

MATERIAL SAFETY DATA SHEET

ITEM 1

PRODUCT IDENTIFICATION: FIBERGLASS - ALL PRODUCTS

MANUFACTURER: SPECIALTY GASKETS, INC.
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SECTION I - COMPONENT DATA

HAZARDOUS INGREDIENTS

<u>COMMON NAME</u>	<u>CHEMICAL NAME</u>	<u>C.A.S. NUMBER</u>	<u>WT. %</u>
FIBERGLASS CONTINUOUS FILAMENT (NON RESPIRABLE)	FIBROUS GLASS	65997-17-3	98-100%

SECTION II - PHYSICAL DATA

BOILING POINT (F):	NA
SPECIFIC GRAVITY (H ₂ O=1):	2.60
MELTING POINT:	NA
VAPOUR DENSITY (AIR=1):	NA
VAPOUR PRESSURE (mmHg @ 20C):	NA
PERCENT VOLATILE BY VOLUME:	NA
EVAPORATION RATE (ETHYL ETHER=1):	NA
SOLUBILITY IN WATER:	INSOLUBLE
APPEARANCE:	WHITE TO OFF WHITE SOLID/ROLL
ODOUR:	NO ODOUR

FOR POLYESTER BINDER

ACUTE: UPPER RESPIRATORY TRACT IRRITATION.

CHRONIC: NONE KNOWN.

SKIN CONTACT

ACUTE: TRANSIENT MECHANICAL IRRITATION. MAY CAUSE ITCHING AND SHORT TERMS IRRITATION.

CHRONIC: NONE KNOWN.

EYE CONTACT

ACUTE: CONTACT MAY CAUSE SHORT TERM MECHANICAL IRRITATION.

CHRONIC: NONE KNOWN.

INGESTION

ACUTE: UNLIKELY TO OCCUR. MAY CAUSE SHORT TERM MECHANICAL IRRITATION OF THE STOMACH AND INTESTINES.

SIGNS AND SYMPTONS OF EXPOSURE:

ITCHING AND IRRITATION OF UPPER RESPIRATORY TRACT. POLYESTER CAUSES UNPLEASANT DEPOSITS IN EYES, EARS, AND NASAL PASSAGES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ANY CONDITION GENERALLY AGGRAVATED BY MECHANICAL IRRITATION IN AIR OR ON SKIN.

EXPOSURE LIMITS:

<u>HAZARDOUS INGREDIENTS</u>	<u>OSHA PEL (mg/M3)</u>	<u>ACGIH TLV (mg/M3)</u>	<u>OTHER RECOMMENDED SOURCE</u>
FIBROUS GLASS	5 mg/M3 (RESPIRABLE NUISANCE DUST)	10mg/M3	3 X 10 (6) FIBRES/M3 (NIOSH)

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): NA
METHOD USES: NA
FLAMMABILITY LIMITS: NA
LEL: NA UEL: NA
AUTO IGNITION TEMPERATURE (F): NA
EXTINGUISHING MEDIA: WATER, FOAM, CO2, DRY CHEMICAL

SPECIAL FIRE FIGHTING INSTRUCTIONS:
IN A SUSTAINED FIRE, SELF CONTAINED BREATHING APPARATUS SHOULD
BE WORN.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION IV - REACTIVITY DATA

STABILITY (CONDITIONS TO AVOID): STABLE (NONE)

INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID): NONE

HAZARDOUS DECOMPOSITION PRODUCTS:
SIZINGS AND BINDERS MAY DECOMPOSE IN A FIRE. PRIMARY DECOMPOSITION
PRODUCTS INCLUDE CARBON MONOXIDE, CARBON DIOXIDE, AND WATER. OTHER
UNDETERMINED COMPOUNDS COULD BE RELEASED IN SMALL QUANTITIES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: INHALATION, SKIN, EYE

HEALTH HAZARDS (ACUTE)

INHALATION: FOR FIBROUS GLASS

ACUTE: MECHANICAL IRRITATION OF THE MOUTH, NOSE AND
(SHORT TERM) THROAT.

