

MATERIAL SAFETY DATA SHEET

MANUFACTURER:

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TRADE NAME: STAR BRITE LIQUID GASKET**PRODUCT NO.** 82910

SECTION I - GENERAL INFORMATION

Call for information

SECTION II - HAZARDOUS INGREDIENTS AS DEFINED IN 29 CFR 1910.1200 (CARCINOGENS IDENTIFIED WITH AN ASTERISK*)

<u>CAS NO.</u>	<u>INGREDIENT</u>	<u>WT %</u>	<u>EXPOSURE LIMITS</u>
004253343	METHYLTRIAACETOXSILANE	1-5	SEE COMMENT BELOW.
63148-62-9	DIMETHYL POLYSILOXANE	80-85	SEE COMMENT BELOW
007631869	SILICA, AMORPHOUS	10-15	OSHA PEL: TWA 6 MG/M3 ACGIH TLV: TWA 10 MG/M3 TOTAL DUST

SECTION III - EFFECTS OF OVEREXPOSURE

EYE: DIRECT CONTACT IRRITATES SLIGHTLY TO MODERATELY WITH REDNESS AND SWELLING.

SKIN: A SINGLE SHORT EXPOSURE (LESS THAN 24 HOURS) MAY IRRITATE. REPEATED PROLONGED CONTACT (24 TO 48 HOURS) MAY IRRITATE MODERATELY.

INHALATION: VAPOR OVEREXPOSURE MAY IRRITATE EYES, NOSE AND THROAT.

ORAL: SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE, ETC., SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY CAUSE DIGESTIVE DISCOMFORT.

COMMENTS: NO INJURY FROM DUSTS SHOULD OCCUR DURING REASONABLE USE. IF USE CREATES RESPIRABLE PARTICLES SOME RESPIRATORY SYSTEM INJURY MAY OCCUR. CURED SEALANT IS NON-HAZARDOUS. THE ABOVE LISTED POTENTIAL EFFECTS OF OVEREXPOSURE ARE BASED ON ACTUAL DATA, RESULTS OF STUDIES PERFORMED UPON SIMILAR COMPOSITIONS, COMPONENT DATA AND/OR EXPERT REVIEW OF THE PRODUCT. OVEREXPOSURE TO ANY CHEMICAL MAY RESULT IN ENHANCEMENT OF PRE-EXISTING ADVERSE MEDICAL CONDITIONS AND ALLERGIC REACTIONS.

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: WIPE OFF AND FLUSH WITH WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.

INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF ILL EFFECTS PERSIST.

ORAL: NO FIRST AID SHOULD BE NEEDED.

COMMENT: NONE

SECTION V - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): OPEN CUP ABOVE 250°F/120°C

AUTOIGNITION: NOT DETERMINED

FLAMMABILITY LIMITS IN AIR: LOWER: N.D. UPPER: N.D.

EXTINGUISHING MEDIA: WATER WATER FOG X CO2 X DRY CHEMICAL X FOAM X
OTHER

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE.

COMMENTS: N.D. - NOT DETERMINED.

SECTION VI - PHYSICAL DATA

BOILING POINT (@ 760 MM HG): NOT APPLICABLE

SPECIFIC GRAVITY (AT 77BF/25BC): 1.03

MELTING POINT: NOT APPLICABLE

VAPOR PRESSURE (AT 77BF/25BC): LESS THAN 5 MM

VAPOR DENSITY (AIR = 1 AT 77BF/25BC): ABOVE 1

PERCENT VOLATILE BY WEIGHT (%): LESS THAN 5

EVAPORATION RATE (ETHER = 1): NOT APPLICABLE

SOLUBILITY IN WATER (%): LESS THAN 0.1

ODOR, APPEARANCE, COLOR: ACETIC ACID-LIKE, PASTE, RED.

SECTION VII - REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY (MATERIAL TO AVOID): OXIDIZING MATERIAL CAN CAUSE A REACTION. AIR
OR MOISTURE CAUSES CURING AND ACETIC ACID VAPORS FORM.

