



Revision Number: 003.0

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite Go2 Gel
Product type: Contact adhesive
Company address: Henkel Corporation
 One Henkel Way
 Rocky Hill, Connecticut 06067
IDH number: 1832982
Region: United States
Contact information:
 Telephone: 800.624.7767
 MEDICAL EMERGENCY Phone: Poison Control Center
 1-877-671-4608 (toll free) or 1-303-592-1711
 TRANSPORT EMERGENCY Phone: CHEMTREC
 1-800-424-9300 (toll free) or 1-703-527-3887

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

| | | | |
|------------------------|------------------------|-----------------------------|--------------------|
| Physical state: | high viscosity, liquid | HEALTH: | *1 |
| Color: | colourless, clear | FLAMMABILITY: | 2 |
| Odor: | odorless | PHYSICAL HAZARD: | 0 |
| | | Personal Protection: | See MSDS Section 8 |

WARNING: COMBUSTIBLE!
 MAY CAUSE EYE AND SKIN IRRITATION.

Relevant routes of exposure: Skin, Eyes, Inhalation

Potential Health Effects

Inhalation: May be harmful if inhaled. Methanol is released during application and cure, which may affect the nervous system causing dizziness, headache or nausea.
Skin contact: Repeated or prolonged skin contact may result in allergic sensitization. Persons with previous allergic reactions to amines should avoid contact with product.
Eye contact: Contact with uncured product may irritate the eyes. Vapors may also produce eye irritation.
Ingestion: May be harmful if swallowed.

Existing conditions aggravated by exposure: Eye disorders. Skin disorders.

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 | % |
|---|------------|---------|
| Trimethoxyvinylsilane | 2768-02-7 | 5 - 10 |
| 3-(Trimethoxysilyl)propylamine | 13822-56-5 | 1 - 5 |
| (Methoxycarbonylaminoethyl)trimethoxysilane | 23432-64-6 | 1 - 5 |
| Methanol | 67-56-1 | 0.1 - 1 |

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, seek medical advice.
Skin contact: Wash with soap and water. Obtain medical attention if irritation persists.

Eye contact: Flush eyes with plenty of water for at least 5 minutes. If irritation persists seek medical attention.

Ingestion: If material is ingested, immediately contact a physician or poison control center. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Flash point: 53.4 - 55.2 °C (128.12 - 131.36 °F) Setaflash Closed Cup

Autoignition temperature: Not applicable

Flammable/Explosive limits - lower: 1.4 %

Flammable/Explosive limits - upper: 50 %

Extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.

Special firefighting procedures: Wear protective equipment. Wear self contained breathing apparatus.

Unusual fire or explosion hazards: None

Hazardous combustion products: Acrid smoke and fumes. Oxides of carbon. Silicon dioxide Calcium oxide.

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 product to enter sewer or waterways.

Clean-up methods: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling: Do not handle or store near an open flame, heat or other sources of ignition. Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation. Use only in well-ventilated areas. Wear suitable protective clothing, safety glasses and gloves. Keep out of the reach of children.

Storage: Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Provide adequate ventilation.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

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 |
|---|---------------------------------------|---|-----------|-------|
| Trimethoxyvinylsilane | None | None | None | None |
| 3-(Trimethoxysilyl)propylamine | None | None | None | None |
| (Methoxycarbonylaminoethyl)trimethoxysilane | None | None | None | None |
| Methanol | 200 ppm TWA (SKIN) 250 ppm STEL | 200 ppm (260 mg/m ³) TWA | None | None |

Engineering controls: Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment. Respirator with combination filter for vapor/particulate.

Eye/face protection: Wear safety glasses with side shields. Do not wear contact lenses.

Skin protection: Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: high viscosity, liquid
Color: colourless, clear
Odor: odourless
Odor threshold: Not available.
pH: not applicable
Vapor pressure: Not available.
Boiling point/range: Not available.
Melting point/ range: Not available.
Specific gravity: 1.1740
Vapor density: Not available.
Flash point: 53.4 - 55.2 °C (128.12 - 131.36 °F) Setaflash Closed Cup
Flammable/Explosive limits - lower: 1.4 %
Flammable/Explosive limits - upper: 50 %
Autoignition temperature: Not applicable
Evaporation rate: Not determined
Solubility in water: Insoluble
Partition coefficient (n-octanol/water): Not determined
VOC content: 14.46 %; 131.6 g/l
Viscosity: 150,000 - 250,000 mPa.s

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.

Hazardous reactions: Will not occur.

Hazardous decomposition products: Oxides of carbon. Methanol is liberated slowly upon exposure to moisture.

Incompatible materials: None if used for intended purpose.

Conditions to avoid: Direct sources of heat. Do not freeze. Humidity

11. TOXICOLOGICAL INFORMATION

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|----------------|-----------------|---|
| Trimethoxyvinylsilane | No | No | No |
| 3-(Trimethoxysilyl)propylamine | No | No | No |
| (Methoxycarbonylaminoethyl)trimethoxy silane | No | No | No |
| Methanol | No | No | No |

| Hazardous components | Health Effects/Target Organs |
|---|---|
| Trimethoxyvinylsilane | Irritant, Allergen |
| 3-(Trimethoxysilyl)propylamine | Irritant, Allergen |
| (Methoxycarbonylaminoethyl)trimethoxysilane | No Records |
| Methanol | Eyes, Heart, Irritant, Kidney, Liver, Metabolic, Nervous System, Reproductive |

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

| | |
|--|--|
| Recommended method of disposal: | Follow all local, state, federal and provincial regulations for disposal. |
| Hazardous waste number: | It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24. |

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 |

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 minimis |
| CERCLA/SARA Section 311/312: | Immediate Health, Delayed Health, Fire |
| CERCLA/SARA 313: | None above reporting de minimis |
| California Proposition 65: | No California Proposition 65 listed chemicals are known to be present. |

Canada Regulatory Information

| | |
|-----------------------------|---|
| CEPA DSL/NDL Status: | One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List. |
| WHMIS hazard class: | D.2.A, D.2.B, B.3 |

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: This Material Safety Data Sheet contains changes from the previous version in Section(s): 1-3, 5, 7, 8-10, 13-15

Prepared by: Mary Ellen Roddy, Sr. Regulatory Affairs Specialist

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