



Revision Number: 012.0

Issue date: 12/07/2023

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** LOCTITE ABLESTIK 2030SC known as Ablebond 2030SC (13.5g),  
**Product type/use:** Die attach adhesive  
**Restriction of Use:** None identified  
**Company address:** Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067

**IDH number:** 1201649

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

This product contains one or more components that are exempt from listing on the U. S. Toxic Substances Control Act (TSCA) inventory because a polymer exemption has been granted in accordance with 40 CFR 723.250.

This product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal. Please contact Henkel Product Safety & Regulatory Affairs for further information.

**One or more components of this product are not listed on the U.S. Toxic Substances Control Act (TSCA) inventory. As such, this product may only be used for research and development purposes as described in 40 CFR 720.36. Research and development products must be used by, or directly under the supervision of, a technically qualified individual. Exercise due care. This product may not be used, processed or distributed for a commercial purpose in the U.S.**

**2. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

**WARNING:** CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE IRRITATION.

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
EYE IRRITATION	2A
SKIN SENSITIZATION	1

**PICTOGRAM(S)****Precautionary Statements**

**Prevention:** Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection.

**Response:** IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

**Storage:** Not prescribed

**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

2 % of the mixture consists of ingredient(s) of unknown acute toxicity.

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).

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See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Silver	7440-22-4	80 - 100
Fatty acids, C18-unsatd., dimers, hydrogenated, di-Me esters, hydrogenated, bis(2,5-dihydro-2,5-dioxo-1H-pyrrole-1-hexanoate)		1 - 5
Isobornyl acrylate	5888-33-5	1 - 5
2,2-dimethyl-1,3-propanediyl bismethacrylate	1985-51-9	1 - 5
Formaldehyde polymer with 1,1'-oxybis[benzene],2-methyl-2-propenoate]	57950-83-1	0.1 - 1
(2,4,6-Trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tri-2,1-ethanediyl triacrylate	40220-08-4	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

<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Symptoms:</b>	See Section 11.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray.
<b>Unusual fire or explosion hazards:</b>	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
<b>Hazardous combustion products:</b>	Oxides of carbon. Oxides of Metals in Section 3. Toxic and irritating vapors.

### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.

## 7. HANDLING AND STORAGE

### Handling:

Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed.

### Storage:

For safe storage, store at or below -40 °C (-40°F). Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Keep away from heat, spark and flame. Protect from direct sunlight. Maintain head space in storage containers to support oxygen requirements of the inhibitor(s).

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
Silver	0.1 mg/m3 TWA Dust and fume.	0.01 mg/m3 PEL (as Ag)	None	None
Fatty acids, C18-unsatd., dimers, hydrogenated, di-Me esters, hydrogenated, bis(2,5-dihydro-2,5-dioxo-1H-pyrrole-1-hexanoate)	None	None	None	None
Isobornyl acrylate	None	None	None	None
2,2-dimethyl-1,3-propanediyl bismethacrylate	None	None	None	None
Formaldehyde polymer with 1,1'-oxybis[benzene], 2-methyl-2-propenoate]	None	None	None	None
(2,4,6-Trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyli)tri-2,1-ethanediyl triacrylate	None	None	None	None

### Engineering controls:

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. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

### 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:

Paste, Liquid

### Color:

Silver

### Odor:

Slight

### Odor threshold:

Not available.

### pH:

Not applicable, Product is non-soluble (in water).

### Vapor pressure:

< 0.1 hPa (20 °C (68°F))

### Boiling point/range:

Not applicable, Polymerizes before boiling point is reached.

### Melting point/ range:

Not applicable, Product is a liquid

### Specific gravity:

4.5

### Vapor density:

20 °C Heavier than air

### Flash point:

> 93 °C (> 199.4 °F)

### Flammable/Explosive limits - lower:

Not available.

### Flammable/Explosive limits - upper:

Not available.

### Autoignition temperature:

Not available.

### Flammability:

The product is not flammable.

### Evaporation rate:

Not available.

### Solubility in water:

Insoluble

### Partition coefficient (n-octanol/water):

Not available.