CONDITIONS TO AVOID: EXPOSURE TO AIR OR MOISTURE UNTIL READY TO USE.

HAZARDOUS DECOMPOSITION PRODUCTS: IRON OXIDES, SILICON DIOXIDE, CARBON DIOXIDE
AND TRACES OF INCOMPLETELY BURNED CARBON PRODUCTS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

CONDITIONS TO AVOID: NOT APPLICABLE

COMMENTS: NONE

SECTION VIII - SPILL, LEAK, MAINTENANCE/REPAIR AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE PRODUCT AND
CONTAIN FOR SALVAGE OR DISPOSAL.

PROTECTIVE EQUIPMENT:

EYES: USE PROPER PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CONTAMINATED
CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE.
RUBBER OR PLASTIC GLOVES ARE RECOMMENDED.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS
ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL
GUIDELINES.

SECTION VIII - SPILL, LEAK, MAINTENANCE/REPAIR AND DISPOSAL PROCEDURES (CONT'D)

WASTE DISPOSAL METHOD: STAR BRITE SUGGESTS THAT ALL LOCAL, STATE AND FEDERAL REGULATIONS CONCERNING HEALTH AND POLLUTION BE REVIEWED TO DETERMINE APPROVED DISPOSAL PROCEDURES. CONTACT STAR BRITE IF THERE ARE ANY DISPOSAL QUESTIONS.

D.O.T. (49 CFR 171.8)/E.P.A. (40CFR 117) SPILL REPORTING INFORMATION

HAZARDOUS SUBSTANCE: NONE
APPLICABLE

REPORTABLE QUANTITY: NOT

CONCENTRATION OF HAZARDOUS SUBSTANCE: NOT APPLICABLE

REPORTABLE QUANTITY OF PRODUCT: NOT APPLICABLE

COMMENTS: PRODUCT CONTAINS NO INGREDIENT SUBJECT TO D.O.T. OR E.P.A. CERCLA/SARA ENVIRONMENTAL RELEASE REPORTING REGULATIONS. SEE SEC. XI FOR ADDITIONAL SARA COMPLIANCE INFORMATION.

SECTION IX - ROUTINE HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT:

EYES: USE PROPER EYE PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN *: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CONTAMINATED CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE. RUBBER OR PLASTIC GLOVES ARE RECOMMENDED.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES.

VENTILATION:

LOCAL EXHAUST: RECOMMENDED

MECHANICAL (GENERAL): RECOMMENDED

SUITABLE RESPIRATOR: ORGANIC VAPOR TYPE.

THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING, USE AT ELEVATED TEMPERATURES, OR AEROSOL/SPRAY APPLICATIONS, MAY REQUIRE ADDED PRECAUTIONS.

* GOOD PRACTICE REQUIRES THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING OR SMOKING.

COMMENTS: AVOID BREATHING VAPORS AND EYE AND SKIN CONTACT. USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY.

SECTION X - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE BELOW 90BF/32BC.
USE REASONABLE CARE AND CAUTION.

OTHER PRECAUTIONS: PRODUCT FORMS ACETIC ACID (HOAC) WHEN EXPOSED TO WATER OR HUMID AIR. PROVIDE VENTILATION DURING USE TO CONTROL HOAC EXPOSURE WITHIN 10 PPM (CURRENT TLV) OR USE RESPIRATORY PROTECTION.

COMMENTS: TRACES OF FORMALDEHYDE (CARCINOGEN) MAY FORM IF HEATED IN AIR ABOVE 300BF/149BC. PROVIDE VENTILATION TO CONTROL VAPOR EXPOSURE WITHIN INHALATION GUIDELINES WHEN HANDLING AT ELEVATED TEMPERATURES. REVIEW THE OSHA FORMALDEHYDE REGULATIONS FOR DETAILED INFORMATION ON SAFE HANDLING REQUIREMENTS.

SECTION XI - COMMENTS

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.