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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) 5248 Nuva-Sil(R) Medical Device Sealant
Item number: 19987
Product type: Silicone Sealant
Region: United States
Company address: Henkel Corporation, 1001 Trout Brook Crossing, Rocky Hill, Connecticut 06067
Contact Information: Telephone: 860.571.5100, Emergency telephone: 860.571.5100, Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Table with 5 columns: Hazardous components, %, ACGIH TLV, OSHA PEL, OTHER. Rows include Filler, Proprietary, Photoinitiator, Methanol 67-56-1.

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: Viscous liquid
Color: Off-white
Odor: Slight, Alcoholic
HEALTH: 2
FLAMMABILITY: 1
PHYSICAL HAZARD: 1
Personal Protection: See Section 8
CAUTION: MAY CAUSE EYE AND RESPIRATORY IRRITATION.

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

Potential Health Effects

Inhalation: Mild respiratory tract irritation. Overexposure to methanol formed during cure may cause drowsiness, nausea, and vomiting.
Skin contact: Mild skin irritation.
Eye contact: Mild eye irritation.
Ingestion: Not expected under normal conditions of use.

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Existing conditions aggravated by exposure:

None known

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation: Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms develop and persist, get medical attention.

Skin contact: Wipe off paste with paper towel or cloth. Wash with soap and water. If skin irritation persists, call a physician.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion: Prevent vomiting if possible. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point: Greater than 93°C (200°F) Tagliabue closed cup

Autoignition temperature: Not applicable

Flammable/Explosive limits-lower %: Not applicable

Flammable/Explosive limits-upper %: Not applicable

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special fire fighting procedures: Prevent inhalation of fumes and gases.

Unusual fire or explosion hazards: None

Hazardous combustion products: Formaldehyde. Irritating organic vapors. Methanol

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Do not allow material to contaminate ground water system.

Clean-up methods: Scrape up as much material as possible. Maintain good ventilation for large spills. Place scrap material in a well ventilated area and allow to cure to rubber.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.

Storage: Store in a dry area below 90° F

Incompatible products: Keep away from strong oxidizing agents, strong Lewis or mineral acids. Avoid contact with water. 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: 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, 1910.108

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Respiratory protection: Breathing apparatus only if aerosol or dust is formed.

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

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: Viscous liquid
Color: Off-white
Odor: Slight, Alcoholic
Vapor pressure: Less than 10 mm Hg at 21.1 °C (70°F)
pH: Not applicable
Boiling point/range: Not applicable
Melting point/range: Not available
Specific gravity: 1.05 at 20 deg. C
Vapor density: Not available
Evaporation rate: Not available
Solubility in water: Polymerizes in presence of water
Partition coefficient (n-octanol/water): Not available
VOC content: ASTM D5403 Process volatiles 1.8 %, 18.9 grams/liter; Potential volatiles 1.95 %, 20.47 grams/liter; Total volatiles 3.75 %, 39.37 grams/liter.

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: None under normal processing.

Hazardous decomposition products: Methanol is liberated slowly upon exposure to moisture

Incompatibility: Acids. Bases. Oxidizing agents. Heat, sunlight, or UV light.

Conditions to avoid: Product is sensitive to light and moisture.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Filler	No	No	No
Proprietary			
Photoinitiator	No	No	No
Methanol	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Filler	No Target Organs
Proprietary	
Photoinitiator	Irritant
Methanol	Eyes, Heart, Irritant, Kidney, Liver, Metabolic, Nervous System, Reproductive

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

EPA 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
Marine pollutant: 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: This product may contain a section 12 b chemical. Please contact Health and Regulatory Affairs for more information.

CERCLA/SARA Section 302 EHS: None.
CERCLA/SARA Section 311/312: None.
CERCLA/SARA 313: None.

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Toluene (CAS# 108-88-3).

Canada Regulatory Information

CEPA DSL/NDSL Status: One or more components are not listed on or exempt from listing on the Canadian Domestic Substances List or have not been fully investigated.
WHMIS hazard class: D.2.B

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16. OTHER INFORMATION

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

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