

DATE PREPARED: October 26, 2015

SUPERSEDES: July 16, 2012

SECTION 1 CHEMICAL AND COMPANY IDENTIFICATION

PRODUCT NAME: **Thomson Style 6101**

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

ADDRESS: 3420 - 189 STREET, SURREY, B.C. V3Z 1A7

PHONE NUMBER: 604-507-6050 FAX: 604-507-6098

SECTION 2 COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENT NAME	CAS NUMBER	% WT. (Optional)
Kaolin	1332-58-7	
Zinc Oxide	1314-13-2	
Rock Wool (Mineral Wool)	287922-11-6	< 10
Poly-paraphenylene terephthalamide	26125-61-1	
Wollastonite	13983-17-0	
Titanium Dioxide	13463-67-7	<2
Silica, Crystalline	14808-60-7	<1
Note: Isoprene and Acrylonitrile-Butadiene elastomers are used as a binder for this product.	-----	

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a compressed non-asbestos gasketing material containing synthetic fibres; fillers, and elastomeric binders, predominantly Acrylonitrile - Butadiene (NBR).

Excessive levels of some constituents can cause lung and respiratory tract disorders, including irritation, pneumoconiosis, and cancer. These effects generally occur as a result of long term (months, years) exposures to high dust levels. Maintain dust concentrations at low levels.

Decomposition products should be considered as being toxic.

SECTION 3 HAZARDS IDENTIFICATION (Continued from Page 1)

PRODUCT CONSTITUENTS LISTED AS CARCINOGENS	IARC	OSHA	NTP
Rock Wool – IARC, Group 3 (not classifiable as to its carcinogenicity to humans)	No	No	No
Titanium Dioxide (Identified as a potential carcinogen by NIOSH.)	No	No	No
Silica, Crystalline, IARC Group 1	Yes	No	Yes

POTENTIAL HEALTH EFFECTS

Under normal and intended use conditions it is not anticipated that dust levels sufficient to cause symptoms or adverse health effects will be produced. Decomposition products should be considered as being toxic.

Eyes: Dust or solids can cause eye and respiratory tract irritation.

Skin: No hazard in normal industrial use, although long term effects of exposure to high dust levels may include physical irritation.

Ingestion: The material is believed to present very little hazard if swallowed. May cause temporary irritation to the gastrointestinal tract.

Inhalation: Prolonged and repeated exposure to dust in excessive quantities can produce irritation, pneumoconiosis and cancer to the lung and respiratory tract. Toxic vapours may be formed or released on overheating or in the event of fire.

Target Organs: Lungs – Prolonged and repeated overexposure can cause lung and respiratory tract damage.

Signs & Symptoms: Acute (immediate) effects include respiratory tract irritation, nose congestions, and temporary skin irritation may occur. Chronic (long-term) effects of exposure to high dust levels may include respiratory tract irritation, chest tightness and difficulty breathing.

Chronic Effects: Respiratory and lung disorders can result when exposed to prolonged and repeated elevated dust levels. These disorders can include delayed injuries such as pneumoconiosis (a fibrotic disease in the lung tissue) or lung cancer. Chronic lung injury, including silicosis can be progressive, disabling, and may lead to death.

Conditions Aggravated by Exposure: Smoking aggravates the effects of exposure to some product constituents. Pre-existing respiratory and lung diseases may be aggravated where substantial airborne dust levels are presented.

SECTION 4 FIRST AID MEASURES

Eyes: Flush the eyes with water for at least 15 minutes. Do not rub eyes. Get medical attention if necessary.

Skin: No adverse effects are anticipated. Wash skin with warm water and soap.

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

Inhalation: No effects requiring first aid are expected during normal use. If exposed to fumes received from decomposition products, remove patient to fresh air. If breathing problems occur, a qualified individual should administer oxygen or artificial respiration as indicated. Seek immediate medical attention.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point: Not Flammable

Upper Flammable Limit (UFL):

Lower Flammable Limit (LFL):

Autoignition Temperature:

Flammability Classification:

Method: Not applicable

Not Applicable

Not Applicable

Not Applicable

Not Flammable

Hazardous Products of Combustion

Composition of by-products from the result of a fire will vary depending on the specific conditions. Possible decomposition products include smoke, carbon monoxide, carbon dioxide, acrylonitrile monomer and hydrogen cyanide. 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 full protective gear.

