

**MATERIAL SAFETY DATA SHEET**

**Chemical Product and Company Information**

<b>Product</b>	<b>SafeCoat TFI</b>	
<b>PIN#</b>	Not Available	
<b>Uses</b>	Fire Retardant Coating	
<b>Manufacturer/Supplier</b>	Quantum Group of Companies, 15 Riel Drive, St. Albert, AB, Canada T8N 3Z2	
<b>Phone Number</b>	780.458.3355	
<b>Facsimile</b>	780.458.2852	
<b>Prepared by</b>	Quantum Technical Services Ltd.	
<b>Preparation Date</b>	March, 2014	
<b>24 Hour Emergency Number</b>	(613) 996-6666	Canutec

**Classification**

Not WHMIS Regulated.							
		<b>NFPA Ratings</b>			<b>Interpretation</b>		
<b>TDG:</b>	Not Regulated	Health	= 1	Insignificant	0	Moderate	2
		Fire	= 0	Slight	1	High	3
		Reactivity	= 0			Extreme	4
		Special	= -				

**Physical Data**

<b>Freezing Point :</b>	0 °C	<b>Boiling point:</b>	100 °C
<b>% Volatile/Vol :</b>	48%	<b>Vapour Density:</b>	<1
<b>Physical Status</b>	Liquid	<b>Evaporation Rate:</b>	<1
<b>Specific Gravity:</b>	1.25	<b>Coef. of Water/Oil Distr.:</b>	N.Av.
<b>Vapour Pressure:</b>	17.5 mmHg	<b>Appearance/Odor:</b>	white liquid/mild odor
<b>Odor Threshold (ppm):</b>	N.Av.	<b>pH:</b>	Neutral

**Fire or Explosion Hazard**

<b>Flash Pt:</b>	Non Combustible
<b>Conditions of Flammability:</b>	None.
<b>Extinguishing Agents:</b>	Use extinguishing media for surrounding fire.
<b>Hazardous Combustion Products:</b>	Oxides of Carbon and Nitrogen, Hydrogen Chloride, Ammonia, Phosphoric Acid
<b>Sensitivity to Mechanical Impact:</b>	Not Applicable
<b>Sensitivity to Static Discharge:</b>	Not Applicable
<b>Autolign Temp.:</b>	Not Applicable
<b>LEL/UEL (%):</b>	Not Applicable

Fire fighters should wear positive pressure, full-face, self-contained breathing apparatus.

**Reactivity Information**

<b>Conditions of Instability</b>	Stable under normal conditions.
<b>Conditions of Reactivity</b>	No special reactivity
<b>Incompatible Substances</b>	No known materials
<b>Hazardous Decomposition</b>	None expected

**Toxicological Properties - Health Effects - Acute Exposure**

<b>INHALATION</b>	Inhalation of dust or mist can cause irritation of the eyes, nose, throat, and lungs.
<b>EYE CONTACT</b>	Like any foreign body, particles can cause mechanical irritation.
<b>SKIN CONTACT</b>	May cause transient reddening of the skin.
<b>INGESTION</b>	No evidence of adverse effects from available information.

**Preventive Measures**

<b>Storage:</b>	Keep from freezing. Storage temperature range: minimum 10 <sup>0</sup> C - maximum 35 <sup>0</sup> C.
<b>Shipping</b>	DO NOT FREEZE.
<b>Engineering Controls:</b>	General room ventilation is expected to be satisfactory. Use local exhaust if needed to control mist or vapour.
<b>Spill or Leak:</b>	<b>Small:</b> Absorb liquid with paper, vermiculite, floor absorbent or other absorbent material. <b>Large:</b> Persons not wearing protective equipment should be excluded from area of spill until clean up is completed. Stop spill at source. Dike to prevent spreading. Pump to salvage tank.
<b>Waste Disposal:</b>	Dispose of in accordance with all local, provincial, state, and federal regulations.
<b>Respiratory Protec.</b>	If sprayed, wear a NIOSH/MSHA approved respirator.
<b>Eye/ Skin Protection:</b>	Use gloves impervious to soap and water. Wear safety glasses.

**First Aid**

<b>INHALATION:</b>	Move individual to fresh air. If individual is having difficulty breathing or respiratory irritation, seek medical attention.
<b>INGESTION:</b>	Induce vomiting. Get medical attention.
<b>EYES:</b>	Flush eyes with a large amount of water, lifting upper and lower lids occasionally for at least 15 minutes. See a physician.
<b>SKIN:</b>	Thoroughly wash exposed area with soap and water. Remove contaminated clothing and launder prior to reuse. If there is persistent irritation, consult a physician.