



Material Safety Data Sheet

Product Name: RTV Silicone Sealant
FIR No. 139293
Version Number: US-US-2

Level: 1
Release Date: 2004-11-24

1. Product and Company Identification

Product Name: RTV Silicone Sealant
Product Code: See Attachment
Application: High temperature applications; recommended for use in 7.3L Power Stroke diesel engine.
Supplier: Ford Motor Company
 Attention: MSDS Information, P.O. Box 1899
 Dearborn, Michigan 48121
 1-800-392-3673
Emergency Telephone: Poison Control Center: 1-800-959-3673
 CHEMTREC: U.S. and Canada: 1-800-424-9300
 CHEMTREC: International: 1-703-527-3887

2. Composition/Information on Ingredients

This chemical product is a preparation.

Chemical Name	CAS Number	Percent Concentration	Hazard Classification
CALCIUM CARBONATE	471-34-1	30-40	HAZCOM
STEARIC ACID	57-11-4	1-5	WHMIS 1
METHYLTRIMETHOXY SILANE	1185-55-3	1-5	RSMSREST WHMIS 1
CARBON BLACK	1333-86-4	<.1	RSMSREST
QUARTZ (CRYSTALLINE SILICA)	14808-60-7	<.1	RSMSREST

3. Hazards Identification

Health: This product is not expected to cause eye irritation under normal conditions of use. Symptoms of slight eye irritation may result when direct contact occurs.
 Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses
 Vapor may irritate nose and throat; vapor overexposure may cause drowsiness.

4. First-Aid Measures

Inhalation: If gas/fume/vapor/dust/mist from the material is inhaled, remove the affected person immediately to fresh air.
 If irritation persists, get medical attention.

Skin Contact: Wash skin with soap and water.
 If irritation persists, get medical attention.



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Eye Contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical attention.

Ingestion: If the material is swallowed, get immediate medical attention or advice.

Notes to a Physician: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire-Fighting Measures

Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog.

Specific Methods: Water may be used to cool exposed containers to prevent pressure build-up and explosion when exposed to extreme heat.

Specific Hazards: During a fire, irritating and toxic gases, such as formaldehyde may be generated, which can accumulate in confined spaces, resulting in a toxicity and flammability hazard.

Protection of Firefighters: Fire fighters should be equipped with NIOSH-approved, self-contained breathing apparatus (SCBA) and full protective clothing.

6. Accidental Release Measures

Personal Precautions: Ventilate the contaminated area.
Avoid skin contact and inhalation of vapors during disposal of spills.
In case of spills, beware of slippery floors and surfaces.

Environmental Precautions: Do not allow the spilled product to enter public drainage system or open water courses.

Methods for Cleaning Up: Scrape up the spilled material and transfer to a suitable container for disposal.

7. Handling and Storage

Handling:

Technical Measures: Containers and equipment used to handle the product should be exclusively for that product; avoid any contact with water or humidity
Product evolves isopropyl alcohol when exposed to water or humid air.

Precautions and Advice for Safe Handling: Use this product with adequate ventilation.
Avoid breathing vapor.



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Storage:

Technical Measures: No special precautions.

Storage Conditions: Keep the container in a well-ventilated place.
 Keep the container tightly closed and dry.
 Store this product away from strong oxidizing agents.

8. Exposure Controls/Personal Protection

Engineering Measures: Use adequate mechanical ventilation (general and/or local exhaust) ventilation to maintain exposure below PEL(s) and/or TLV(s).

Exposure Limits:					
Chemical Name	TWA 8 hr	STEL/C	References	Notes	
CARBON BLACK	3.5(mg/m3)		ACGIH		
		3.5(ppm)	OSHA		
QUARTZ (CRYSTALLINE SILICA)	See Note		ACGIH	0.05 mg/m3 TWA: respirable fraction: respirable fraction of dust)	
			OSHA		

Personal Protective Equipment:

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard 29 CFR 1910.134 and/or Canadian Standard CSA Z94.4.

Hand Protection: PROTECTIVE GLOVES: Should be worn when the potential exists for prolonged or repeated skin exposure. Neoprene, Nitrile Acrylonitrile-Butadiene Rubber (NBR), Nitrile, or Silver Shield is recommended.

Eye Protection: Wear chemical goggles.

Skin and Body Protection: Remove contaminated clothing and wash before reuse.

Hygiene Measures: Wash thoroughly after handling.



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9. Physical and Chemical Properties

Specific Gravity: 1.32
Physical State: VISCOUS LIQUID
Form: PASTE
Odor: ALCOHOL
Color: GRAY
pH: N.AV
Temperature Range During which Changes in Physical State Occur:
 Boiling Point: N.AV
Flash Point: N.AV
Explosion Properties:
 UEL: N.AV
 LEL: N.AV
Solubility: INSOLUBLE IN WATER
Viscosity: N.AV
Evaporation Rate: N.AV

10. Stability and Reactivity

Stability: This is a stable material.
 Hazardous polymerization will not occur.

Conditions and Materials to Avoid: This product may react with strong oxidizing agents (bleach--sodium hypochlorite, calcium hypochlorite, hydrogen peroxide, permanganate, nitric acid, concentrated OXYGEN, perchlorates).

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and other low molecular weight hydrocarbons.
 Decomposes on heating to produce carbon monoxide and formaldehyde.
 Decomposition of this product may yield metallic oxides.
 Decomposition of this product may yield oxides of SILICA.
 Decomposition of this product may yield oxides of sulfur and nitrogen.

11. Toxicological Information

Skin Contact: Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.
 Prolonged or repeated contact with this product may dry and/or defat the skin.



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12. Ecological Information

No specific aquatic data available for this product.

13. Disposal Considerations

Waste from Residues: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulation.

Contaminated Packaging: No available information.



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14. Transport Information

U.S. Department of Transportation (DOT) 49 - CFR 172.101

This product is not regulated as a dangerous good.

Canadian Transportation of Dangerous Goods (T.D.G.) -TDGR Schedule II

This product is not regulated as a dangerous good.

Secretary of Communication and Transportation (SCT)- NOM-002-SCT2/1994 (Mexico)

This product is not regulated as a dangerous good.

International and Domestic Air Transportation - ICAO & IATA Section 4.2

This product is not regulated as a dangerous good.

International Water Transportation - IMDG Code Amendment 31-02

This product is not regulated as a dangerous good.

15. Regulatory Information

The components of this product are listed on the TSCA Inventory

This product contains NONE of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

Material contains a chemical which is a Ford Motor Company Material of Concern. Use and release of this material should be minimized to the greatest extent possible.

16. Other Information

Key/Legend: N.AP = Not applicable; N.AV = not available; ND = Not determined or No data; TLV = Threshold limit value; TWA = Time-weighted average; STEL = Short-term exposure limit; C = Ceiling limit

Preparation Information:

The chemical identification and properties for this material were provided by the manufacturer. For Canadian locations, a manufacturer's MSDS is available upon request. Health and safety information has been evaluated by the Occupational and Environmental Health Sciences Department, Ford Motor Company, Central Laboratory Building - Room S-120, 15000 Century Drive, Dearborn, MI 48120

Disclaimer:

The information on this data sheet represents our current data and is accurate to the best of our knowledge as to the proper handling of this product under normal conditions and in accordance with the application specified on the packaging and/or technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.



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Attachment

Product Code	Container Size	Part of Kit	Kit Product Code
TA-31	5 fl oz		