



SAFETY DATA SHEET⁽¹⁾

SECTION 1 - IDENTIFICATION

PRODUCT (As Used on Label and List)

GEMINI- GX

Other means of identification: Not available

Recommended use: As Friction Material

Restrictions on use: None

Manufacturer: Scan-Pac Manufacturing Inc.

Address: N84W13480 Leon Rd., Menomonee Falls, WI 53051.

Telephone number: (262) 255-2320

Emergency phone number: (262) 506-4853

Prepared By: Research & Development Department

SECTION 2 – HAZARD(S) IDENTIFICATION

Under normal handling conditions solid friction materials as shipped are considered non-hazardous. However, processing operations (machining, riveting, drilling, or over-heating, etc..) can produce airborne particles or fumes. Over exposure to these dusts should be considered hazardous.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS⁽²⁾

This product contains a variety of fibers, fillers, abrasives, lubricants and rubbers in a chemically and physically bound system and do not necessarily exhibit the properties of the individual ingredients. GX is absolutely asbestos free. Consequently, the area of focus is believed to be the control of dust generated from handling and machining operations on the finished product. (Refer Section 4 First aid measures and Section 8 Exposure Controls / Personal Protection).

SECTION 4 – FIRST AID MEASURES

Emergency and First Aid Procedures: Should not be required in normal handling of product. However, processing operations (machining, riveting, drilling, or over heating etc) can produce airborne particles or fumes. Over exposure to these dusts should be considered hazardous

Inhalation: Dust may cause irritation. Move to fresh air. Seek medical attention if irritation persists.

Skin: Prolonged skin contact may cause skin sensitization, irritation and/or dermatitis. Wash thoroughly with soap and water. If irritation persists, seek medical attention

Eye: Dust may cause irritation and redness. Particles may scratch the eye. Flush with water to remove particulate. Seek immediate medical attention if symptoms persist.

Ingestion: Ingestion may cause irritation, nausea, vomiting and diarrhea. Seek medical attention.

Chronic: Repeated inhalation of dust over time may cause fibrotic lung disease and increased risk of sinus and respiratory cancer. Long-term dust inhalation may also harm the nervous, gastrointestinal, renal and hematological systems.

Medical Conditions Generally Aggravated By Exposure: NK/NA

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: N/A

Flammable Limits: N/A

Extinguishing Media: Any normal extinguishing media may be used in the vicinity of the product. Use that appropriate to the surrounding fire.

Unusual Fire and Explosion Hazards: None. When heated to very high temperatures, may give off smoke and decomposition products which may contain toxic compounds.

Special Fire Fighting Procedures: Positive pressure, self contained breathing apparatus.

Auto ignition temperature: Stable, will not burn or support combustion. No known incompatibles.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Grinding, drilling, milling, etc. can result in the release of airborne dust. Remove the dust by vacuuming or wet mopping. Vacuums used for this purpose should be equipped with HEPA filters. Do not use compressed air to blow dust in the workplace.

SECTION 7 – HANDLING AND STORAGE

Store the materials in a dry place. Avoid creating dust or airborne particulate. Use approved vacuum or wet methods to remove dust. Vacuums used for this purpose should be equipped with HEPA filters. Do not use compressed air to blow dust. Avoid breathing dust. Use respirator if dust becomes airborne. After handling, wash with mild soap and cold water. Wash clothes separately. Protective sleeves and creams may be necessary for employees with sensitive skin.

SECTION 8 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory Protection (Specify Type): NIOSH approved for pneumoconiosis-fibrosis producing dusts and dusts with TLV not less than 0.05 mg/m^3

Occupational Exposure Limits for dusts:

Total inhalable dust : 10 mg/m^3 for 8 hr Time weighted Average

Respirable Dust : 5 mg/m^3 for 8 hr Time weighted Average

Ventilation:

Local Exhaust: For Dust exposure exceeding TLV.

Mechanical (General): Remove dust with HEPA vacuum system

Special: NA/NK

Other: NA/NK

Protective Gloves: Suggested for sensitive persons.

