

DATE PREPARED: October 26, 2015

SUPERSEDES: July 16, 2012

## SECTION 1 CHEMICAL AND COMPANY IDENTIFICATION

PRODUCT NAME: **Thomson Style 9101**

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

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

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## SECTION 2 HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

#### **Solid material.**

Under normal and intended use conditions it is not anticipated that hazardous components will be released.

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.

### PRODUCT CONSTITUENTS LISTED AS CARCINOGENS

- Rock Wool: IARC, Group 3 - Not classifiable as to its carcinogenicity to humans.
- Silica, Crystalline: IARC Group 1-sufficient evidence of carcinogenicity in humans, also identified by NTP as a carcinogen.
- Titanium Dioxide - Identified as a potential carcinogen by NIOSH.
- Carbon black: IARC Group 2B - Possibly carcinogenic to humans

### 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.

**SECTION 2 HAZARDS IDENTIFICATION (Continued from page 1)**

**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.

**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 3 COMPOSITION AND INFORMATION ON INGREDIENTS**

COMPONENT NAME	CAS NUMBER	% WT. (Optional)
Kaolin	1332-58-7	
Natural Graphite	7782-42-5	
Carbon Black	1333-86-4	0.9-1.1
Carbon Fiber	7440-44-0	10-25
Wollastonite	13983-17-0	
Titanium Dioxide	13463-67-7	<1
Rock Wool ( Mineral Wool)	287922-11-6	<5
Silica, Crystalline	14808-60-7	<1
Note: Acrylonitrile-butadiene elastomer is used as a binder for this product.	-----	

## SECTION 4 FIRST AID MEASURES

**Eyes:** Flush the eyes with water for a 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 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

<b>Flash Point: Not Flammable</b>	<b>Method:</b> Not applicable
<b>Upper Flammable Limit (UFL):</b>	Not Applicable
<b>Lower Flammable Limit (LFL):</b>	Not Applicable
<b>Autoignition Temperature:</b>	Not Applicable
<b>Flammability Classification:</b>	Not Flammable

### Hazardous Products of Combustion

Material will burn slowly if ignited or exposed to excessive heat. Smoke, gases (carbon monoxide and carbon dioxide), and fumes from the acrylonitrile-butadiene elastomer and organic fiber will be emitted during a fire. See section 10.

### 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. Graphite dusts are electrically conductive. Accumulations of graphite dusts may cause shorting of electrical circuits and switches. Dust should not be emitted to the atmosphere where it may settle on and cause shorting of electrical equipment.

### Storage

The product is stable under all conditions of storage.

## 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.

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

### 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.

**Skin:** Special precautions are not normally necessary. If dust is generated, keep dust from contacting skin.

**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.

Use a NIOSH approved air purifying respirator with an R100 or P100 (high efficiency) filter cartridge in accordance with OSHA respirator program requirements (29CFR 1910.134).

**EXPOSURE GUIDELINES**

<b>Component</b>	<b>OSHA PEL (8 Hr. TWA)</b>	<b>ACGIH TLV (8 Hr. TWA)</b>
Kaolin	10 mg/m <sup>3</sup> (total dust)	10 mg/m <sup>3</sup> (total dust)
Carbon Black	3.5 mg/m <sup>3</sup> (total dust)	3.5 mg/m <sup>3</sup> (total dust)
Rock Wool (Mineral Wool)	15 mg/m <sup>3</sup> (total dust)	10 mg/m <sup>3</sup> (total dust)
Carbon Fiber	5 mg/m <sup>3</sup> (respirable dust)	10 mg/m <sup>3</sup> (total dust)
Natural Graphite	2.5 mg/m <sup>3</sup> (respirable dust)	2.0 mg/m <sup>3</sup> (respirable dust)
Wollastonite	15 mg/m <sup>3</sup> (total dust)	10 mg/m <sup>3</sup> (total dust)
Silica, Crystalline (Quartz)	10 mg/m <sup>3</sup> / %SiO <sub>2</sub> + 2 (resp) 30 mg/m <sup>3</sup> / %SiO <sub>2</sub> + 2 (total)	0.025 mg/m <sup>3</sup> (resp)
Titanium Dioxide	10 mg/m <sup>3</sup> (total dust)	10 mg/m <sup>3</sup> (total dust)

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Black colored sheet material or gaskets.

**Boiling Point:** Not Applicable

**Odor:** Fruity odor

**Freezing Point:** Not Applicable

**Physical State:** Solid

**Melting Point:**

**pH:** Not Applicable

**Solubility In Water:** Not Soluble

**Vapor Pressure:** Not Applicable

**Specific Gravity:** Not Applicable

**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 strong oxidizing agents.

**Materials to avoid:** Strong 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 carbon monoxide, carbon dioxide, and small amounts of nitrogen oxides, hydrogen cyanide, and acrylonitrile monomer. There may be others unknown to us.

**SECTION 11 TOXICOLOGICAL INFORMATION**

Toxicity data is available on the individual components. Call 315/597-4811 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**

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

- Crystalline Silica
- Carbon Black

(\*) The office of Environmental Health Hazard Assessment (OEHHA) of the California Environmental Protection Agency had added Carbon Black to the Proposition 65 Substance list which requires clear and reasonable warning for products that containing a chemical known by the state of California to cause cancer. This listing only pertains to airborne, unbound Carbon Black particles of respirable size. Exposure to Carbon Black does not occur when it remains bound within product matrix such as rubber, paint or ink.

**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 guide 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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