DATE PREPARED: October 26, 2015
SUPERSEDES: July 16, 2012

SECTION 1 - CHEMICAL AND COMPANY IDENTIFICATION

PRODUCT NAME: **TUFLON® 7300**
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 HAZARDOUS INGREDIENTS

COMPONENT NAME	CAS NUMBER	% WT. (Optional)
Barium Sulfate	7727-43-7	
Chrome Antimony Titanium Buff Rutile	68186-90-3	<1
Expanded Perlite	93763-70-3	
Polytetrafluoroethylene	9002-84-0	

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product consists of inorganic fillers and pigment dispersed and encapsulated in a Polytetrafluoroethylene matrix.
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			

POTENTIAL HEALTH EFFECTS
Primary Routes of Entry: Entry into the body is unlikely under normal conditions of use.
Primary route of entry as a result of thermal or mechanical degradation is inhalation.

Acute Effects Of Overexposure:
High concentrations of dusts may be irritating to the eyes, skin, mucous membranes and respiratory tract. Skin contact may produce reddening of the skin and itching. 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:
Wash contaminated skin thoroughly with soap or mild detergent. Get medical attention if irritation persists. Dermatitis should be treated symptomatically by a physician.

Ingestion:
If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician.

Inhalation: Dust:
No adverse effects are anticipated by breathing small amounts during normal and intended use. If exposed to high dust levels, then remove to fresh air. Drink water and clear throat. Blow nose to clear dust

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: 530 – 550C (986-1022F) **Method:** ASTM D1929
Upper Flammable Limit (UFL): Not Applicable
Lower Flammable Limit (LFL): Not Applicable
Autoignition Temperature: 520 –560 C (968-1040) **Method:** ASTM D1929
Limiting Oxygen Index (LOI): >95

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
No special actions are required for relatively large pieces or fragments. Prompt clean up is recommended. Personnel involved in the clean up should be wearing appropriate personal protective equipment as outlined in section 8. Material should be placed in DOT approved containers for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Dust generated from this material must be managed by wet wiping or vacuuming with HEPA filtration equipped vacuum cleaners. Personnel involved with handling this product should be wearing appropriate personal protective equipment as outlined in section 8.

Work / Hygienic Practices: Personnel should avoid contaminating cigarettes or tobacco with particles of PFFE. Do not eat or smoke in areas of storage or processing.

Storage: Store in labelled closed containers and away from 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: If dust levels exceed the occupational exposure limits, then use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels to below recommended exposure limits. The need for local exhaust ventilation should be evaluated by a professional industrial hygienist. Local exhaust ventilation systems should be designed by a professional engineer. Maintain and test ventilation systems in accordance with OSHA regulations (29CFR 1910.94).

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: As generally good practice, use of impervious gloves is recommended.

Respiratory: Exposure levels that exceed PEL/TLV limits are unlikely. If exposures exceed the limits cited in this section by less than a factor of 10, use a NIOSH approved N95 respirator. If exposures exceed 10 times this limit, consult a professional industrial hygienist or your respiratory protective equipment supplier for selection of the proper equipment. The evaluation of the need for respiratory protection should be determined by a professional industrial hygienist.

EXPOSURE GUIDELINES

Component	(8 Hr. TWA) OSHA PEL	(8 Hr. TWA) ACGIH TLV
Barium Sulfate		10.0 mg/m^3 (total dust)
Chromium (III) compounds (as Cr) See note.	0.5 mg/m^3	0.5 mg/m^3
Antimony and compounds (as Sb) See note.	0.5 mg/m^3	0.5 mg/m^3
Polytetrafluoroethylene	None Established	None Established
Expanded Perlite	15 mg/m^3 (total dust)	10 mg/m^3 (total dust)

Note: Chrome Antimony Titanium Buff Rutile Pigment is a high temperature calcination of the component substances. The properties of the pigment do not necessarily reflect the properties of the component metals or oxides.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Gold sheet or gasket.	**Boiling Point:**	Not Applicable
Odor:	Odorless	**Freezing Point:**	Not Applicable
VOC Content:	Not Applicable	**Melting Point:**	Gel Point is approximately 327C (620-F)
pH:	Not Applicable	**Solubility In Water:**	Negligible
Vapor Pressure:	Not Applicable	**Specific Gravity:**	Approximately 2.3 to 2.4
Vapor Density:	Not Applicable	**Reactivity with Water:**	Non Reactive

SECTION 10 - STABILITY AND REACTIVITY

Stability: The material is stable.

Hazardous Polymerization: Hazardous polymerization will not occur.

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

No ecological information is available on this product.

SECTION 13 - DISPOSAL INFORMATION

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

SECTION 14 - TRANSPORTATION INFORMATION

DOT - Not Regulated

SECTION 15 - REGULATORY INFORMATION

This product contains a chemical or chemicals subject to the reporting requirements of section 313 of title III of the superfund amendments and reauthorization act of 1986 and 40 CFR Part 372:
100% Chromium Compound
100% Antimony Compound

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 a 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.

M35910100406