

MATERIAL SAFETY DATA SHEET

DAS
 3610 Cinnamon Trace Dr.
 Valrico, FL 33594

*Glue for
 Survey Targets!!*

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	108-88-3	100 ppm	50 ppm	30/35 %
Alkyd Resin		None Est.	None Est.	65/70 %

*SARA 313 Reportable

SECTION 3: HAZARDS IDENTIFICATION

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		