

DATE PREPARED: October 26, 2015

SUPERSEDES: July 16, 2012

SECTION 1 CHEMICAL AND COMPANY IDENTIFICATION

PRODUCT NAME: **Thomson CHEM-4**

COMPANY NAME: **A.R. Thomson Group**

ADDRESS: 10030 - 31ST AVENUE, EDMONTON, AB T6N 1G4

PHONE NUMBER: (780) 450-8080 FAX (780) 463-2021

SECTION 2 COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENT NAME	CAS NUMBER	% WT. (Optional)
Polytetrafluoroethylene	9002-8400	
White Mineral Oil	8042-47-5	

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This Style product consists of braided multifilament polytetrafluoroethylene yarn which has been coated with polytetrafluoroethylene dispersion particles on the surface. After braiding the braid is dipped in mineral oil. Adverse health effects would not be expected under normal recommended conditions of use, so long as prescribed safety precautions are practiced. Heating product to temperatures in excess of 400C can evolve toxic fluorine compounds.

PRODUCT CONSTITUENTS LISTED AS CARCINOGENS	IARC	OSHA	NTP
None Present			

Potential Health Effects

Primary Routes of Entry:

Inhalation or dermal contact with decomposition products.

Acute Effects Of Overexposure:

No effects due to exposure to the product are anticipated. If exposed to thermal decomposition products of the polytetrafluoroethylene, temporary symptoms of polymer fume fever (chills, fever, cough and malaise).

Chronic Effects Of Overexposure:

There is no known chronic health effects connected with long term use or contact with this product.

Conditions Aggravated by Exposure:

Individuals with preexisting diseases of the lungs may have increased susceptibility to the toxicity of excessive exposures from thermal decomposition products.

SECTION 4 FIRST AID MEASURES**Eyes:**

Flush the eyes with water for at least 15 minutes. Seek medical attention if irritation develops or persists.

Skin: The product is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.

Ingestion: No specific intervention is indicated, as product is not likely to be hazardous by ingestion. Consult a physician if necessary.

Inhalation: No specific intervention is indicated and the product is not likely to be hazardous by inhalation. Consult a physician if necessary. If exposed to fumes from overheating or combustion, move to fresh air. Consult physician if symptoms persist.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point: Not Applicable

Method: Not Applicable

Limiting Oxygen Index (LOI): >95

Upper Flammable Limit (UFL):

Not Applicable

Lower Flammable Limit (LFL):

Not Applicable

Autoignition Temperature: 450° C

Method: ASTM D1929

HAZARDOUS PRODUCTS OF COMBUSTION

Composition of by-products from the result of a fire or thermal decomposition will vary depending on the specific conditions. Hazardous gases/vapors possibly evolved include smoke, hydrogen fluoride, carbonyl fluoride, perfluorocarbon olefins and carbon monoxide. There may be others unknown to us.

FIRE FIGHTING INSTRUCTIONS

As in any fire, use a self-contained breathing apparatus (SCBA) in the pressure-demand mode in conjunction with suitable gloves and clothing.

Extinguishing Media

Water, carbon dioxide, foam, or dry chemical. Be sure to use fire extinguisher appropriate to surrounding fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released or Spilled

Shovel or sweep up. Material should be placed in DOT approved containers for disposal.

SECTION 7 HANDLING AND STORAGE

Handling

Reaction products may be toxic.

Work / Hygienic Practices

Personnel should avoid contaminating cigarettes or tobacco with particles of PFFE.

Storage

Store in labelled closed containers and away open flames & other sources of ignition. Do not store with or near incompatible materials cited in section 10.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls

Ventilation:

No special requirements for normal conditions of use.

Personal Protective Equipment

Eyes and Face: As generally good practice, safety glasses with side shields are recommended when handling this product to prevent eye contact with particulate matter.

Skin: Use of impervious gloves is recommended.

Respiratory: No special requirements under normal conditions of use.

Exposure Guidelines

Component	OSHA PEL (8 Hr. TWA)	ACGIH TLV (8 Hr. TWA)
Polytetrafluoroethylene	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust) Limits For Particulates Not Other Wise Regulated	None Established
Polydimethylsiloxane	None Established	None Established

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Braided white multifilaments of PTFE with PTFE dispersion particles and mineral oil on the surface.	Boiling Point:	> 800F (Mineral Oil Component)
Odor:	No odor	Freezing Point:	Not Applicable
VOC Content:	Not Applicable	Melting Point:	327 – 342C (621-648F) – PTFE
pH:	Not Applicable	Solubility In Water:	Negligible
Vapor Pressure:	< 1 mm of Hg at 70F (Mineral Oil Component)	Specific Gravity:	~ 2.2 (PTFE)
Vapor Density:	Not Applicable	Reactivity with Water:	Non Reactive

SECTION 10 STABILITY AND REACTIVITY**Stability:**

The material is stable.

Conditions to avoid:

Direct flame will ignite product.

Materials to avoid:

Incompatible or can react with finely divided metal powders (e.g. aluminum and magnesium), molten alkali metals, and potent oxidizers like fluorine and related compounds like chlorine trifluoride. Contact with incompatibles can cause fire or explosion.

Hazardous Decomposition Products

Composition of by-products from the result of a fire or thermal decomposition will vary depending on the specific conditions. Hazardous gases/vapors possibly evolved include smoke, hydrogen fluoride, carbonyl fluoride, perfluorocarbon olefins and carbon monoxide. There may be others unknown to us.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicity data is available on the individual components. Call (780) 450-8080 for information.

SECTION 12 ECOLOGICAL INFORMATION

Not Available

SECTION 13 DISPOSAL INFORMATION

Dispose of in accordance with local, state, and federal regulations. Land fill is normally recommended.

SECTION 14 TRANSPORTATION INFORMATION

D.O.T. Shipping Name: Not Regulated

SECTION 15 REGULATORY INFORMATION

Warning, this product contains the following materials known to the state of California to cause cancer or reproductive effects:

- None.

SECTION 16 OTHER INFORMATION

This MSDS is prepared to safeguard the health of workers and to comply with the requirements of 29CFR 1910.1200. Consult your employer before working with this material.

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, storage, transportation and release and is not considered a warranty or quality specification. The responsibility for the compliance with existing law and regulations lies with the receiver of the product.

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