

MATERIAL SAFETY DATA SHEET

Product: Brushable Seam Sealer

Date: 1st March 2005

Product code: SEALER-GREY

1.

Company Details
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2.

Composition/Information on ingredients			
Global description			
Components that may contribute to hazards			
Name	Range W/W%	R-phrases	Symbol
Toluene 108-88-3	<50	11-20	F Xn

3.

Hazards identification	
Specific hazards	
R-phrases	Description
11 20	Highly flammable Harmful when inhaled

4.

First-Aid measures	
Inhalation	Remove the affected person to fresh air. If there is difficulty with breathing give oxygen and obtain medical attention urgently.
Skin	Toluene vapour and liquid are moderate skin irritants. Prolonged or repeated contact can give rise to severe irritation or cause dermatitis. Wash contaminated skin immediately with hand cleaner, soap and water.
Eyes	Toluene vapour can irritate the eyes and splashed liquid can cause irritation and transient, mild conjunctivitis. Flush with water for at least 15 minutes and obtain medical attention urgently.
Ingestion	The main hazard of swallowing Toluene is aspiration into the lungs and consequent chemical pneumonitis. Obtain medical attention urgently. Do not induce vomiting.

5.

Fire-Fighting measures	
Extinguishing media	
Use	Dry powder, Polar solvent foam. Carbon dioxide anhydride
Don't use	Pressurized water fire extinguisher
Specific hazards Intact packaging could explode	
Preparation contains polymers, which may give rise to toxic and combustion products such as oxides of nitrogen and carbon monoxide.	
Specific methods	
Risk of containers bursting in a fire-causing explosion. Keep containers cool by spraying with water.	
Protection of firefighters	

Wear self-contained breathing apparatus.

6.

Accident release measures	
Personal precautions	Avoid contact with skin and eyes and avoid breathing the vapours. Wear goggles, gloves and respiratory protection where there is a risk of exposure to high vapour concentrations.
Environmental precautions	Prevent liquid entering sewers, basements and work pits where vapour may create an explosive atmosphere. If substance has entered drains inform police or fire service.
Methods for cleaning-up	Take up spills with sand or earth and then remove to suitable place for subsequent disposal.

7.

Handling and storage	
Handling	Avoid inhaling vapours; avoid contact with skin and eyes. Handle in a well-ventilated area. All storage and transfer systems should be earthed to prevent build up of static electricity.
Storage	Store in accordance with the highly flammable liquid regulations. Keep container tightly closed. Do not expose to temperatures exceeding 30°c

8.

Exposure controls/personal protection			
Name	Standard	Long Term Exposure (TLV/TWA)	Short Term Exposure (TLV/STEL)
Toluene	OES	50 ppm	
Protection			
Respiratory	Ventilation		
Hand	PVC gloves		
Eye	Safety glasses		
Skin and body	Protective clothing		

9.

Physical and chemical properties			
Physical state		pH	-
Form	Paste	Log P octanol/water	-
Color	Beige	Solubility in water	Insoluble
Temperatures		Viscosity	Paste
Melting point	-	Vapour pressure	256 Mbars at 20°c
Boiling point	110 (Toluene)	Vapour density	0.788
Flash point	4°c	density	1.38 kg/dm³
Autoignition	>230°c	Conductivity	-
Explosion lower	2.5%	Odour	Pungent
Explosion upper	13%	V.O.C. per 1kg	370 gr

10.

Stability and reactivity	
Conditions to avoid	Heat, Flame, Static electricity
Materials to avoid	Strong Oxidants
Hazardous decomposition products	CO,CO2

11.

Toxicological information

Inhalation	Harmful if inhaled
Skin	
Eyes	
Ingestion	

12.

Ecological information	
Mobility in Water	Insoluble
Persistence / degradability	None
Bioaccumulation	
Ecotoxicity	No toxicity for the environment

13.

Disposal considerations	
Product	Solid mass can be incinerated. Uncured product can only be disposed of under license. Do not empty into drains
Packaging	Aluminum packaging may be recycled

14.

Transport information			
Special precautions			
Classifications Highly Flammable			
Packing group	III	UN-number	1263
Do not store near food	-	RID/ADR	Class 3
Sea contaminating	-	ICAD/IATA	Up to 60 litres 307 group 3.2
Shipping name	-	IMDG-code	3.2 III

15.

Regulatory information	
EC-classification	
Contains	-
Symbol	F and Xn
R-phrases	R.11.Highly Flammable R.20/22Harmful by Inhalation – Harmful if swallowed
S-phrases	S.2.Keep out of reach of children S3/7/9 keep container tightly closed in a cool, well ventilated place S.16.Keep away from sources of ignition. NO SMOKING S.29.Do not empty into drains

16.

Other information	
Creation date	01.03.05
This leaflet is for general guidance only and may contain inappropriate information under particular conditions. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.	