY CONTACT: Chemtrec 1-800-424-9300
FAX NO: (813) 681-5807

SECTION I: CHEMICAL & PRODUCT IDENTIFICATION

PRODUCT NAME: DAS Curb Marker Adhesive

PRODUCT CODE: DAS-222

SECTION 2: COMPOSITION & PRODUCT INFORMATION ON HAZARDOUS INGREDIENTS

REPORTABLE COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	WEIGHT PERCENT
*Toluene Alkyd Resin	108-88-3	100 ppm None Est.	50 ppm None Est.	30/35 % 65/70 %

*SARA 313 Reportable

SECTION 3: HAZARDS IDENTIFICAION

HMIS CODES: H: 2 F: 3 R: 0 P: H
NFPA CODES: H: 2 F: 3 R: 0

POTENTIAL HEALTH EFFECTS:

EYE CONTACT:
May burn and irritate eyes and mucus membranes.

SKIN CONTACT:

May cause dermatitis and defatting of the skin.

SKIN ABSORPTION:

Dermatitis and defatting of the skin. Skin absorption is unlikely due to the volatility of the product used as advised.

INGESTION:

Harmful or fatal if swallowed.

INHALATION:

May cause central nervous system depression. Inebriation, followed by headache and nausea. In severe cases dizziness, convulsions, cardiac arrhythmia and unconsciousness. Anorexia and nervousness may persist for several months following acute overexposure.

CARCINOGEN:

No

TARGET ORGANS:

Kidney and Liver

SECTION 4: FIRST AID MEASURES

INHALATION:

Remove to fresh air if overcome. If breathing has stopped begin CPR. Call a physician at once.

EYE CONTACT:

Flush with water for 15 minutes.

SKIN CONTACT:

Wash with hand cleaner; follow with soap and water.

INGESTION:

Do not induce vomiting. Call physician at once.

Note to physician: Contains petroleum distillates. If concentrated and inhaled Toluene may cause cardiac arrhythmias. Use of epinephrine may be contra-indicated.

PRIMARY ROUTES OF ENTRY:

Inhalation: Yes

Skin: Yes

SECTION 5: REACTIVITY DATA

FLASH POINT: 45°F Tag Closed Cup

GENERAL HAZARD:

Extremely Flammable. May form combustible or explosive mixtures with air. Closed containers may explode if exposed to extreme heat. Vapors are heavier than air and may travel considerable distances to ignition sources and flash back.

FIRE FIGHTING INSTRUCTIONS:

Water spray may be ineffective but may be used to cool closed containers. If water is used, use fog nozzles.

FIRE FIGHTING EQUIPMENT:

NFPA Class B extinguishers (CO₂, Foam, Dry Chemical) and self-contained breathing apparatus

COMBUSTION PRODUCTS:

Smoke, Normal Combustion Products

SECTION 6: ACCIDENTAL RELEASE MEASURES

If spill/release in excess of EPA reportable quantities is made into the environment immediately notify the National Response Center @ 800-424-8802.

LAND SPILL:

Remove all sources of ignition, ventilate area and remove material with absorbents and/or non-sparking tools.

WATER SPILL:

Use absorbent booms to dike area and minimize area of contamination.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

GENERAL:
Keep material away from heat, spark and open flame. Do not store in open or unlabeled containers. Use with adequate ventilation. Do not store above 120°F. Containers should be grounded when pouring. Avoid free fall of liquids. Do not cut, braze or weld. For industrial use only. Keep out of the reach of children. Read product label and observe all precautions before use.

SECTION 8: EXPOURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS:
Local Exhaust: Preferable
Mechanical Exhaust: Acceptable-Use only
Class I Group D Approved Devices

Personal Protection: OSHA PEL: 100 ppm
Respiratory Protection: Ventilate to keep vapors below TLV. NIOSH approved respirators for areas of concentrated vapors.
Eyes: Splash goggles for liquid products
Gloves: Must be impervious to solvents

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity	1.20	Vapor Pressure @ 20°C (mm of mg)	24
Density	10.01	Physical State	Paste
Vapor Density	3.2	% Volatile by Volume	46.49
Evaporation Rate (nBuAc=1)	1.9	Flashpoint	Tag Closed Cup 45°F
Solubility in Water	Insoluble	Boiling Range (F)	231/232°F
Explosion/Flammable Limits	(LEL) 1 (UEL) 7%		
Volatile Organic Compounds (VOC)	404.0 g/liter	3.37 lbs/gal	
Appearance and Odor	White, Black, Grey Paste with Solvent Odor		

SECTION 10: STABILITY AND REACTIVITY DATA

GENERAL: This product is stable and hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Avoid strong oxidizing agents. Avoid all sources of ignition. Vapors are heavier than air and may travel a considerable distance to an ignition source and flashback.

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION 11: TOXICOLOGICAL INFORMATION

Not identified as a carcinogen by NTP, IRAC or OSHA

SECTION 12: ECOLOGICAL INFORMATION

None Known

SECTION 13: DISPOSAL CONSIDERATIONS

This material is considered a hazardous waste for disposal purposes. See 40 CFR Part 261.7 for further information concerning the disposition of empty containers. Hazardous wastes may not be land filled! Refer to 40 CFR Part 261 subpart C for definitions of hazardous waste.

SECTION 14: TRANSPORTATION INFORMATION

DOT SHIPPING NAME: Adhesive

DOT HAZARD CLASS: 3

UN ID NUMBER: UN1133**APPLICABLE PACKING GROUP NUMBER:** II

SPECIAL DOT INFORMATION: When packaged as caulking tubes in cardboard outer cartons this material may be shipped under the 173.150 packaging exemption for limited quantities authorized in 172.101 for adhesives containing a flammable liquid. When shipped as a limited quantity, DOT shipping labels and placards are not required, but the material must be described on the bill of lading by its proper shipping description, hazard class, UN id number and packing group number followed is the limited quantity (LTD. QTY.) designation.

SECTION 15: REGULATORY INFORMATION

OSHA STATUS: Hazardous**CERCLA REPORTABLE QUANTITY:** None**SARA TITLE III:**

SECTION 302: Extremely Hazardous Substances: None

SECTION 311/312: 311 Yes 312 Yes

SECTION 313: Contains 33.67 % Toluene which is reportable

RCRA STATUS:

If discarded in its purchased form, this product is a RCRA Hazardous Waste. It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or residue of the product remains classified a hazardous waste per 40 CFR 261, subpart C. State or local regulations may also apply if they differ from the federal regulation.

SECTION 16: DISCLAIMER

All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Super Fund Amendments and Reauthorization Act (SARA) of 1906 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this Material Safety Data Sheet shall include this statement.