

Revision Number: 004.0 Issue date: 07/19/2018

1. PRODUCT AND COMPANY IDENTIFICATION

IDH number:

Product name: **LOCTITE C 511 96SC 5C 0.81MM H**

known as 96SC C511 5C 0.81MM

0.5KG (0.0

Product type: Solder Wire Item number: Restriction of Use: None identified

Company address:

Henkel Corporation

One Henkel Way Rocky Hill, Connecticut 06067

MM01902 Region: **United States**

Contact information:

Telephone: +1 (860) 571-5100

MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC

692857

1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW NOT CLASSIFIED. READ ENTIRE SAFETY DATA SHEET.

HAZARD CLASS	HAZARD CATEGORY
None	None

PICTOGRAM(S)
None

Precautionary Statements

IDH number: 692857

Prevention: Not prescribed Response: Not prescribed Storage: Not prescribed Disposal: Not prescribed

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	Percentage*
Tin	7440-31-5	90 - 100
Silver	7440-22-4	1 - 5

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

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give

artificial respiration. If symptoms develop and persist, get medical attention.

Skin contact: Remove contaminated clothing and footwear. Immediately flush skin with

plenty of water (using soap, if available). If symptoms develop and persist, get

medical attention. Wash clothing before reuse.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get

medical attention.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel.

Never give anything by mouth to an unconscious person. If symptoms develop

and persist, get medical attention.

Symptoms: See Section 11.

5. FIRE FIGHTING MEASURES

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special firefighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as

turn-out gear. Do not use water on fires where molten metal is present.

Unusual fire or explosion hazards: None

IDH number: 692857

Hazardous combustion products: Oxides of carbon. Oxides of Metals in Section 3. Hydrocarbons.

Formaldehyde. High temperatures may produce heavy metal dust, fumes or

vapors. The flux medium will give rise to irritating fumes.

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: Ensure adequate ventilation. Wear suitable protective clothing, gloves and

eye/face protection. Scrape up spilled material and place in a closed container for disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior

to clean up.

7. HANDLING AND STORAGE

Handling: Use only with adequate ventilation. Always be careful around molten material.

Wear suitable protective clothing, gloves and eye/face protection. Avoid contact with eyes, skin and clothing. Do not wear contact lenses. Wash

thoroughly after handling.

Storage: For safe storage, store between 15 °C (59°F) and 30 °C (86°F)

Store in original container until ready to use.

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
Tin	2 mg/m3 TWA	2 mg/m3 PEL (as Sn)	None	None
Silver	0.1 mg/m3 TWA Dust and fume.	0.01 mg/m3 PEL (as Ag)	None	None

Engineering controls: Use adequate ventilation to remove molten vapors or fumes. Provide

adequate local exhaust ventilation to maintain worker exposure below

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 chemical resistant, impermeable clothing including gloves and either an

apron or body suit to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid

Color: Gray, Metallic

Odor: None

Odor threshold:

pH:

Not available.

Not available.

Vapor pressure: Negligible vapor pressure at ambient temperatures.

Boiling point/range: Not available.

Melting point/ range: 217 °C (422.6 °F) (solder alloy)

Specific gravity: 7.5

Vapor density: Not available. Flash point: Product is a solid. Flammable/Explosive limits - lower: Not available. Flammable/Explosive limits - upper: Not available. Autoignition temperature: Not available. Flammability: Not applicable Evaporation rate: Not available. Solubility in water: Insoluble Partition coefficient (n-octanol/water): Not available.

VOC content: < 5 %
Viscosity: Not available.
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:

IDH number: 692857

Oxides of carbon. Oxides of Metals in Section 3. Formaldehyde. Thermal decomposition can

lead to release of irritating gases and vapors.

Incompatible materials: Strong oxidizing agents. Strong acids and strong bases.

Reactivity: Not available.

Conditions to avoid: High temperatures. Solder alloy will react with concentrated nitric acid to produce toxic fumes

of nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation: Inhalation of processing fumes may be harmful. Excessive exposure to tin fumes or dust may

cause Stannosis, a chronic respiratory disease resulting in reduced lung capacity and benign tumors. Excessive inhalation of fumes from many metals can produce an acute reaction known as "metal fume fever". Symptoms consist of chills and fever (very similar to and easily confused

with flu symptoms) which come on a few hours after large exposures.

Skin contact: May cause skin irritation. Argyria (a non-toxic, cosmetic blue-gray discoloration of the skin and

mucous membranes that is irreversible).

Eye contact: May cause eye irritation.

Ingestion: Not expected under normal conditions of use.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects	
Tin	None	Gastrointestinal, Irritant, Kidney, Liver, Lung, Nervous System	
Silver	Oral LD50 (Rat) = > 5,000 mg/kg Dermal LD50 (Rat) = > 2,000 mg/kg	Allergen, Eyes, Irritant, Respiratory, Skin	

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Tin	No	No	No
Silver	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. Do not

dispose of in an uncontrolled manner.

Hazardous waste number: D011. Silver.

14. TRANSPORT INFORMATION

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

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

Proper shipping name: Not regulated

Hazard class or division:
Identification number:
None
Packing group:
None

International Air Transportation (ICAO/IATA)

IDH number: 692857

Proper shipping name: Not regulated

Hazard class or division:
Identification number:
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 minimis

CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA Section 313: None above reporting de minimis. Immediate Health, Delayed Health

This product contains the following toxic chemicals subject to the reporting requirements of

section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40

CFR 372). Silver (CAS# 7440-22-4).

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

Canada Regulatory Information

IDH number: 692857

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: New Safety Data Sheet format.

Prepared by: Product Safety and Regulatory Affairs

Issue date: 07/19/2018

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel 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 Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.