Eye Protection: Should not be needed for normal handling of product but is good practice where dust is propelled.

Protective Clothing or Equipment: Long sleeved shirts or other protective clothing may

be beneficial to prevent skin contact of sensitive persons.

Work/Hygienic Practices: Employees should be properly instructed in the use of control measures as indicated above when there is a need for it. If dust from this product is produced, unnecessary accumulation of dust should be avoided.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Dark grey, molded composite.

Odor : Characteristic light "fishy" smell at room temperature.

Specific Gravity : 2.0 - 2.1 g/cm³.

Melting Point : Not applicable.

Boiling Point : Not applicable.

Flash Point : Non flammable.

Flammability : Non flammable.

Auto flammability : Non flammable.

Explosive Properties : None known.

Oxidizing Properties : Not applicable.

Vapor Pressure : Not applicable.

Water Solubility : Insoluble in water.

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable at normal temperatures and storage conditions

Condition to Avoid: NA/NK

Incompatibility (Materials to Avoid): NK

Conditions to Avoid: NA/NK

Hazardous Polymerization: Will not occur. This product is fully cured.

Hazardous Decomposition or By-Products: Oxides of carbon, nitrogen, hydrocarbons, ammonia and other trace organic compounds.

SECTION 11 - TOXICOLOGICAL INFORMATION

Occupational Exposure Limits :

Refer to Section 8 Exposure Control / Personal Protection for Dust occupational exposure limits

Toxicity :

None Known

Sensitization :

No evidence listed to our knowledge.

Carcinogenicity :

No evidence listed to our knowledge.

Mutagenicity :

No evidence listed to our knowledge.

Toxic For Reproduction :

No evidence listed to our knowledge.

Narcosis :

No evidence listed to our knowledge.

As manufactured, all ingredients have become part of a bound system both physically and chemically and as such do not necessarily exhibit the properties of the individual components.

SECTION 12 – ECOLOGICAL INFORMATION

This product is an asbestos free friction material.

SECTION 13 – DISPOSAL CONSIDERATIONS

Comply with applicable Federal, State and Local regulations. Waste should be placed in airtight containers. Properly mark all containers with appropriate labeling and dispose in landfill in compliance with 49CFR261, 40CFR262 and applicable state and local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

Proper Shipping Name: Not regulated
Hazard Class: N/A
Identification Number: N/A
Packing Group: N/A
Shipping Label: None
Additional Marking Requirement: None

SECTION 15 – REGULATORY INFORMATION

E.E.C. Classification :

No requirement.

Refer to :

Health and Safety at Work etc Act 1974.

Control of Substances Hazardous to Health Regulations.

EH 40 / 96 Exposure Limits

This safety data sheet should not constitute the users own workplace risk assessment as required by health and safety legislation.

SECTION 16 – OTHER INFORMATION

The product does not contain any deliberate addition of asbestos.

Abbreviations:

N/A: Not Applicable

N/K: Not Known

ISSUED BY: SCAN-PAC MANUFACTURING INC.

ISSUE DATE: 03/07/2018

(1) Notwithstanding the preparation and delivery of this Material Safety Data Sheet, Scan-Pac Mfg., Inc's position is that the products identified herein meet the definition of an "article" and are exempt from the Hazard Communication Standard, 29 C.F.R. 191031200.

Exact formulations of the product identified herein are considered proprietary and confidential and will not be revealed except in accordance with the Hazard Communication Standard.

This Safety Data Sheet has been prepared solely for the purpose of complying with 29 C.F.R. 1910.1200, if deemed necessary by the recipient hereof. The information given herein is based, in part, on data supplied by various chemical manufacturers. While the information set forth herein is believed to be accurate, Scan-Pac Mfg., Inc. makes no representation or warranty as to its accuracy or completeness and said information is furnished independently of any sale of the products identified herein. Scan-Pac Mfg., Inc. shall in no event be responsible for any damages of whatever nature, directly or indirectly, resulting from the publication or use or reliance upon data contained herein. No express or implied warranties of merchantability or fitness for use, with respect to the products or data herein, is made hereunder.
