

SAFETY DATA SHEET

© Carlisle Fluid Technologies, Inc.
 PRODUCT RELATED HEALTH DATA SHEET

1. IDENTIFICATION of the SUBSTANCE/MIXTURE and of the COMPANY

1.1 Product identifier

Product Name : WHITE THREAD SEALANT
Product Code : Part No. 7969-10
Product Description : Thread Sealant.
SDS # : SDS-179 REVISION #: 3.0.0

CHEMICAL FORMULA: Mixture.

CAS NUMBER : Not Applicable.

Article Code : Not Applicable.

GENERAL USE : Thread Sealant.

DATE REVISED: 09/22/2017 **DATE PREPARED:** 09/22/2017

1.2 Relevant identified uses of the substance or mixture and uses advised against
 Not applicable.

1.3 Details of the supplier of the safety data sheet

Carlisle Fluid Technologies, Inc.

16430 North Scottsdale Road

Scottsdale, AZ 85254

Technical service number 1-888-992-4657

1.4 Emergency telephone number

Emergency Number - INFOTRAC

EMERGENCY PHONE (24 HOURS):

1-800-535-5053

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Product definition : Mixture.

Classification

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

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :



Signal word :

Warning.

Hazard statements :

CAUSES SKIN AND EYE IRRITATION.

MAY CAUSE AN ALLERGIC SKIN REACTION.

Precautionary statements

Prevention :

Avoid breathing dust or fumes. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

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.

PRODUCT NAME: WHITE THREAD SEALANT SDS#: SDS-179

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

Supplemental label elements : None.

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).

Special packaging requirements

Containers to be fitted with child-resistant fastenings : Not applicable.

Tactile warning of danger : Not applicable.

2.3 Other hazards

Other hazards which do not result in classification

Properties affecting health : Wash areas of contact with soap and water.

Principle routes of exposure : Skin, eye.

Skin contact : Causes skin irritation.

Eye contact : Causes eye irritation.

Inhalation : Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Ingestion : May cause gastrointestinal tract irritation if swallowed.

Chronic Effects: None.

Medical Conditions Aggravated by Long-Term Exposure: May cause an allergic skin reaction.

Target Organs: Not available.

Hazard(s) not otherwise classified : Not classified.

(HNOC)

Signs and Symptoms: May cause irritation to the skin and eyes. If such a reaction occurs, seek medical attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Mica	12001-26-2	10 - 30
Polyglycol dimethacrylate	Proprietary	10 - 30
Polyglycoldioctanoate	Proprietary	10 - 30
Octan-1-ol	111-87-5	10 - 30
Ethene, tetrafluoro-, homopolymer	9002-84-0	5 - 10
Silica, amorphous, treated	68909-20-6	1 - 5
Titanium dioxide	13463-67-7	1 - 5
Propane-1,2-diol	57-55-6	1 - 5
Cumene hydroperoxide	80-15-9	0.1 - 1
Benzaldehyde	100-52-7	0.1 - 1
Cumene	98-82-8	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

4.1 Description of first aid measures

EYE CONTACT : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

INHALATION : Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

SKIN CONTACT : Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. 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. Get medical attention.

Protection of first-aiders : Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

- Eye contact** : Causes eye irritation.
- Inhalation** : Inhalation of vapors or mists of the product may be irritating to the respiratory system.
- Skin contact** : Causes skin irritation.
- Ingestion** : May cause gastrointestinal tract irritation if swallowed.

Over-exposure signs/symptoms

- Eye contact** : Causes eye irritation.
- Inhalation** : Inhalation of vapors or mists of the product may be irritating to the respiratory system.
- Skin contact** : Causes skin irritation.
- Ingestion** : May cause gastrointestinal tract irritation if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

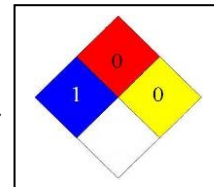
5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media** : Water spray (fog), foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media** : Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

- Flammability class** : Not applicable.
- Flame Projection** : Not applicable.
- Flash Point** : > 93.3 °C (> 199.94 °F) Tagliabue closed cup.
- Autoignition Temperature** : Not available.
- Sensitivity to Static Discharge** : No information available.
- Hazards from the substance or mixture** : No information available.
- Unusual Fire and Explosion Hazards** : Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.
- Hazardous combustion products** : Oxides of carbon. Toxic fluorine compounds. Irritating organic vapors.
- Note** : None.



5.3 Advice for firefighters

- Special precautions for fire-fighters** : Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

HMIS RATING: See Section 15.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the MSDS. Observe precautions from other sections.
- For emergency responders** : Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

- 6.2 Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil. Prevent entry into waterways, sewers, basements or confined areas. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Spills into or upon navigable waters, the contiguous zone, or adjoining shorelines that cause a sheen or discoloration on the surface of the water, may require notification of the National Response

6.3 Methods and materials for containment and cleaning up

Small & Large spill

: Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a partly filled, closed container until disposal. Dispose of via a licensed waste disposal contractor. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

6.4 Reference to other sections

: See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

General

: 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. Refer to Section 8.