CHRONIC: THERE IS NO KNOWN HEALTH EFFECTS CONNECTED WITH
LONG TERM USE OR CONTACT WITH THIS PRODUCT.

POLYESTER RESIN (AS NUISANCE DUST)	15 mg/M3	10mg/M#	NONE
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CARCINOGENICITY:

<u>HAZARDOUS INGREDIENTS</u>	<u>NTP LISTED</u>	<u>IARC CLASSIFIED</u>	<u>OSHA REGULATED</u>
FIBROUS GLASS	NO	*YES	NO

* CATEGORIZED AS NOT CLASSIFIABLE RELATIVE TO HUMAN CARCINOGENICITY, SEE SECTION V HEREIN.

POLYESTER	NO	NO	NO
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SECTION VI - EMERGENCY AND FIRST AID PROCEDURES

INHALATION:	MOVE INDIVIDUAL TO FRESH AIR, SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.
SKIN:	WASH WITH MILD SOAP AND RUNNING WATER. USE A WASHCLOTH TO HELP REMOVE FIBRES. TO AVOID FURTHER IRRITATION DO NOT RUB OR SCRATCH IRRITATED AREAS. RUBBING OR SCRATCHING MAY FORCE FIBRES INTO THE SKIN. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.
EYES:	FLUSH WITH FLOWING WATER FOR AT LEAST 15 MINUTES AND IF SYMPTOMS PERSISTS, SEEK IMMEDIATE MEDICAL ATTENTION.
INGESTION:	INGESTION OF THIS MATERIAL IS UNLIKELY. IF IT DOES OCCUR, WATCH THE PERSON FOR SEVERAL DAYS TO MAKE SURE INTESTINAL BLOCKAGE DOES NOT OCCUR.

SECTION VII - SPECIAL HANDLING INFORMATION

VENTILATION:	MAY BE REQUIRED IN SOME OPERATIONS, SUCH AS DUST GENERATING MANUFACTURING OR FABRICATION OPERATIONS. SHOULD BE PROVIDED AS NECESSARY TO MAINTAIN EXPOSURES BELOW REGULATORY LIMITS.
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WORK HYGIENIC PRACTICES:

DUST PREVENTION - DUST COLLECTION SYSTEMS SHOULD BE USED IN FABRICATION OPERATIONS THAT HAVE POTENTIAL FOR EXPOSURE TO DUST AND GLASS FIBRES.

CLEANLINESS - THE WORK AREA SHOULD BE KEPT CLEAN OF DUST GENERATING DEBRIS. KEEP WASTE DISPOSAL EQUIPMENT CLOSE TO THE WORKING AREA TO AVOID UNNECESSARY HANDLING OF WASTE MATERIALS.

EYE PROTECTION - SAFETY GLASSES, GOGGLES OR FACE SHIELDS SHOULD BE WORN WHENEVER FIBERGLASS CONTINUOUS FILAMENT PRODUCTS ARE BEING UTILIZED IN SUCH A MANNER THAT DUST OF FIBRES MAY GET INTO THE EYES.

AVOID IRRITATION - BE CAREFUL NOT TO RUB OR SCRATCH IRRITATED AREAS. RUBBING OR SCRATCHING MAY FORCE THE FIBRES INTO THE SKIN. THE FIBRES SHOULD BE WASHED OFF. USE OF BARRIER CREAMS CAN, IN SOME INSTANCES, BE HELPFUL.

WORK CLOTHES - WEAR LOOSE FITTING, LONG SLEEVED CLOTHING THAT COVERS THE BASE OF THE NECK, LONG PANTS AND GLOVES. SKIN IRRITATION IS KNOWN TO OCCUR CHIEFLY AT PRESSURE POINTS SUCH AS AROUND THE NECK, WRIST, WAIST AND BETWEEN FINGERS. GLOVES MAY BE USEFUL IN SOME APPLICATIONS. USE VACUUM EQUIPMENT TO REMOVE FIBRES FROM CLOTHES. COMPRESSED AIR SHOULD NEVER BE USED.

