

SAFETY DATA SHEET

Quantum Technical Services Ltd.

Section 1. Product and Company Identification

Product Name SafeCoat® FR-41 Fire Retardant Broad Spectrum Treatment

Manufacturer Quantum Technical Services Ltd. (Dba Quantum Chemical)
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Chemical Emergencies For 24-Hour Emergency call Canutec at 613.996.6666

Section 2. Hazards Identification**2.1 Classification**

WHMIS This product is not WHMIS regulated.

2.2 Label Elements:

Pictogram: None.
Signal Word: None.
Hazard Statements: None.
Precautionary Statements: None.

2.3 Other Hazards

Route of Entry: Eye contact, skin contact, inhalation.

Eye Contact	Irritant.
Skin Contact	Irritant.
Skin Absorption	Non-permeator.
Inhalation (Acute)	Hazardous if inhaled.
Ingestion	Hazardous if ingested.
Effects of Chronic Exposure	No chronic health effects are expected from normal use of this product.

Section 3. Composition and Ingredient Information

<u>Common Name</u>	<u>CAS No.</u>	<u>WT%</u>	<u>T.V.L.</u>	<u>LD/50 Route, Species)</u>	<u>LC/50</u>
Ammonium Sulfamate	7773-06-0	3.7%	TWA: 15 mg/m ³	N/A	N/A
Boric Acid	10043-35-3	1.5%	N/A	2000 mg/kg (skin, rat)	N/A

No other hazardous ingredients.

Section 4. First Aid Measures

Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Seek medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse. If irritation persists seek medical attention.
Inhalation	If inhaled, 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 5. Fire Fighting Measures

Flash Point	N/A
Auto Ignition Temperature °C	N/A
Upper Explosive Limit (% Vol.)	N/A
Lower Explosive Limit (% Vol.)	N/A
Extinguishing Media	Water spray or fog (do not use water jet), carbon dioxide, dry chemical, foam.
Hazardous Combustion Products	By fire: protect against potentially toxic and irritating fumes.
Sensitivity to Mechanical Impact	N/A
Sensitivity to Static Discharge	N/A
Special Fire Fighting Procedures	Firefighter should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

Section 6. Accidental Release Measures

Leak/Spill	Dike area to prevent spreading. Spills should be taken up with suitable absorbent and place in containers. Spill area can be washed with water. Collect wash water for approved disposal. Utilize protective clothing. Eliminate all sources of ignition.
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Section 7. 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 8. Exposure Controls and Personal Protection.

Protective Equipment	
Eye	Liquid chemical goggles. Contact lenses should not be worn.
Respiratory	Wear MSHA/NIOSH approved respirator when ventilation is inadequate.
Gloves	Rubber or plastic impervious gloves. Wash thoroughly before handling any food.
Clothing	Wear adequate protective clothes.
Footwear	N/A
Other	Eyewash fountain. Emergency shower should be in close proximity.
Ventilation Requirements	Provide exhaust ventilation to keep airborne vapour concentration below threshold limit value.

Section 9. Physical and Chemical Properties

Physical State	Liquid.
Odor	Slight.
Specific Gravity	1.07.
Odor Threshold (ppm)	N/A.
Vapour Pressure (mm Hg)	N/A.
Vapour Density (Air=1)	N/A.
Evaporation Rate	N/A.
Boiling Point	Approximately 100°C.
pH	7-8.
Solubility in Water	Completely soluble.
Coefficient of Water/Oil Distribution	N/A.
Freezing Point (°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	N/A.

Section 11. Toxicological Information

Irritancy of Material	Irritant.
Sensitizing Capability of Material	None.
Carcinogenicity of Material	N/A.
Teratogenicity	N/A.
Mutanagenicity	N/A.
Synergistic Materials	N/A.

Section 12. Ecological Information

Fish Toxicity	N/A.
Biodegradability	N/A.

Section 13. Disposal Considerations

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

T.D.G. Classification	Not required.
Shipping Name	N/A.

Section 15. Regulatory Information

WHMIS Classification D-2A, material causing other toxic effects. This product has been classified in accordance with the hazard criteria of the controlled products regulations and the SDS contains all the information required by the controlled products regulations.

Section 16. Other Information

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Prepared By: Quantum Technical Services Ltd.

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