



Revision Number: 001.1

Issue date: 12/23/2009

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** 5039 Nuva-Sil 300ml CQ/bn  
**Product type:** Silicone

**IDH number:** 742348  
**Item number:** 40438  
**Region:** United States

**Company address:**  
 Henkel Corporation  
 One Henkel Way  
 Rocky Hill, Connecticut 06067

**Contact information:**  
 Telephone: 860.571.5100  
 Emergency telephone: 860.571.5100  
 Internet: www.henkelna.com

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

<b>Physical state:</b>	Paste	<b>HEALTH:</b>	*1
<b>Color:</b>	translucent, Light yellow	<b>FLAMMABILITY:</b>	1
<b>Odor:</b>	Acetic acid	<b>PHYSICAL HAZARD:</b>	0
		<b>Personal Protection:</b>	See MSDS Section 8
<b>CAUTION:</b> MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. REPEATED OR PROLONGED CONTACT MAY CAUSE ALLERGIC SKIN REACTION.			

**Relevant routes of exposure:** Eye contact, Skin, Lungs

### Potential Health Effects

<b>Inhalation:</b>	Acetic acid produced during cure may irritate eyes, nose and throat. When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limit.
<b>Skin contact:</b>	Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction.
<b>Eye contact:</b>	Vapors irritate the eyes. Contact with liquid or mist will irritate the eyes.
<b>Ingestion:</b>	Not expected under normal conditions of use. Not expected to be harmful by ingestion.

**Existing conditions aggravated by exposure:** None generally recognized.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Silicone Resin	Proprietary	60 - 100
Silica, amorphous, treated	68909-20-6	10 - 30
Silane Derivative	Proprietary	1 - 5
Substituted Silane	Proprietary	1 - 5
Photoinitiator	Proprietary	0.1 - 1

#### 4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
Skin contact:	If skin irritation persists, call a physician. Wash with soap and water. Wipe off paste with paper towel or cloth.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist.
Ingestion:	If symptoms develop and persist, get medical attention. DO NOT induce vomiting unless directed to do so by medical personnel.
Notes to physician:	None

#### 5. FIRE FIGHTING MEASURES

Flash point:	> 93.3 °C (> 199.94 °F) none
Autoignition temperature:	Not available
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special firefighting procedures:	None
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Silica mist. Acetic acid. Formaldehyde.

#### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not allow material to contaminate ground water system.
Clean-up methods:	Cured material can be disposed of as non-hazardous waste. Scrape up as much material as possible. Place scrap material in a well ventilated area and allow to cure to rubber.

#### 7. HANDLING AND STORAGE

Handling:	Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.
Storage:	Store in a dry area below 90° F.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Silicone Resin	None	None	None	None
Silica, amorphous, treated	10 mg/m3 TWA Inhalable dust.	6 mg/m3 TWA	None	None
Silane Derivative	None	None	None	None
Substituted Silane	None	None	None	None
Photoinitiator	None	None	None	None

**Engineering controls:**

General ventilation is acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA standards 1910.94, 1910.107, and 1910.108.

**Respiratory protection:**

Breathing apparatus only if aerosol or dust is formed.

**Eye/face protection:**

Safety goggles or safety glasses with side shields.

**Skin protection:**

Use impermeable gloves and protective clothing as necessary to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Paste
<b>Color:</b>	translucent, Light yellow
<b>Odor:</b>	Acetic acid
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	< 10 mm hg (70 °F (21.1 °C))
<b>Boiling point/range:</b>	none Not applicable
<b>Melting point/ range:</b>	Not available
<b>Specific gravity:</b>	1.05
<b>Vapor density:</b>	Not available
<b>Flash point:</b>	> 93.3 °C (> 199.94 °F) none
<b>Flammable/Explosive limits - lower:</b>	Not applicable
<b>Flammable/Explosive limits - upper:</b>	Not applicable
<b>Autoignition temperature:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Solubility in water:</b>	Polymerises in presence of water.
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	3.5 %; 36.75 g/l

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Acetic acid is liberated slowly upon contact with moisture. Formaldehyde.
<b>Incompatible materials:</b>	Bases. Heat, sunlight, or UV light. Oxidizing agents. Acids.
<b>Conditions to avoid:</b>	Product is sensitive to light and moisture.

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Silicone Resin	No	No	No
Silica, amorphous, treated	No	No	No
Silane Derivative	No	No	No
Substituted Silane	No	No	No
Photoinitiator	No	No	No

Hazardous components	Health Effects/Target Organs
Silicone Resin	No Target Organs
Silica, amorphous, treated	No Target Organs
Silane Derivative	Irritant, Allergen
Substituted Silane	No Target Organs
Photoinitiator	Irritant

## 12. ECOLOGICAL INFORMATION

### Ecological information:

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

### Recommended method of disposal:

Cured rubber can be incinerated or landfilled following EPA and local regulations.

### Hazardous waste number:

Not a RCRA hazardous waste.

## 14. TRANSPORT INFORMATION

### U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated  
Hazard class or division: None  
Identification number: None  
Packing group: None

### International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated  
Hazard class or division: None  
Identification number: None  
Packing group: None

### Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated  
Hazard class or division: None  
Identification number: None  
Packing group: None  
Exceptions: None

## 15. REGULATORY INFORMATION

### United States Regulatory Information

#### TSCA 8 (b) Inventory Status:

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

#### TSCA 12(b) Export Notification:

None above reporting de minimus

#### CERCLA/SARA Section 302 EHS:

None above reporting de minimus

#### CERCLA/SARA Section 311/312:

Immediate Health, Delayed Health

#### CERCLA/SARA 313:

None above reporting de minimus

#### California Proposition 65:

No California Proposition 65 listed chemicals are known to be present.

#### Canada Regulatory Information

<b>CEPA DSL/NDSL Status:</b>	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
<b>WHMIS hazard class:</b>	D.2.B

### **16. OTHER INFORMATION**

**This material safety data sheet contains changes from the previous version in sections:** New Material Safety Data Sheet format.

**Prepared by:** Lou Fabrizio, Regulatory Affairs Specialist

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.