

DATE PREPARED: October 26, 2015

SUPERSEDES: July 16, 2012

SECTION 1 CHEMICAL AND COMPANY IDENTIFICATION

 PRODUCT NAME: **Thomson GC89**

 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)
Fibrous Glass	65997-17-3	
Polytetrafluoroethylene (PTFE)	9002-84-0	
Octylphenoxypoly (ethoxyethanol)	9036-19-5	

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This Style braided packing product consists of a proprietary lattice braided yarn, composed of a glass filament core with an organic fiber jacket. Prior to braiding, the yarn is impregnated with Polytetrafluoroethylene and Petrolatum Start Up Lube.

Adverse health effects would not be expected under normal recommended conditions of use, so long as prescribed safety precautions are practiced.

Maintain dust concentrations at low levels. Thermal decomposition products should be considered as toxic.

PRODUCT CONSTITUENTS LISTED AS CARCINOGENS

	IARC	OSHA	NTP
Fiber Glass Continuous Filament ^(a) (IARC Class 3 – Not Classifiable with respect to Human Carcinogenicity)	Yes	No	No

^(a) Includes: Nonrespirable glass particulate, Respirable glass particulate, and Respirable particulate with fiber-like dimensions (glass shards).

Potential Health Effects

Primary Routes of Entry:

Inhalation of dusts. Dermal and ocular contact.

Acute Effects Of Overexposure:

Fiber glass continuous filament is a mechanical irritant. Breathing dusts and fibers may cause short term irritation of mouth, nose and throat. Skin contact with dust and fibers may cause itching and short term irritation. Eye contact with dust and fibers may cause short term mechanical irritation. Ingestion may cause short term mechanical irritation of the stomach and intestines. Thermal decomposition products of Polytetrafluoroethylene may cause 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:

Respiratory or skin conditions that are aggravated by mechanical irritants may be at increased risk for worsening from exposure to the fibrous glass in this product. Smoking may aggravate the effects of exposure to PTFE decomposition products.

SECTION 4 FIRST AID MEASURES

Eyes: Flush the eyes with water for at least 15 minutes. Do not rub eyes. 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: No specific intervention is indicated, as product is not likely to be hazardous by ingestion. Consult a physician if necessary.

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 Applicable

Method: Not Applicable

Upper Flammable Limit (UFL):

Not Applicable

Lower Flammable Limit (LFL):

Not Applicable

Autoignition Temperature:

Not Determined

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, acrylonitrile monomer, hydrogen cyanide, 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.

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: Use of impervious gloves is recommended.

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 vapors as a result of thermal decomposition wear a NIOSH approved respirator suitable for the anticipated airborne concentration.

Exposure Guidelines

Component	(8 Hr. TWA) OSHA PEL	8 Hr. TWA ACGIH TLV
Fibrous Glass Nonrespirable fibers and Particulate	15.0 mg/m ³ (total dust)	5.0 mg/m ³ (respirable fraction)
Respirable Particulate	5.0 mg/m ³ (respirable dust)	3.0 mg/m ³ (PNOC)
Respirable particulate with fiber like dimensions (glass shards)	None Established	1 fiber/cc (respirable)
Polytetrafluoroethylene	None Established	None Established
Octylphenoxy poly (ethoxyethanol)	None Established	None Established

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Braided Packing. White color.	Boiling Point:	Not Applicable
Odor:	Slight hydrocarbon odor	Freezing Point:	Not Applicable
VOC Content:	Not Applicable	Melting Point:	Gel Point of PTFE is approximately 341C (646F)
pH:	Not Applicable	Solubility In Water:	< 5% by weight
Vapor Pressure:	Not Applicable	Specific Gravity:	Not determined
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: Strong alkali and oxidizing materials. 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, acrylonitrile monomer, hydrogen cyanide, 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 more 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 Known.

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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