

**SAFETY DATA SHEET**

Quantum Technical Services Ltd.

**Section 1. Product and Company Identification**

Product Name	<b>SafeCoat® FR-41 Fire Retardant Broad Spectrum Treatment</b>
Manufacturer	Quantum Technical Services Ltd. (Dba Quantum Chemical) 15 Riel Drive St. Albert, AB, Canada T8N 3Z2 Tel: (780) 458-3355 (non-emergency phone number) Fax: (780) 458-2852 <a href="http://www.quantumchemical.com">www.quantumchemical.com</a>
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**

Common Name	CAS No.	WT%	T.V.L.	LD/50 Route, Species)	LC/50
Ammonium Sulfamate	7773-06-0	2	TWA: 15 mg/m3	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.

## Section 5. Fire Fighting Measures

Flash Point:	Not available.
Auto Ignition Temperature °C:	Not available.
Upper Explosive Limit (% Vol.):	Not available.
Lower Explosive Limit (% Vol.):	Not available.
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:	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.

## Section 6. 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 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:	Not available.
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):	Not available.
Vapour Pressure (mm Hg):	Not available.
Vapour 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 (°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.

## Section 11. Toxicological Information

<b>Irritancy of Material:</b>	Irritant.
<b>Sensitizing Capability of Material:</b>	None.
<b>Carcinogenicity of Material:</b>	Not available.
<b>Teratogenicity:</b>	Not available.
<b>Mutagenicity:</b>	Not available.
<b>Synergistic Materials:</b>	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 product residue.
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## Section 14. Transport Information

T.D.G. Classification: Not required.

Shipping Name: Not applicable.

## 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

Revision Date: March 14, 2023

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