

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

RED HI-TEMP RTV SILICONE GASKET MAKER

Synonyms:

28031 JEGS PERFORMANCE RED HI-TEMP RTV SILICONE GASKET MAKER

Company Identification

JEGS Automotive Inc. 101 Jegs Place Delaware, OH 43015

PHONE: 1-800-345-4545 WEBSITE: www.jegs.com

CAS Registry Number Not Applicable

Synonyms None

Generic/Chemical Name Not Applicable

Product Type RTV Silicone

Preparation Date 04/20/07

Transportation Emergency Response

www.jegs.com/msds

Product Information

Product Information and MSDS Requests: 1-800-345-4545

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT	ACGIH TLV	PEL	STEL
Methyltriacetoxysilane	4253-34-3	1 – 5% weight	TWA 10ppm	TWA 10ppm	15ppm
Ethyltriacetoxysilane	17689-77-9	1 – 5% weight	TWA 10ppm	TWA 10ppm	15ppm

3. HAZARD IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Direct contact may cause moderate irritation.

Skin: May cause moderate irritation.

Ingestion: Low ingestion hazard in normal use. Repeated ingestion or swallowing large amounts may injure internally.

Inhalation: Material is not likely to present an inhalation hazard at ambient conditions. However, if material is heated or high vapor/aerosol concentrations are attained, central nervous system depression may occur, which is characterized by drowsiness, dizziness, confusion or loss of coordination.

Symptoms of Overexposure: No known applicable information.

Existing Conditions Aggravated by Exposure: No known applicable information.

Note: The above listed potential effects are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for detailed toxicology information.

4. FIRST AID MEASURES

Eye: Immediately flush with water for 15 minutes. Seek medical attention.

Skin: Remove from skin and wash thoroughly with soap and water or waterless cleaner. Get medical attention if irritation or other ill effects develop or persist.

Ingestion: DO NOT INDUCE VOMITING. Seek immediate medical attention.

Inhalation: Material is not likely to present inhalation at ambient conditions. If material is heated or vapor/mist/duct/fumes are generated, care should be taken to prevent inhalation. In case of exposure to vapor/mist/dust/fumes, move to fresh air.

Comments: Treat according to person's condition and specifics of exposure.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flashpoint: >100 °C (212 °F)

FP Method: Closed Cup

Auto-ignition Temperature: Not determined**Flammability Limits in Air:** Not determined**EXTINGUISHING MEDIA:** On large fires use dry chemical, foam, or water spray. On small fires use carbon dioxide, dry chemical or water spray. Water can be used to cool fire exposed containers.**Special Fire Fighting Procedures:** Self-contained breathing apparatus and protective clothing should be worn when fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.**Unusual Fire or Explosion Hazards:** None known.**Hazardous Decomposition Products:** Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products:

Carbon oxides and traces of incompletely burned carbon compounds

Formaldehyde

Silicone dioxide

Metal oxides

Comment: When temperatures above 150°C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within OSHA Permissible Exposure Limits for formaldehyde.

6. ACCIDENTAL RELEASE INFORMATION

Spill Management: Observe all personal protection equipment recommendations. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

7. HANDLING AND STORAGE

Handling: Use with adequate ventilation. Product evolves acetic acid with exposed to water or humid air. Provide ventilation during use to control acetic acid with exposure guidelines or use respiratory protection. Avoid eye contact. Avoid skin contact. Do not take internally. Avoid breathing vapor. Keep container closed.**Storage:** Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

8. EXPOSURE CONTROL/PERSONAL PROTECTIVE EQUIPMENT

Component Exposure Limits:

Component Name: Ethyltriacetoxysilane

CAS Number: 17689-77-9

Exposure Limits: See acetic acid comments

Component Name: Methyltriacetoxysilane

CAS Number: 4253-34-3

Exposure Limits: See acetic acid comments

Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10ppm and ACGIH TLV: TWA 10ppm, STEL 15ppm.

Engineering Controls:

Local Ventilation: Recommended
General Ventilation: Recommended

Eye/Face Protection: Use proper protection - safety glasses as a minimum.

Skin Protection: Wash at mealtimes and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Suitable Gloves: Nitrile Rubber. Butyl Rubber.

Respiratory Protection: Use respiratory protection unless adequate exhaust ventilation is provided or exposure assessment demonstrates that exposures are within exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator: Respiratory protection is not needed under ambient conditions. If vapor/mist/dust/fumes are generated when material is heated or handled, the following is advised. General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

Precautionary Measures: Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.

Comment: Product evolves acetic acid when exposed to water or humid air. Provide ventilation during use to control acetic acid within exposure guidelines or use respiratory protection.

Note: These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Attention: The data below is not intended for use in preparing product specifications.

Physical State:	Paste
Specific Gravity:	1.007
Color/Appearance:	Red
Odor:	Acetic acid odor
pH:	Not determined
Vapor Pressure:	Not determined
Vapor Density:	Not determined
Boiling/Cond. Point:	Not determined
Solubility:	Not determined
Melting/Freezing Point:	Not determined
VOC%:	29 g/L
Viscosity:	Not determined

Operating Temperature: -75° to 650°F

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Incompatibility with Other Materials: Oxidizing material can cause a reaction. Water, moisture or humid air can cause hazardous vapors to form.

Conditions to Avoid: None known

Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

Component Toxicology Information: No known applicable information.

Special Hazard Information on Components: No known applicable information.

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: Complete information is not yet available.

Environmental Effects: Complete information is not yet available.

Fate and Effects in Waste Water treatment Plants: Complete information is not yet available.

13. DISPOSAL INFORMATION

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

14. TRANSPORTATION INFORMATION

DOT Road Shipment Information: Not subject to DOT.

Ocean Shipment (IMDG): Not subject to IMDG code.

Air Shipment (IATA): Not subject to IATA regulations.

15. REGULATORY INFORMATION

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status

All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

SARA Title III Section 302 Extremely Hazardous Substances

None

SARA Title III Section 304 CERCLA Hazardous Substances

None

SARA Title III Section 312 Hazard Class

Acute: Yes

Chronic: No

Fire: No

Pressure: No

Reactive: No

SARA Title III Section 313 Toxic Chemicals

None present or none present in regulated quantities.

California prop. 65

This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm:

None known

Massachusetts

Iron oxide (1309-37-1)

Silica, amorphous (7631-86-9)

New Jersey

Dimethyl siloxane, hydroxyl-terminated (70131-67-8)

Ethyltriacetoxysilane (17689-77-9)
Hydrotreated middle petroleum distillates (64742-46-7)
Iron oxide (1332-37-2)
Methyltriacetoxysilane (4253-34-3)
Polydimethylsiloxane (63148-62-9)
Silica, amorphous (7631-86-9)

Pennsylvania

Dimethyl siloxane, hydroxyl-terminated (70131-67-8)
Hydrotreated middle petroleum distillates (64742-46-7)
Iron oxide (1332-37-2)
Polydimethylsiloxane (63148-62-9)
Silica, amorphous (7631-86-9)

16. DISCLAIMER

The data contained herein is based upon information that JEGS Automotive Inc. believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements to suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.