

**JÄ-BAR**

SILICONE CORPORATION

## MATERIAL SAFETY DATA SHEET

DATED SEPT. 11, 03

1-99

Manufacturers of Silicone Rubber products since 1965

## MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet (MSDS) meets the requirements of the Federal OSHA Hazard Communications Standard (29 CFR 1910.1200).

## SECTION I. PRODUCT IDENTIFICATION

MATERIAL NAME: Silicone Rubber  
 CHEMICAL FAMILY: Formulated product  
 CHEMICAL NAME AND SYNONYMS: Methylvinylsiloxane  
 FORMULA: Ja-Bar Compound # 2515

## SECTION I A. HAZARDOUS COMPONENTS

INGREDIENTS	CAS #	OSHA PEL	ACGIH TLV
This material is not hazardous material as defined by the Federal Hazardous Substances Act.			

## SECTION II. PHYSICAL PROPERTIES

BOILING POINT, degrees F:	Not applicable
VAPOR PRESSURE, 68 deg.F mm. Hg:	Nil
VAPOR DENSITY (Air = 1):	Not applicable
SOLUBILITY IN WATER:	Negligible
APPEARANCE AND ODOR:	Characteristic Odor
SPECIFIC GRAVITY (Water = 1):	1.34
PERCENT VOLATILE (by weight):	Nil
EVAPORATION RATE (Ether = 1):	Nil
FLASH POINT, degrees F:	Not applicable
(method used)	Not applicable
FLAMMABLE LIMITS IN AIR, % LEL:	Not applicable
% UEL:	Not applicable

## SECTION III. FIRE HAZARDS

All standard firefighting equipment is suitable for extinguishing material.

## SECTION IV. FIREFIGHTING TECHNIQUES

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate non-essential personnel from the fire area. Fire fighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

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The test results contained herein are, to the best of our knowledge, accurate and exemplary of the specified material. However since JA-BAR nor the seller of these products controls its usage, it is recommended that all users conduct testing in their specific application to determine suitability. These products are sold without guarantee of results, freedom from patent infringement, and expressed or implied warranty, except as stated on JA-BAR's confirmation of order, certifications, and quotations.

Use standard fire fighting techniques to extinguish fires involving this material: use water spray, dry chemicals or carbon dioxide.

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#### SECTION V. TOXICOLOGY

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Toxicological testing has not been conducted with this material.

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#### SECTION VI. HUMAN HEALTH HAZARDS

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EYE CONTACT: No toxic effects expected.  
SKIN CONTACT: No toxic effects expected.  
INHALATION: No toxic effects expected.  
INGESTION: Not expected in industrial use.  
ACUTE EFFECTS OF EXPOSURE: None known  
CHRONIC EFFECTS OF EXPOSURE: None known

This material may release airborne contaminants  
Inhalation exposure should be avoided.

There are no data available which address medical conditions which are generally recognized as being aggravated by exposure to this product

This material contains crystalline silica which has been classified by the International Agency for Research on Cancer (IARC) as probably carcinogenic to humans (2A). Chronic inhalation may also lead to delayed lung injury (silicosis). However, due to the physical nature of this material, inhalation of silica dust is not anticipated. Crystalline silica has not been classified as carcinogenic by NTP or OSHA.

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#### SECTION VII. FIRST AID

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EYE CONTACT: Not Applicable  
SKIN CONTACT: Not Applicable

INGESTION: Due to the physical state of this material, ingestion is unlikely to occur.  
INHALATION: Not Applicable

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#### SECTION VIII. INDUSTRIAL HYGIENE

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ENGINEERING CONTROLS: In those cases where engineering controls are indicated by the use conditions, the following traditional exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment. Eyewash stations and safety showers should be easily assessable.  
INGESTION: All food should be kept in a separate area away from the

storage/use location. Eating, drinking and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Before eating, hands and face should be thoroughly washed.

EYE CONTACT: Eye contact should be avoided. In industrial situations chemical safety glasses, goggles or a face shield should be selected with regard to use condition exposure potential.

INHALATION: If use conditions generate airborne contamination, the material should be handled in an open (e.g. outdoor) or well ventilated area.

EXPOSURE LIMITS: No exposure limit has been established for this material. Exposure limits for its hazardous components, if any, are listed in Section IA on page one.

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#### SECTION IX. CHEMICAL REACTIVITY

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Relatively nonreactive.

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#### SECTION X. STABILITY

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Stable at ambient temperatures and atmospheric pressure.

HAZARDOUS DECOMPOSITION PRODUCTS: SiO<sub>2</sub>, CO, CO<sub>2</sub> and various hydrocarbon fragments.

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#### SECTION XI. SPILL HANDLING

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Make sure all personnel involved in the spill cleanup follow good industrial hygiene practices (refer to SECTION VIII: INDUSTRIAL HYGIENE).

(See SECTION XIV: DISPOSAL OF UNUSED MATERIAL)

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#### SECTION XII. CORROSIVITY TO MATERIALS OF CONSTRUCTION

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Noncorrosive to materials commonly used in the construction of process equipment, storage and shipping containers.

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#### SECTION XIII. STORAGE REQUIREMENTS

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Store in a cool, dry, well ventilated area. Exercise due caution to prevent damage to the container.

#### SECTION XIV. DISPOSAL OF UNUSED MATERIAL

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Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable regulations under the Resource Conservation and Recovery Act. NOTE: State and local regulations may be more stringent than Federal.

Empty containers may contain residual material. Do not reuse containers unless properly reconditioned.

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#### SECTION XV. DISPOSAL OF CONTAINER

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Dispose of empty containers according to any applicable regulations under the Resource Conservation and Recovery Act. NOTE: State and local regulations may be more stringent than Federal.

Empty containers may contain residual material. Do not reuse containers unless properly reconditioned.

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#### SECTION XVI. REGULATORY INFORMATION

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TSCA: This material or its components are listed on the TSCA Chemical Substance Inventory and is in compliance with all applicable rules and orders.

SARA: This material does not contain any substances on the list of Toxic Chemicals subject to Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III).

DOT: Proper Shipping Name: None, not regulated under DOT, ICAO/IATA or IMDG regulations.

Hazard Classification: Non-hazardous

UN/NA Number: Not applicable

Label Required: None

Hazardous Substance(s): Not applicable

CALIFORNIA PROPOSITION 65: This material contains the following substances known to the State of California to cause cancer or reproductive effects.

Crystalline silica

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#### SECTION XVII. ADDITIONAL INFORMATION

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n.e. = Not established; n.a. = Not applicable/not available; n.d. = Not determined; TLV = Threshold Limit Value; PEL = Permissible Exposure Limit; OSHA = Occupational Safety and Health Administration; ACGIH = American Conference of Governmental Industrial Hygienists; LEL

= Lower Explosive Limit; UEL = Upper Explosive Limit; ppm = parts per million; TSCA = Toxic Substances Control Act; SARA = Superfund Ammendments and Reauthorization Act; DOT = Department of Transportation.

MSDS ISSUE DATE : January 16, 1986  
SUPERCEDES MSDS DATED: January 23, 1999

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a licence under valid patents.

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