



Revision Date: 04/10/2007

Issue date: 04/10/2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: 5092 Nuva Sil® Silicone Potting Compound
Product type: Silicone
Company address: Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 28354
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Filler Proprietary	1-5	10mg/m ³ Inhalable fraction, 3mg/m ³ Respirable fraction, TWA	5mg/m ³ Respirable dust, 15mg/m ³ Total dust	None
Acrylate monomer Proprietary	1-5	None	None	None
Modified acrylamide 2680-03-7	1-5	None	None	0.1 mg/m ³ TWA (skin) 0.025 ppm TWA (skin)

Non hazardous components

Silicone Resins 50-100 %

Exposure to moisture during cure will release 0.1 - 0.9% methyl alcohol.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Liquid
Color: Yellow
Odor: Mild

HEALTH: 2*
FLAMMABILITY: 2
PHYSICAL HAZARD: 1
Personal Protection: See Section 8

WARNING: COMBUSTIBLE LIQUID
MAY BE HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.

Relevant routes of exposure: Skin contact, Eye contact, Ingestion, Inhalation

Potential Health Effects

Inhalation:

May cause respiratory tract irritation. Headache. Dizziness. Nausea. Modified acrylamide is harmful if inhaled. Spraying and/or heating product increases the inhalation hazard. Vapors and mists will irritate the respiratory tract and nasal passages. 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.

Item No. : 28354

Product name: 5092 Nuva Sil® Silicone Potting Compound

Skin contact: Prolonged or repeated contact with uncured sealant may cause skin irritation. Modified acrylamide may be absorbed through skin in harmful amounts. May cause allergic skin reaction.
Eye contact: Moderate eye irritation. Contact with eyes will cause irritation.
Ingestion: Not expected under normal conditions of use. Modified acrylamide is harmful if swallowed.

Existing conditions aggravated by exposure: Liver disorders. Kidney disorders. Other pre-existing skin conditions.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If discomfort persists seek medical attention.

Skin contact: Immediately flush skin with plenty of water (using soap, if available). Get medical attention if symptoms occur. Wash clothing before reuse.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Ingestion: Do not induce vomiting. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point: 75°C (167°F) Tagliabue closed cup

Autoignition temperature: Not available

Flammable/Explosive limits-lower %: Not available

Flammable/Explosive limits-upper %: Not available

Extinguishing media: Use dry chemical, CO2, water spray or `alcohol` foam.

Special fire fighting procedures: None

Unusual fire or explosion hazards: None

Hazardous combustion products: Formaldehyde. Silica Mist. Irritating organic fragments.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Clean-up methods: Remove all ignition sources. Soak up with inert absorbent. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling: Keep away from heat, spark and flame. Do not get on skin or clothing. Avoid eye contact. Do not wear contact lenses. Use only in area provided with appropriate exhaust ventilation. Refer to Section 8.

Storage: Store in a dry area below 90° F Store away from heat, sparks, flames, or other sources of ignition. Avoid exposure to light.

Incompatible products: Strong acids or bases. Oxidizing agents. Avoid exposure to light

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Ensure adequate ventilation, especially in confined areas. No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
Respiratory protection:	If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH. Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s). If this material is handled at elevated temperatures or under mist forming conditions, without engineering controls, a NIOSH approved respirator must be used.
Skin protection:	Chemical resistant, impermeable gloves.
Eye/face protection:	Chemical splash goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Yellow
Odor:	Mild
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	Not available
Melting point/range:	Not available
Specific gravity:	.998
Vapor density:	Not available
Evaporation rate:	Less than butyl acetate.
Solubility in water:	Insoluble. Polymerizes in presence of water
Partition coefficient (n-octanol/water):	Not available
VOC content:	13.31%; 133 grams/liter

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions
Hazardous polymerization:	None under normal processing.
Hazardous decomposition products:	Formaldehyde.
Incompatibility:	Acids. Bases. Oxidizing agents. Heat, sunlight, or UV light.
Conditions to avoid:	Heat, flames and sparks. Exposure to light.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Filler Proprietary	No	No	No
Acrylate monomer Proprietary	No	No	No
Modified acrylamide 2680-03-7	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Filler Proprietary	Irritant
Acrylate monomer Proprietary	Allergen, Irritant
Modified acrylamide 2680-03-7	Less weight gain and food intake., Mutagen, Kidney, Irritant, Eyes

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, groundwater, 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: Dispose according to EPA and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

Proper shipping name: Combustible liquids, n.o.s.
Hazard class or division: None 3
Identification number: NA 1993
Packing group: III
Exceptions: Unrestricted (Up to 20 Liters when shipped as originally packaged by Henkel only)

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: Not available
Marine pollutant: None known

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.

CERCLA/SARA Section 302 EHS: None above reporting de minimus.
CERCLA/SARA Section 311/312: Immediate Health Hazard
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

CEPA DSL/NDSL Status: Contains one or more components listed on the Non-Domestic Substances list.
WHMIS hazard class: D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 2,3,,8, 15

Prepared by: Lou Fabrizio, Senior Health & 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.