

MATERIAL SAFETY DATA SHEET

Convoy Distribution Ltd
Convoy Engineering

Section 01: Chemical Product and Company Identification

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24 Hour Emergency Number 613-996-6666 Canutec
Product Name **SafeCoat Clear Solvent Free Iso (Part B)**
Chemical Family Polyaspartic
Material Use Component of a Fire Retardant Coating

Section 02: Composition/Information on Ingredients

Hazardous Ingredients	%	T.L.V.	C.A.S. #	OSHA PEL
Homopolymere of HDI	0-50%	N/D	28182-81-2	N/D
Hexamethylene-1,6-Diisocyanate	0-5%	N/D	822-06-0	N/D

Section 03: Hazards Identification

Route of Entry Eye Contact, Skin Contact, Inhalation, Ingestion
 Eye Contact Mild irritant. Vapors slightly uncomfortable. Splashes irritating/painful.
 Skin Contact Slight irritant. May cause swelling and redness.
 Skin Absorption Not Available
 Inhalation May cause nausea and respiratory tract irritation. May cause respiratory sensitization in susceptible individuals.
 Ingestion No significant signs or symptoms of any adverse health hazards.
 Acute Health Hazards No information is available on the acute health hazards of this product. Based upon data from testing of similar products, no significant effects are expected.
 Effects of Chronic Exposure If misted or at high concentrations, may cause pallor, nausea, anesthetic or narcotic effects.

Section 04: First Aid Measures

Eye Contact Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develop, seek medical attention.
 Skin Contact Remove from skin immediately. Rinse with clean water for 20-30 minutes. Use soapy water if needed. If redness, itching, or a burning sensation develop, seek medical attention.
 Inhalation Move victim to fresh air immediately. Give oxygen and seek medical attention.
 Ingestion **Do not induce vomiting.** Dilute with water and seek medical attention immediately.

Section 05: Fire Fighting Measures

Flash Point	>200 degrees F (93 degrees C)
Auto Ignition Temperature (C)	
Extinguishing Media	Foam/Carbon dioxide/Dry chemical/Water fog
Protective Equipment	Safety glasses and gloves
Unusual hazards	Closed containers may rupture from build up of pressure when exposed to extreme heat.
Sensitivity to Mechanical	Not expected to be sensitive to mechanical impact
Special Fire Fighting Procedures	Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products exist.

Section 06: Accidental Release Measures

Leak/Spill	Avoid contact with substance. All persons involved in clean up must be wearing appropriate protective equipment. Stop the spill at source, pump liquid to salvage container. Remaining liquid may be taken up on clay, diatomaceous earth, or other absorbent. Treat with Decontamination Solutions: Nonionic surfactant Union Carbide's Tergitol TMN-10 (20%) and water (80%); concentrated ammonia (3-8%), detergent (2%) and water (90-95%).
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Section 07: Handling and Storage

Handling Procedures	Avoid skin and eye contact. Avoid breathing fumes. Wash thoroughly before eating or drinking.
Storage Needs	Store in a cool and dry place away from ignitable sources as exothermic generation of carbon dioxide may cause dangerous pressure. Store in tightly sealed containers and protect from moisture. Re-seal partially used containers.

Section 08: Exposure Controls/ Personal Protection

Protective equipment	
Eye/Type	Chemical tight goggles; full face shield if possibility of splashing.
Respiratory/Type	Respiratory masks should be worn at all times in the case of inadequate ventilation. A NIOSH/MSHA respirator is acceptable.
Gloves/Type	Use neoprene or rubber gloves.
Clothing/Type	Wear adequate protective coveralls and footwear.
Other/Type	Eyewash fountain. Emergency shower should be in close proximity.
Ventilation Requirements	Ventilate adequately. Local exhaust may be required in certain instances and mechanical exhaust is usually sufficient.

Section 09: Physical and Chemical Properties

Physical State	Liquid
Appearance	Clear/pale yellow
Odor	Slightly musty.
Specific Gravity	1.15 @ 25 degrees C
Vapor Pressure (mm Hg)	Approx. 5.2×10^{-9}

Vapor Density (Air=1)	No Data
Evaporation Rate	No Data
Boiling Point	382° Fahrenheit
pH	No Data
Solubility in water	Insoluble in water @ 68° F (20°C)
Freezing Point (° C)	N/D
Melting Point	N/D
Percent Solids by Weight	9.6 lb./gal
Percent Volatile (g/l)	0% by weight; 0% by volume
VOC (g/l)	0% with water; 0% without water
Viscosity	650-750

Section 10: Stability and Reactivity

Stability	Stable
Conditions to avoid	Excessive heat, open flame, sparks, and strong oxidizing agents Protect from atmospheric moisture. Replace outage with inert dry nitrogen.
Incompatibility	Water, acid, base (alkalis, ammonia), alcohols, metal compounds
Reactivity Conditions	See "incompatibility"
Hazardous products of Decomposition	Isocyanate vapors or mist, carbon dioxide, carbon monoxide, nitrogen oxides
Conditions to avoid	Avoid incompatible reactants, especially strong bases, water or temperatures over 160°C.

Section 11: Toxicological Information

Acute Oral Toxicity(LD50)	>10000 mg/Kg (rats)
Dermal (LD50)	>5000 mg/Kg (rabbits)
Inhalation (LC50)	Lower respiratory (pulmonary) irritant LC50 Value Range from 137-1150 MG/M3 were obtained in rats exposed to aerosols. (4H EXP.)
Severe irritant	Capable of inducing corneal injury (rabbit) Maximum primary eye irritant score: 54.6/110 for 24 hour skin effects: Moderate and Dermal. Primary dermal irritation score: 3.4/8.0 (rabbit).
Sensitizing Capability of Material	Pulmonary and dermal sensitizer in animals and humans.
Carcinogenity of Material	Not classified as carcinogenic
Teratogenicity	Not available
Mutanagenity	Not available
Reproductive Effects	Not available
Synergistic Materials	None known

Section 12: Disposal Considerations

Waste Disposal	In accordance with municipal, provincial and federal regulations. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch.
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Section 13: Transport Information

Proper Shipping Name	Polyisocyanate
Hazard Class:	Non-regulated in 55 gallon drums, NOI

Section 14: Regulatory Information

TSCA (Toxic Substance Control Act)	If exported to the United States all chemical substances in this shipment comply with all applicable rules or orders under TSCA and there are no chemical substances in violation of TSCA or any applicable rule or order thereunder.
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Section 15: Other Information

Note	This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Quantum Technical Services Limited. The data on this sheet relates only to the specific material designated herein. Quantum Technical Services Ltd. assumes no legal responsibility for use or reliance upon these data.
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