
MATERIAL SAFETY DATA SHEET

1. PRODUCT AND PREPARATION INFORMATION

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Product Name: Shake and Shoot, Part B
Product Code: BSSBLB
Synonyms: Not Applicable
Chemical Family: Organic Solvents, Aliphatic Polyisocyanate
Molecular Formula: Mixture
Product Use: Truck Bed Liner Coating
Prepared by: Regulatory Department
Preparation Date: August 8, 2007

2. HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS Number	Wt. %	TLV ppm	LD/50 Route, Species	LC/50 Route, Species
Toluene	108-88-3	30-60	50	5,500 mg/Kg (ORL-RAT) 14,000 mg/Kg (DRML-RBT)	8,000 ppm/4H (RAT)
Homopolymer of HDI	28182-81-2	30-60	0.5 mg/m3	5000 mg/Kg (ORL-RAT) 5000 mg/Kg (DRML-RBT)	390 ppm/1-4H (RAT)

2. HAZARDOUS INGREDIENTS (CONTINUED)

Xylene	1330-20-7	5-10	100	4,300 mg/Kg (ORL-RAT) > 2,000 mg/Kg (DRML-RBT)	5,000 ppm/4H (RAT)
Ethylbenzene	100-41-4	1-5	Not Available	3,500 mg/Kg (ORL-RAT) 15,400 mg/Kg (DRML-RBT)	4,000 ppm/4H (RAT)
Hexamethylene Diisocyanate	822-06-0	0.1-1	0.005	710 mg/Kg (ORL-RAT) 570 mg/Kg (DRML-RBT)	310 ppm/1-4H (RAT)

3. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear
Odour	Aromatic
Odour Threshold	Not Available
Boiling Point (Deg.C)	111 (Start)
Melting/Freezing Point (Deg. C)	Not Available
Vapour Density (Air = 1)	> 1
Specific Gravity	0.92
Vapour Pressure (mm Hg)	Not Available
PH	Not Applicable
Solubility in Water	Negligible, will react.
VOC, A & B kit mixed	2.97 lbs/gal (356 g/L)

4. FIRE AND EXPLOSION HAZARD

Flammability:	Yes
If Yes, Under Which Conditions:	Excessive heat, sparks and open flame.
Flammability Limits in Air (%):	1.0 - 7.0
Flash Point (TCC deg.C)	4
Autoignition Temperature (Deg. C):	Not available.
Hazardous Combustion Products:	Carbon monoxide, nitrogen oxides, isocyanates.
Sensitivity to Mechanical Impact:	Not available. Not expected to be sensitive to mechanical impact.
Rate of Burning:	Not available.
Explosive Power:	Not available.
Sensitivity to Static Discharge:	Not available. Expected to be sensitive to static discharge when vapours in air are between the flammability limits.
Extinguishing Media:	Carbon Dioxide, dry chemicals, foam, water spray for large fires.

5. REACTIVITY DATA

Chemical Stability:	Yes, under normal conditions.
Compatibility with Other Substances:	No, with strong oxidizing agents, alcohols, water, amines, metal compounds.
Hazardous Products of Decomposition:	Carbon monoxide, nitrogen oxides, isocyanates.
Hazardous Polymerisation:	Will not occur.

6. TOXICOLOGICAL PROPERTIES

Route of Entry:	
Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Inhalation:	Yes
Ingestion:	Yes
Effects of Exposure:	Irritant! Vapour/Mists at concentrations above the exposure limits can irritate the mucous membranes in the respiratory tract. Causes runny nose, sore throat, coughing, chest discomfort, difficult breathing and reduced pulmonary functioning.

	Exposure well above the TLV may lead to bronchitis, bronchial spasm and pulmonary edema. Eye contact can cause corneal damage. Skin contact may cause its rash, scaling or blistering. Swallowing may cause burning of the mouth, irritation and burning of the mucous membranes of the gastrointestinal tract. Can result in irritation of the stomach tissue.
Carcinogenicity of material:	Ethylbenzene has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. The IARC has classified Ethylbenzene as a possible human carcinogen.
Reproductive effects:	Toluene may be harmful to the human fetus based on positive test results with laboratory animals. Case studies show that prolonged intentional abuse of Toluene during pregnancy can cause birth defects in humans.
Teratogenicity:	No information is available and no adverse Teratogenic effects are anticipated.
Mutagenicity:	No information is available and no adverse Mutagenic effects are anticipated.
Effects of chronic exposure:	As a result of previous overexposure or a single large dose, some individuals may develop sensitization which will cause them to react to a later exposure to the product at levels well below the TLV.

7. PREVENTIVE MEASURES

Eye Protection:	Use chemical safety goggles with side shields.
Skin Protection:	Rubber gloves.
Respiratory Protection:	Avoid breathing vapours. If exposure exceeds occupational limits, wear a NIOSH approved air-purifying respirator with organic vapour cartridges for mists and vapours.
Engineering Controls:	Exhaust ventilation required if used indoors on continuous basis.
Leak/Spill Clean-Up Procedures:	Ventilate enclosed spaces. Collect product for disposal. Do not use combustible materials such as sawdust as an absorbent. Eliminate all sources of

Storage Instructions:

ignition. Neutralize are with solution: 90% water, 3-8% concentrated ammonia and 2% detergent. Allow to stand uncovered for 24 hours. Notify applicable government authority if release is reportable or could adversely affect the environment.
Keep away from heat, sparks, and open flames.
Store in well ventilated area.

8. FIRST AID MEASURES

In case of eye contact, immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention IMMEDIATELY. For skin, wash thoroughly with soap and water. If irritation develops, get medical attention. If affected by inhalation of vapour or spray mist, move to fresh air. If swallowed, do not induce vomiting. Obtain medical attention IMMEDIATELY.

9. TRANSPORT INFORMATION

Proper Shipping Name:	Coating Solution
UN Number:	1139
Class or Division:	3
Sub Risk:	Not Applicable
Packing Group:	II

10. REGULATORY INFORMATION

WHMIS Classification:	B2, D2A, D2B
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11. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. **This MSDS is valid for three years.**

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