

**HAZARD COMMUNICATION SAFETY DATA SHEET
COMPRESSED NON-ASBESTOS GASKET SHEET**

SECTION I – PRODUCT INFORMATION

Distributor's name: Allied Rubber & Gasket Company, Inc. - ARGCO
3145 Tiger Run Court #105
Carlsbad, CA 92010
For information call: (800) 854-1015
Date prepared: 1/24/2022
Product name: NON-ASBESTOS GASKET SHEET
Recommended Use: PIPE GASKETING MATERIAL

SECTION II – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a solid gasket material that presents no health or physical hazards under normal conditions of use. The hazardous components in this product are not volatile and bound in a polymer matrix so exposure to these chemicals does not occur under normal handling conditions. Inhalation of dust that may be generated in cutting or other processing may cause eye and respiratory irritation. Prolonged inhalation of dust may cause lung damage and cancer. Minimize exposure to airborne dust.

Potential Health Effects:

Eye Contact: Dust may cause irritation and mechanical, abrasion injury.

Skin Contact: No irritation or other adverse effects are expected.

Ingestion: No toxic effects are expected. Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation: Inhalation of dust that may be generated in processing may cause throat and upper respiratory tract irritation.

Chronic Hazards: Prolonged inhalation of dust may cause a fibrotic lung disease (pneumoconiosis) and lung cancer. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function. This disease is exacerbated by smoking. Individuals with pneumoconiosis are predisposed to develop tuberculosis.

Medical Conditions Aggravated By Exposure: Pre-existing lung conditions may be aggravated by exposure to dust.

Carcinogen: Respirable crystalline silica is listed as a known human carcinogen by IARC (Group 1) and NTP. None of the other components of this product are listed as a carcinogen by IARC, NTP or OSHA.

SECTION III – COMPOSITION/INGREDIENTS

CAS#	Component	Percentage
Proprietary	Nitrile and Natural Rubbers	10-30%
26125-61-1	Aramid Fiber	2-12%
9004-34-6	Cellulose Fiber	1-5%
1332-58-7	Kaolin	20-50%
7727-43-7	Barium Sulfate	3 -10%
112926-00-8	Hydrated Amorphous Silica	3-10%
12001-26-2	Mica	3-10%
1314-13-2	Zinc Oxide	<2%
9003-35-4	Phenolic Resin	<2%
14808-60-7	Crystalline Silica, quartz	<2%

SECTION VI – FIRST AID MEASURES

Eyes:	Flush with plenty of water, especially under eyelids. Get medical attention if irritation persists.
Skin:	No adverse effects are expected. Wash with soap and water.
Inhalation:	If irritation or other symptoms occur, remove to fresh air. Get medical attention if irritation or symptoms persist.
Ingestion:	No adverse effects are expected. Consult a physician if large amounts are swallowed.

SECTION V – FIRE FIGHTING MEASURES

Flash Point: Not applicable Flammability Limits: Not applicable

Extinguishing Media: Use any extinguishing media that is appropriate for the surrounding fire.

This product is an ordinary combustible. Water is most effective.

Special Fire Fighting Procedures: Fight as any normal fire using SCBA and full protective clothing where exposed to smoke.

Unusual Fire and Explosion Hazards: Solid product will burn slowly under fire conditions. Fine dusts that may be generated during processing may present a greater fire and explosion hazard.

Hazardous Combustion Products: Thermal decomposition can yield carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide and small amounts of aliphatic and aromatic hydrocarbons.

SECTION VI – ACCIDENTAL RELEASE MEASURE

Pick-up solid gasket material for reuse or disposal. No special precautions required. For dust that may be generated, collect with methods such as vacuuming or wet wiping, that minimizes the generation of airborne dust. Only vacuum using a HEPA filter equipped vacuum cleaner.

SECTION VII – HANDLING & STORAGE

- Handling:** Avoid creation and inhalation of dust. Provide local exhaust ventilation at points where dust may be generated during cutting and processing. Do not use compressed air for cleaning. Follow good housekeeping procedures to minimize the accumulation of dust in the workplace.
- Storage:** No special storage required.

