



**MATERIAL SAFETY DATA SHEET**

**Section 01: Chemical Product and Company Identification**

Manufacturer Quantum Technical Services Ltd.  
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Prepared by Quantum Technical Services Ltd.  
 Preparation Date February 23, 2014

Product Name **SafeCoat FR31 Fire Retardant Fabric Treatment**  
 Material Use Fire Retardant Fabric Treatment.  
 24 Hour Emergency Number **1-613-996-6666 (Canutec)**

**Section 02: Composition/ Information on Ingredients**

Hazardous Ingredients/CAS	%/wt	T.L.V.	LD/50 (Route, Species)	LC/50
Ammonium Sulfamate/ 7773-06-0	2	TWA: 15 mg/m <sup>3</sup>	not available	not available

**Section 03: Hazards Identification**

Route of Entry Eye Contact, Skin Contact, Inhalation

Eye Contact Irritant

Skin Contact Irritant.

Skin Absorption Non-Permeator

Inhalation (Acute) May cause irritation if inhaled.

Ingestion Hazardous if ingested.

Effects of Chronic Exposure No chronic health effects are expected from normal use of this product.

**Section 04: First Aid Measures**

Eye Contact In case of irritation, flush eyes with plenty of water. Seek medical attention if irritation persists.

Skin Contact May cause irritation. After contact wash skin with soap and water. Remove contaminated clothing. Wash clothing before reuse. If irritation persists seek medical attention.

Inhalation If inhaled inhalation causes breathing difficulty remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion If ingested, consult a physician. Give large amounts of milk or water. Do not induce vomiting. Never give anything by mouth if victim is unconscious.

Additional Information Not available.

**Section 05: Fire Fighting Measures**

Flash Point Not applicable

Auto Ignition Temperature (C) Not applicable

Upper Explosive Limit(% Vol.) Not applicable

Lower Explosive Limit(% Vol.) Not applicable

Extinguishing Media Not applicable

Hazardous Combustion Products By fire: Protect against potentially toxic and irritating fumes.

Sensitivity to Mechanical Impact Not Available

Sensitivity to Static Discharge Not Available

Special Fire Fighting Procedures Firefighter should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

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## **Section 06: Accidental Release Measures**

Leak/Spill Dike area to prevent spreading. Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water. Collect wash water for approved disposal. Utilize recommended protective clothing. Eliminate all sources of ignition.

## **Section 07: Handling and Storage**

Handling Procedures Avoid skin and eye contact. Avoid breathing fumes. Remove contaminated clothing before reuse. Maintain a good personal hygiene.

Storage Needs Store in a cool location. Keep container closed when not in use.

## **Section 08: Exposure Controls / Personal Protection**

Protective equipment

Eye/Type Liquid chemical goggles. Contact lenses should not be worn.

Respiratory/Type Wear MSHA/NIOSH approved respirator when ventilation inadequate.

Gloves/Type Rubber or plastic impervious gloves. Wash thoroughly before handling any food.

Clothing/Type Wear adequate protective clothes.

Footwear/Type Not applicable.

Other/Type Eyewash fountain. Emergency shower should be in close proximity.

Ventilation Requirements Provide exhaust ventilation to keep airborne vapour concentration below threshold limit value.

## **Section 09: Physical and Chemical Properties**

Physical State Liquid

Odor Slight.

Specific Gravity 1.07

Odor Threshold(ppm) Not available

Vapor Pressure (mm Hg) Not available

Vapor Density (Air=1) Not Available

Evaporation Rate Not available

Boiling Point Approximately 100 C

pH 7 - 8

Solubility in water Completely soluble

Coefficient of water/oil distribution Not available

Freezing Point (deg C) Approximately 0 C

## **Section 10: Stability and Reactivity**

Incompatibility None known

Reactivity Conditions Highly reactive with oxidizing and reducing agents. Slightly reactive to organic acids and alkalis.

Hazardous products of Decomposition Not available.

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## **Section 11: Toxicological Information**

Irritancy of material	Irritant
Sensitizing Capability of Material	None.
Carcinogenicity of Material	Not available.
Teratogenicity	Not available.
Mutanagenity	Not available.
Synergistic Materials	Not available

## **Section 12: Ecological Information**

Fish Toxicity	Not available
Biodegradability	Not available

## **Section 13: Disposal Considerations**

Waste Disposal	In accordance with municipal, provincial and federal regulations. Empty containers must be handled with care due to protect residue.
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## **Section 14: Transport Information**

T.D.G. Classification	Not regulated
Shipping Name	Not applicable

## **Section 15: Regulatory Information**

WHMIS Classification	Non regulated. 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.
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## **Section 16: Other Information**

Note	This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Magna Coatings Technology Inc.. The data on this sheet relates only to the specific material designated herein. Magna Coatings Technology Inc., Convoy Distribution Ltd./Convoy Engineering assume no legal responsibility for use or reliance upon these data.
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