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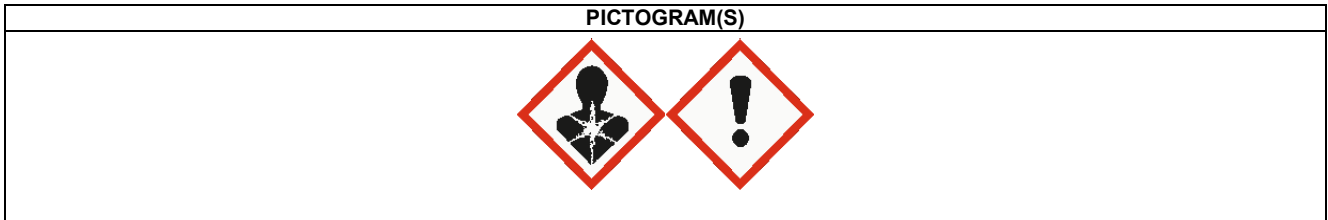
1. IDENTIFICATION

Product name: Loctite Power Grab Ultimate Crystal **IDH number:** 2442596
Clear Adhesive
Product type/ Recommended use: Assembly adhesive, reaction
Restriction of Use: None identified **Region:** United States
Company address: **Contact information:**
 Henkel Corporation Telephone: +1 (860) 571-5100
 One Henkel Way MEDICAL EMERGENCY Phone: Poison Control Center
 Rocky Hill, Connecticut 06067 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
 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
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
WARNING: H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.
 H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

HAZARD CLASS	HAZARD CATEGORY
SKIN SENSITIZATION	1
REPRODUCTIVE TOXICITY	2



Precautionary Statements

Prevention: P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P261 - Avoid breathing dust or fumes.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
Response: P280 - Wear protective gloves, clothing, eye and face protection.
 P302+P352 - IF ON SKIN: Wash with plenty of water.
 P308+P313 - IF exposed or concerned: Get medical attention.
 P333+P313 - If skin irritation or rash occurs: Get medical attention.
 P362+P364 - Take off contaminated clothing and wash it before reuse.
Storage: P405 - Store locked up.
Disposal: P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Other hazards Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Weight %*
Trimethoxyvinylsilane	2768-02-7	1 - 5
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	0.1 - 1

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

First Aid Measures by likely routes of exposure

Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
Skin contact:	Wash with soap and water. If skin irritation persists, call a physician. Wipe off paste with paper towel or cloth.
Eye contact:	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. If symptoms develop and persist, get medical attention.
Ingestion:	Do not induce vomiting. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
Most important symptoms and effects (acute and delayed):	The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.
Indication of any immediate medical attention / special treatment needed:	Not available.

5. FIRE FIGHTING MEASURES

Extinguishing media:	carbon dioxide, foam, powder, water spray jet, fine water spray
Improper extinguishing agents:	Not available.
Special firefighting procedures:	Wear protective equipment. Wear self-contained breathing apparatus.
Unusual fire or explosion hazards:	None identified.
Hazardous combustion products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

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:	Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Store in a partly filled, closed container until disposal. Spilled material will solidify. Scrape up as much material as possible. Maintain good ventilation for large spills.

7. HANDLING AND STORAGE

Handling:	Do not wear contact lenses. Avoid contact with eyes, skin and clothing. Keep out of the reach of children. Protect from moisture. Use only with adequate ventilation.
Storage:	For safe storage, store between -20 °C (-4°F) and 40 °C (104°F) Store in a cool, dry area. Avoid moisture. For safe storage, store between 5 °C (41°F) and 25 °C (77°F) Outside temperature limits, the product will be irreversibly damaged and no longer usable.

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 Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Silane, dichlorodimethyl-, reaction products with silica	3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Inhalable particles.	0.8 mg/m3 TWA 20 MPPCF TWA 50 MPPCF TWA Total dust. 15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 MPPCF TWA Respirable fraction.	None	None

Engineering controls:	Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
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

Physical state:	Solid/solid
Color:	Transparent/Transparent
Odor:	Alcohol/Alcohol
Odor threshold:	Not available.
pH:	Not applicable, Product is non-soluble (in water).
pH:	Not applicable
Vapor pressure:	< 0.5 Pa (20 °C (68°F)) Not applicable
Boiling point/range:	310 °C (590°F) Not applicable
Melting point/ range:	< -50 °C (< -58°F)
Melting point/ range:	Not applicable
Density/Relative density:	1.6 - 1.7
Relative vapor density:	Not applicable, Product is a solid
Relative vapor density:	Heavier than air.
Flash point:	Not applicable
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Autoignition temperature:	Not applicable
Flammability:	Not applicable
Evaporation rate:	Not applicable
Solubility:	Insoluble Water
Solubility:	Insoluble Water
Partition coefficient n-octanol/water (logarithmic value):	Not available.
VOC content:	5.02 %; 77.45 g/l (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method)
Dynamic viscosity:	1,200,000 mPa.s

Kinematic viscosity: Not available.
Particle characteristics: Not applicable, mixture is a paste.
Decomposition temperature: Not available.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.
Hazardous reactions: Will not occur.
Hazardous decomposition products: Methanol is liberated slowly upon exposure to moisture.
Incompatible materials: Oxidizing agents.
Reactivity: Not available.
Conditions to avoid: Exposure to moisture.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects/Symptoms

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: Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.
Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation. Symptoms include itching, burning, redness and tearing.
Ingestion: Harmful if swallowed. Not expected under normal conditions of use.

Hazardous Component(s)	LD50s and LC50s
Trimethoxyvinylsilane	Inhalation LC50 (Rat, 4 h) = 2773 ppm
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	Inhalation LC50 (Rat, 4 h) = 500 mg/m3

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
Trimethoxyvinylsilane	Irritant	Allergen	
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate			

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Trimethoxyvinylsilane	No	No	No
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	No	No	No

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.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any packaging.

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 as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

TSCA 12 (b) Export Notification: None above reporting de minimis

CERCLA/SARA Section 302 EHS: None above reporting de minimis.

CERCLA/SARA Section 311/312: Please refer to the GHS classification in Section 2

CERCLA/SARA Section 313: None above reporting de minimis.

California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status: Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: Reviewed SDS. Reissued with new date. 2, 3, 8, 11, 15

Prepared by: Product Safety and Regulatory Affairs

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