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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) Aviation Gasket Sealant Liquid
Product type: Sealant
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 30516 / IDH No. 234893
Region: United States
Contact Information:
Telephone: (860) 571-5100
Emergency telephone: (860) 571-5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Talc 14807-96-6	10-30	2 mg/m ³ TWA respirable fraction, particulate matter containing no asbestos and < 1% crystalline silica	= 20 mppcf TWA	50 ppm
Vegetable oil 68187-84-8	30-60	None	None	None
Rosin 8050-09-7	10-30	None	None	None
Isopropyl alcohol 67-63-0	10-30	200 ppm TWA 400 ppm STEL	400 ppm TWA 980 mg/m ³ TWA	None
Silica, quartz 14808-60-7	0.1-1	0.05 mg/m ³ TWA respirable fraction	0.1mg/m ³ TWA (respirable)	None

3. HAZARDS IDENTIFICATION

<u>EMERGENCY OVERVIEW</u>	
Physical state: Paste	HEALTH: 2*
Color: Dark brown	FLAMMABILITY: 3
Odor: Alcoholic	PHYSICAL HAZARD: 0
	Personal Protection: See Section 8
WARNING: FLAMMABLE LIQUID AND VAPOR. MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.	

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation:	May cause respiratory tract irritation. May cause irritation to nose and throat.
Skin contact:	May cause allergic skin reaction. May cause skin irritation.
Eye contact:	Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

- Inhalation:** Remove to fresh air. If discomfort persists seek medical attention.
- Skin contact:** Remove contaminated clothing and shoes. Immediately flush skin with plenty of water (using soap, if available). Wash clothing before reuse. Get medical attention if symptoms occur.
- Eye contact:** Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
- Ingestion:** Do not induce vomiting. Keep individual calm. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

- Flash point:** 15°C (60°F) Tagliabue closed cup
- Autoignition temperature:** Not available
- Flammable/Explosive limits-lower %:** Not available
- Flammable/Explosive limits-upper %:** Not available
- Extinguishing media:** Foam, dry chemical or carbon dioxide.
- Special fire fighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
- Unusual fire or explosion hazards:** None
- Hazardous combustion products:** Aldehydes. Oxides of carbon. Carboxylic acids. Acrid smoke and fumes.

6. ACCIDENTAL RELEASE MEASURES

- Environmental precautions:** Prevent product from entering drains or open waters.
- Clean-up methods:** Remove all sources of ignition. Ensure adequate ventilation. Scrape up spilled material and place in sealed container for disposal.

7. HANDLING AND STORAGE

- Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.
- Storage:** Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
- Incompatible products:** Refer to Section 10.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering controls:** Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.
- Respiratory protection:** Use a NIOSH approved supplied air respirator if the potential to exceed established exposure limits exists.
- Skin protection:** Use impermeable gloves and protective clothing as necessary to prevent skin contact. Disposable rubber or plastic gloves.
- Eye/face protection:** Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Paste
Color: Dark brown
Odor: Alcoholic
Vapor pressure: 33 mmHg @20°C (68° F)
pH: Not applicable
Boiling point/range: 82°C (180°F)
Melting point/range: Not available
Specific gravity: 1.1 at 25°C (77°F)
Vapor density: 2.07
Evaporation rate: 7.7 (Ether = 1)
Solubility in water: Partial
Partition coefficient (n-octanol/water): Not available
VOC content: 24.9%; 274 grams/liter (EPA Method 24)

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Hazardous decomposition products: Oxides of carbon. Aldehydes. Carboxylic acid Acrid smoke and fumes.
Incompatibility: Strong oxidizing agents. Acids.
Conditions to avoid: See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Talc 14807-96-6	No	No	No
Vegetable oil 68187-84-8	No	No	No
Rosin 8050-09-7	No	No	No
Isopropyl alcohol 67-63-0	No	No	No
Silica, quartz 14808-60-7	Known Carcinogen	Group 1	Yes

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Talc 14807-96-6	Some evidence of carcinogenicity, Lung, Irritant
Vegetable oil 68187-84-8	No data
Rosin 8050-09-7	Respiratory, Irritant, Allergen
Isopropyl alcohol 67-63-0	Allergen, Blood, Central nervous system, Irritant, Kidney, Liver, Brain, Spleen
Silica, quartz 14808-60-7	Some evidence of carcinogenicity, Lung, Immune system

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

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

Proper shipping name: RESIN SOLUTION
Hazard class or division: 3
Identification number: UN 1866
Packing group: II
Exceptions: Consumer Commodity ORM-D (Not more than 5L)

International Air Transportation (ICAO/IATA):

Proper shipping name: RESIN SOLUTION
Hazard class or division: 3
Identification number: UN1866
Packing group: II
Exceptions: Consumer Commodity, ID 8000, Class 9 (Not more than 500 mL)

Water Transportation (IMO/IMDG):

Proper shipping name: RESIN SOLUTION
Hazard class or division: 3
Identification number: UN1866
Packing group: II
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 5 (a) (2) SNUR: None.
TSCA 12 (b) Export Notification: None.

CERCLA/SARA Section 302 EHS: None.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard
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.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class: B.3, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 14, 15

Prepared by: Regulatory Affairs

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