Extinguishing Media

Carbon dioxide, water, or ABC dry chemical. Be sure to use fire extinguisher appropriate to surrounding fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Small Spill

No special precautions are necessary where gasket product is intact and there is no substantial product dust generated. For any small amounts of dust, wet wipe and dispose.

Large Spill

If substantial amounts of dust are present as the result of a physical disturbance which disrupts the matrix of the material, the material should first be lightly misted with water then vacuumed using a vacuum cleaner equipped with a High Efficiency Particulate Air (HEPA) filtration device.

SECTION 7 HANDLING AND STORAGE

Handling

There are no special procedures for handling of the intact material during normal and intended use. Do not grind or cut with power saws. Dust and debris generated from this material must be managed by wet wiping vacuuming with HEPA filtration equipped vacuum cleaners. Do not dry sweep this material or blow dust/debris with compressed air. During product removal from service, wet the material to keep any dust levels low.

Storage

Stable at normal temperatures and storage conditions.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls

Ventilation: Normal and intended use of this product will not produce material component levels in substantial airborne concentrations. In keeping with standard Industrial Hygiene practices, if exposure levels are not known, or 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. Maintain and test ventilation systems in accordance with OSHA regulations (29CFR 1910.94). Review OSHA 29CFR part 1910.1000 or 29CFR Part 1926 Subpart Z for exposure level information.

Personal Protective Equipment

Eyes and Face: Special precautions are not normally necessary. If dust is generated, use American National Standards Institute (ANSI) approved eye and face protection when subjected to potential eye and face hazards.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT
(Continued from page 4)

Skin: Special precautions are not normally necessary. If dust is generated, keep dust from contacting skin. Gloves are recommended in situations involving repeated handling.

Respiratory: Normal intended use of this product will not produce material component levels in substantial concentrations. In keeping with standard Industrial Hygiene practices, if exposure levels are not known, or if the dust levels exceed occupational exposure limits, and engineering controls cannot be used then use the appropriate respiratory protection.

For protection against dust or vapours as a result of thermal decomposition wear a NIOSH approved respirator suitable for the anticipated airborne concentration.

EXPOSURE GUIDELINES

Component	OSHA PEL (8 Hr. TWA)	ACGIH TLV (8 Hr. TWA)
Rock Wool (Mineral Wool)	15 mg/m ³ (total dust)	10 mg/m ³ (total dust)
	5 mg/m ³ (respirable dust)	
Kaolin	10 mg/m ³ (total dust)	10 mg/m ³ (total dust)
Zinc Oxide	10 mg/m ³ (total dust)	10 mg/m ³ (total dust)
Wollastonite	15 mg/m ³ (total dust)	10 mg/m ³ (total dust)
	5 mg/m ³ (respirable dust)	
Silica, Crystalline (Quartz)	10 mg/m ³ / %SiO ₂ + 2 (resp)	0.1 mg/m ³ (resp)
	30 mg/m ³ / %SiO ₂ + 2 (total)	
Poly-paraphenylene terephthalamide	Not Established	Not Established
Titanium Dioxide	10 mg/m ³ (total dust)	10 mg/m ³ (total dust)

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Green Compressed Fiber Sheet or Gaskets	Boiling Point:	Not Applicable
Odor:	Slight odor	Freezing Point:	Not Applicable
Physical State:	Solid	Melting Point:	Not Applicable
pH:	Not Applicable	Solubility In Water:	Not Soluble
Vapor Pressure:	Not Applicable	Specific Gravity:	Greater than 1.0
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: Do not expose the material to direct flame or excessive temperature.

Materials to avoid: Strong Acids, alkali and oxidizing agents.

Hazardous Decomposition Products

Composition of by-products from the result of a fire will vary depending on the specific conditions. Possible decomposition products include smoke, carbon monoxide, carbon dioxide, acrylonitrile monomer and hydrogen cyanide. There may be others unknown to us.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicity data is available on the individual components. Call 604-507-6050 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

Sara Title III

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

- Zinc Oxide

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

- Crystalline Silica
- Toluene
- Acrylonitrile

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.

M-39250033007MM