ALWAYS WASH WORK CLOTHES SEPARATELY AND WIPE OUT WASHER/SINK IN ORDER TO PREVENT LOOSE GLASS FIBRES FROM GETTING IN OTHER ARTICLES.

USE OF RESPIRATORS - A PROPERLY FITTED NIOSH/MSHA APPROVED DISPOSABLE DUST RESPIRATOR SUCH AS THE 3M MODEL 8710 OR MODEL 9900 (IN HIGH HUMIDITY ENVIRONMENTS) OR EQUIVALENT SHOULD BE USED WHEN: HIGH DUST LEVELS ARE ENCOUNTERED; THE LEVEL OF GLASS FIBRES IN THE AIR EXCEEDS THE OSHA PERMISSIBLE LIMITS; OR IF IRRITATION OCCURS. USE RESPIRATORY PROTECTION IN ACCORDANCE WITH YOUR COMPANY'S RESPIRATORY PROTECTION PROGRAM. LOCAL REGULATION AND OSHA REGULATIONS UNDER 29 CFR 1910.134.

SECTION VIII - ENVIRONMENTAL PROTECTION

**ACTION TO TAKE FOR SPILLS (USE APPROPRIATE SAFETY EQUIPMENT):
FOR SOLID PRODUCT, NOT APPLICABLE. FOR DUSTS AND FIBRES GENERATED DURING
FABRICATION VACUUM UP AND CONTAINERIZE.**

**WASTE DISPOSAL METHOD - DISPOSE IN ACCORDANCE WITH FEDERAL, STATE,
AND LOCAL REGULATIONS AS A SOLID NON-HAZARDOUS WASTE. THE PRIMARY METHOD
OF DISPOSAL IS IN A MUNICIPAL OR INDUSTRIAL LANDFIL.**

**EPA HAZARDOUS WASTE NUMBER - NA
THIS MATERIAL IS NOT REGULATED UNDER THE "RCRA" HAZARDOUS WASTE
REGULATIONS.**

SECTION IX - SPECIAL PRECAUTIONS/ADDITIONAL INFORMATION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE - NONE REQUIRED.

**D.O.T. INFORMATION - HAZARDOUS MATERIAL PROPER SHIPPING NAME - NOT
REGULATED BY D.O.T.**

HAZARDOUS CLASS - NON-HAZARDOUS

SECTION X - REGULATORY INFORMATION

TSCA STATUS: EACH INGREDIENT IS ON THE INVENTORY.

NSR STATUS (CANADA): EACH INGREDIENT IS ON THE DSL.

SARA TITLE III: HAZARDOUS CATERGORIES:

ACUTE HEALTH:	YES
CHRONIC HEALTH:	NO
FIRE HAZARD:	NO
PRESSURE HAZARD:	NO
REACTIVITY HAZARD:	NO

REPOTABLE INGREDIENTS:

SEC. 302/304:	NONE
SEC. 313:	NONE

CALIFORNIA PROPOSITION 65: NO INGREDIENT LISTED.

CLEAN AIR ACT: NO INGREDIENT LISTED.

WHMIS (CANADA):

STATUS: NOT CONTROLLED

WHMIS CLASSIFICATION(S): NONE

SECTION XI - OTHER INFORMATION

HMIA AND NFPA HAZARD RATING:

<u>CATEGORY</u>	<u>HMIS</u>	<u>NFPA</u>
ACUTE HEALTH	1	1
FLAMMABILITY	0	0
REACTIVITY	0	0

NFPA UNUSAL HAZARDS:

NONE

HMIS PERSONAL PROTECTION:

TO BE SUPPLIED BY USER DEPENDING
UPON USE.

REVISION SUMMARY: THIS MSDS SHEET REPLACES THE APRIL 1996 MSDS.