

MATERIAL SAFETY DATA SHEET

Convoy Distribution Ltd
Convoy Engineering

Section 01: Chemical Product and Company Identification

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Preparation Date	March, 2014
24 Hour Emergency Number	613-996-6666 Canutec
Product Name	SafeCoat Clear Solvent Free RESIN (Part A)
Chemical Family	Polyaspartic
Material Use	Component of a fire retardant coating

Section 02: Composition/Information on Ingredients

<u>Hazardous Ingredients</u>	<u>%</u>	<u>T.L.V.</u>	<u>C.A.S. #</u>	<u>OSHA PEL</u>
Aspartic Ester	>20%	N/D	Proprietary	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	Moderately toxic, causes abdominal cramps, nausea, swelling.
Acute Health Hazards	Acute ingestion causes burning of the mouth, throat, and stomach with abdominal pain. Acute inhalation of vapours and mist can cause nasal discharge and pain in the eyes.
Effects of Chronic Exposure	If misted or at high concentrations, may cause pallor, nausea, anesthetic or narcotic effects.
Medical Conditions Generally Aggravated by Exposure:	Skin and eye sensitization. Depending on individual skin sensitivity, chronic or prolonged exposure may result in irritation, blistering, burning and peeling of skin layers. These effects may be delayed several hours after exposure.

Section 04: First Aid Measures

Eye Contact	Immediately flush with plenty of water for at least 15 minutes, keeping eyelids open. If redness, itching, or a burning sensation develop, seek medical attention.
Skin Contact	If skin is damaged or wounded, treat with saturated gauze pads or compresses using a freshly made up ascorbic acid solution (10g in 100g of water). Immediately flush skin with plenty of soap and water. Remove contaminated clothing and wash clothing before reuse.

Inhalation	Move victim to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.
Ingestion	Do not induce vomiting. Seek medical attention immediately.

Section 05: Fire Fighting Measures

Flash Point	>200° F (94°C)
Auto Ignition Temperature (C)	Not applicable.
Extinguishing Media	Foam/Carbon dioxide/Dry chemical
Protective Equipment	Safety glasses and gloves
Unusual hazards	During a fire, irritating and toxic gases and aerosols may be generated by thermal decomposition and combustion. Symptoms may not be immediately apparent. Obtain medical attention. Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.
Special Fire Fighting Procedures	Firefighters should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.
Sensitivity to Mechanical Impact	Not available.
Sensitivity to Static Discharge	Take precautionary measures against static discharge.

Section 06: Accidental Release Measures

Leak/Spill	Evacuate all non-essential personnel. Eliminate all sources of ignition. Ventilate area. Utilize recommended protective clothing. Dike area to prevent spreading. Absorb with inert material. Collect material in open containers. Remove containers to safe place and cover loosely.
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Section 07: Handling and Storage

Handling Procedures	No person should use this product, or be in the area where it is being used, if they have chronic (long-term) lung or breathing problems or if they ever had a reaction to isocyanates. Avoid all skin and eye contact. Wash hands thoroughly after using and before eating or drinking. Avoid breathing fumes. Handle away from all sources of ignition. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Local exhaust is preferable. Where overspray is present, a positive pressure air supplied respirator should be worn. If unavailable, a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA may be effective. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. NO PERSONS SHOULD BE ALLOWED IN THE AREA WHERE THIS PRODUCT IS BEING USED UNLESS EQUIPPED WITH THE SAME RESPIRATOR PROTECTION RECOMMENDED FOR THE APPLICATORS. When sanding or abrading the dried film, wear a dust/mist respirator approved by
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Storage Needs	NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive. To prevent skin contact, wear neoprene or rubber gloves. Wear safety spectacles with unperforated sideshields. Use barrier cream on exposed skin. Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of reach of children.
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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. See complete details above under handling instructions.

Section 09: Physical and Chemical Properties

Physical State	Liquid
Appearance	White
Odor	Slight
Specific Gravity	1.09 @ 20°C
Vapor Pressure (mm Hg)	0.000014 MMHG. @ 20°C
Vapor Density (Air=1)	N/A
Evaporation Rate	N/A
Boiling Point	N/A
pH	N/A
Solubility in water	Insoluble in water @ 68° F (20°C)
Freezing Point (° C)	N/A
Melting Point	N/A
Percent Solids by Weight	100%
Percent Volatile (g/l)	0% by weight; 0% by volume
VOC (g/l)	0% with water; 0% without water
Viscosity	N/A

Section 10: Stability and Reactivity

Stability	Stable
Conditions to avoid	Excessive heat, open flame, sparks, and strong oxidizing agents Protect from atmospheric moisture.
Incompatibility	Oxidizing agents, acids.
Reactivity Conditions	Product is stable; hazardous polymerization will not occur.
Hazardous products of Decomposition	By fire: carbon monoxide, carbon dioxide. Nitrogen oxides. Amines. Ammonia. Aliphatic fragments.
Conditions to avoid	Avoid incompatible reactants, especially strong bases, water or temperatures over 160°C.

Section 11: Toxicological Information

Acute Oral Toxicity (LD50)	>2000 mg/Kg (rats)
Irritancy of Material	Slight to moderate
Sensitizing capability of material	May cause sensitization by skin contact.
Carcinogenicity of material	Negative.
Teratogenicity	N/A
Mutagenicity	Negative
Reproductive effects	N/A

Section 11B: Ecological Information

Fish Toxicity (1)	LC50: 66 MG/L
Testing Time (1)	96 H
Test Species (1)	Brachydanio Rerio
Biodegradability	13%. Not readily biodegradable in a waste water treatment system.

Section 12: Disposal Considerations

Waste Disposal	Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, municipal, provincial and federal regulations. Do not heat or cut empty containers with electric or gas torch.
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Section 13: Transport Information

Proper Shipping Name	Polyaspartic Polyurea
Hazard Class:	Non-regulated

Section 14: Regulatory Information

WHMIS Classification	Controlled. D2B. This product has been classified in accordance with the hazard criteria of the controlled products regulations and the MSDS contains all the information required by the controlled products regulations.
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.

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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