### VOC content:

< 3 % (calculated)

### Viscosity:

11,000 - 17,500 cp

Decomposition temperature: > 200 °C

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of storage and use.
<b>Hazardous reactions:</b>	None under normal processing. Polymerization may occur at elevated temperature or in the presence of incompatible materials.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of Metals in Section 3. Toxic fumes. Irritating vapors.
<b>Incompatible materials:</b>	Strong oxidizing agents. Strong acids and strong bases.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Keep away from heat, ignition sources and incompatible materials. Protect from direct sunlight. Loss of dissolved air. Loss of polymerization inhibitor.

## 11. TOXICOLOGICAL INFORMATION

**Relevant routes of exposure:** Skin, Inhalation, Eyes, Ingestion

### Potential Health Effects/Symptoms

<b>Inhalation:</b>	May cause respiratory tract irritation. Coughing. Shortness of breath.
<b>Skin contact:</b>	Causes skin irritation. May cause allergic skin reaction. Argyria (a non-toxic, cosmetic blue-gray discoloration of the skin and mucous membranes that is irreversible).
<b>Eye contact:</b>	Causes serious eye irritation. Redness. Tearing.
<b>Ingestion:</b>	May cause gastrointestinal tract irritation if swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Silver	Oral LD50 (Rat) = > 5,000 mg/kg Dermal LD50 (Rat) = > 2,000 mg/kg Inhalation LC50 (Rat, 4 h) = 750 µg/m <sup>3</sup> Inhalation LC50 (Rat, 4 h) = > 5.16 mg/l	Allergen, Eyes, Irritant, Respiratory, Skin
Fatty acids, C18-unsatd., dimers, hydrogenated, di-Me esters, hydrogenated, bis(2,5-dihydro-2,5-dioxo-1H-pyrrole-1-hexanoate)	None	No Data
Isobornyl acrylate	None	Irritant, Allergen
2,2-dimethyl-1,3-propanediyl bismethacrylate	None	Allergen, Irritant
Formaldehyde polymer with 1,1'-oxybis[benzene],2-methyl-2-propenoate]	None	No Data
(2,4,6-Trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triy)tri-2,1-ethanediyl triacrylate	None	No Records

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Silver	No	No	No
Fatty acids, C18-unsatd., dimers, hydrogenated, di-Me esters, hydrogenated, bis(2,5-dihydro-2,5-dioxo-1H-pyrrole-1-hexanoate)	No	No	No
Isobornyl acrylate	No	No	No
2,2-dimethyl-1,3-propanediyl bismethacrylate	No	No	No
Formaldehyde polymer with 1,1'-oxybis[benzene],2-methyl-2-propenoate]	No	No	No
(2,4,6-Trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triy)tri-2,1-ethanediyl triacrylate	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: RQ, Environmentally hazardous substance, liquid, n.o.s.  
Hazard class or division: 9  
Identification number: UN 3082  
Packing group: III  
DOT Hazardous Substance(s): Silver

### International Air Transportation (ICAO/IATA)

Proper shipping name: RQ, Environmentally hazardous substance, liquid, n.o.s. (Silver, Isobornyl acrylate)  
Hazard class or division: 9  
Identification number: UN 3082  
Packing group: III

### Water Transportation (IMO/IMDG)

Proper shipping name: RQ, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Silver, Isobornyl acrylate)  
Hazard class or division: 9  
Identification number: UN 3082  
Packing group: III  
Marine pollutant: Silver, Isobornyl acrylate

## 15. REGULATORY INFORMATION

### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** One or more components of this product are not listed and/or not active on the U.S Toxic Substances Control Act (TSCA) inventory. As such, this product may only be used for research and development purposes as described in 40 CFR 720.36. This product contains one or more components with a Polymer Exemption in accordance with 40 CFR 723.250.

**TSCA 6 Risk Management Rules** This product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal. Please contact Henkel Product Safety & Regulatory Affairs for further information.

**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:** Immediate Health, Delayed Health  
**CERCLA/SARA Section 313:** 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).

**CERCLA Reportable quantity:** Silver (CAS# 7440-22-4) 1,000 lbs. (454 kg)

**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/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.

## 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 9,16

**Prepared by:** Product Safety and Regulatory Affairs

**Issue date:** 12/07/2023

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