SECTION VIII-EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	Exposure Limit/Source
Nitrile and Natural Rubbers	None Established
Aramid Fiber	None Established
Cellulose Fiber 5	mg/m ³ (respirable), 15 mg/ m ³ (total dust) TWA OSHA PEL 10 mg/m ³ TWA ACGIH TLV
Kaolin	5 mg/m ³ (respirable), 15 mg/ m ³ (total dust) TWA OSHA PEL 2 mg/m ³ TWA (respirable) ACGIH TLV
Barium Sulfate	5 mg/m ³ (respirable), 15 mg/ m ³ (total dust) TWA OSHA PEL 10 mg/m ³ TWA ACGIH TLV
Hydrated Amorphous Silica	80 mg/m ³ / %SiO ₂ TWA OSHA PEL
Mica	20 mppcfa TWA OSHA PEL 3 mg/m ³ TWA (respirable) ACGIH TLV
Zinc Oxide	5 mg/m ³ (respirable), 15 mg/ m ³ (total dust) TWA OSHA PEL 2 mg/m ³ TWA (respirable) ACGIH TLV 10 mg/m ³ (respirable) STEL ACGIH TLV
Phenolic Resin	None Established
Crystalline Silica, quartz	10 mg/m ³ / %SiO ₂ +2 TWA OSHA PEL 0.025 mg/m ³ TWA (respirable) ACGIH TLV

Definitions:

PEL means OSHA Permissible Exposure Limit.

TLV means American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value.

TWA means time-weighted average.

STEL means short-term exposure limit.

Ventilation: No special ventilation required for handling solid gasket material. Local exhaust or process enclosures may be needed if dust is generated in processing.

Respiratory Protection: None required for handling solid gasket material. If processing generates dust and engineering controls are not available to control the exposures, appropriate respiratory protection may be required. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

Skin Protection: None required for handling solid gasket material. If dust is generated in processing, wear appropriate gloves.

Eye Protection: None required for handling solid gasket material. Follow facility requirements. If dust is generated in processing, wear safety goggles.

Other Protective Equipment: None normally required. Wear protective clothing in dusty environments.

SECTION IX- PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity: 1.75

Water Solubility: Insoluble

Flash Point (Method Used): Not applicable

Autoignition Temp: Not determined

Flammable Limits: LEL: Not applicable

UEL: Not applicable

Appearance and Odor: Flat or rolled sheet ranging from 1/64" through 1/8" in thickness; or material may be cut into gasket shapes.

Color: Green

SECTION X- CHEMICAL STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Incompatibility/Conditions to Avoid: Avoid contact with strong oxidizers and open flames.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: Thermal decomposition can yield carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide and small amounts of aliphatic and aromatic hydrocarbons.

SECTION XI-TOXICOLOGICAL INFORMATION

The hazardous components in this product are not volatile and bound in a polymer matrix so exposure to these chemicals does not occur under normal handling conditions. Prolonged inhalation of dust that may be generated in processing may cause lung disease and cancer. Inhalation of zinc oxide may cause metal fume fever, characterized by metallic taste in the mouth and flu-like symptoms. Symptoms resolve in 24-48 hours.

SECTION XII- ECOLOGICAL INFORMATION

These products are inert solids. They are not expected to present any hazard to the environment under normal conditions.

SECTION XIII- DISPOSAL CONSIDERATIONS

Waste Disposal Method: These products may be classified as hazardous waste under US EPA RCRA regulations due to leachable barium content. Dispose in accordance with all applicable local, state/provincial and federal regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

SECTION XIV-TRANSPORTATION INFORMATION

U.S. DOT HAZARD CLASSIFICATION

Proper Shipping Name: Not Regulated

Technical Name: Not applicable

UN Number: Not applicable

Hazard Class/Packing Group: Not applicable

Labels Required: None

SECTION XV-REGULATORY INFORMATION

EPA SARA 311 Hazard Classification: Chronic Health

EPA SARA 313 Chemicals: This product contains the following chemicals listed under SARA 313:
Zinc Compounds <2%

Hazardous Substance (40CFR 116) CERCLA: None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

California Proposition 65: This product contains the following chemicals known to the State of California to cause cancer: Crystalline Silica <2%.

Superfund Amendments and Reauthorization act of 1986 (SARA)

Hazard categories	Immediate hazard- Yes
	Delayed Hazard- No
	Fire Hazard- No
	Pressure Hazard- No
	Reactivity Hazard No

Section 302 extremely hazardous substance	No
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SECTION XVI- OTHER INFORMATION

NFPA Hazard Rating: Health: 0 Fire: 1 Reactivity: 0

HMIS Hazard Rating: Health: 1* Fire: 1 Reactivity: 0

* Chronic Health Hazard

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