Protective measures

: Put on appropriate personal protective equipment (see Section 8).
Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

: Keep away from heat and sources of ignition. Store in cool place.
For safe storage, store at or below 38 °C (100.4 °F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations

: Not available.

Industrial sector specific solutions

: Not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

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
Mica	3 mg/m ³ TWA Respirable fraction.	20 MPPCF TWA	None	None
Polyglycol dimethacrylate	None	None	None	None
Polyglycoldioctanoate	None	None	None	None
Octan-1-ol	None	None	50 ppm (265 mg/m ³) TWA	None
Ethene, tetrafluoro-, homopolymer	None	None	None	10 mg/m ³ TWA Total dust. 5 mg/m ³ TWA Respirable fraction.
Silica, amorphous, treated	10 mg/m ³ TWA Inhalable dust.	6 mg/m ³ TWA	None	None
Titanium dioxide	10 mg/m ³ TWA	15 mg/m ³ PEL Total dust.	None	None
Propane-1,2-diol	None	None	10 mg/m ³ TWA Aerosol.	None
Cumene hydroperoxide	None	None	1 ppm (6 mg/m ³) TWA (SKIN)	None



Benzaldehyde	None	None	4 ppm (17.4 mg/m ³) STEL 2 ppm (8.7 mg/m ³) TWA (Skin sensitizer)	None
Cumene	50 ppm TWA	50 ppm (245 mg/m ³) PEL (SKIN)	None	None

Recommended monitoring procedures : Follow standard monitoring procedures.
This material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg/m³.

8.2 Exposure controls

Appropriate engineering : Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Personal Protection Equipment

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. Neoprene, Butyl-rubber, or nitrile- rubber gloves.

Body Protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product

Respiratory Protection : Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Other protective clothing : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals.

Hygienic Practices : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

8.3 Environmental exposure controls

: Environmental manager must be informed of all major releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm). Data represent typical values and are not intended to be specifications.

- Physical state** : Paste.
- Color** : White.
- Odor** : Mild.
- pH** : Not applicable.
- Freezing point** : Not available.
- Melting point** : Not available.
- Flash point** : > 93.3 °C (> 199.94 °F) Tagliabue closed cup.
- Boiling point/range** : > 149 °C (> 300.2 °F).
- Melting point/ range** : Not available.
- Burning rate** : Not applicable.
- Flammable/Explosive limits-lower**: Not available.
- Flammable/Explosive limits-upper**: Not available.
- Vapor pressure** : < 10 mm hg (27 °C (80.6 °F)).



PRODUCT NAME: WHITE THREAD SEALANT SDS#: SDS-179

- Vapor Density (air=1) : Not available.
- Solubility in Water : Slight.
- Partition coefficient: : No data.
- n- octanol/water
- Auto-ignition temperature : Not determined.
- Decomposition temperature : No data.
- Viscosity : Not available.
- Specific Gravity (water=1) : 1.21.
- Pour Point : No data.
- Explosive properties : No data.
- VOC content : 0.72 %; 6.86 g/l.
- Oxidizing properties : No data.
- Evaporation Rate : No data.
- 9.2 Other information : Not determined.

10. STABILITY AND REACTIVITY

- 10.1 Reactivity : Stable under normal conditions of storage and use.
- 10.2 Chemical stability : Stable.
- 10.3 Possibility of hazardous reactions : None under normal processing. Polymerization may occur at elevated temperature or in the presence of incompatible materials.
- 10.4 Conditions to avoid : Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.
- 10.5 Incompatible materials : Strong oxidizing agents.
- 10.6 Hazardous decomposition products : Oxides of carbon. Toxic fluorine compounds. Irritating organic vapors.

11. TOXICOLOGICAL INFORMATION

11.1 Information on likely routes of exposure

- Ingestion : May cause gastrointestinal tract irritation if swallowed.
- Inhalation : Inhalation of vapors or mists of the product may be irritating to the respiratory system.
- Skin contact : Causes skin irritation. May cause allergic skin reaction.
- Eye contact : Causes eye irritation.
- Symptoms related to the physical, chemical and toxicological characteristics : Direct contact with eyes and skin causes irritation.

11.2 Information on toxicological effects

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Mica	None	Lung
Polyglycol dimethacrylate	None	Allergen, Irritant
Polyglycoldioctanoate	None	Irritant
Octan-1-ol	Oral LD50 (Mouse) = 1,800 mg/kg Oral LD50 (Rat) = > 5 g/kg Dermal LD50 (Rabbit) = > 5 g/kg	Central nervous system, Irritant
Ethene, tetrafluoro-, homopolymer	None	No Target Organs
Silica, amorphous, treated	None	No Target Organs
Titanium dioxide	None	Irritant, Respiratory, Some evidence of carcinogenicity
Propane-1,2-diol	Oral LD50 (Rabbit) = 18 g/kg Oral LD50 (Mouse) = 23.9 g/kg Oral LD50 (Rat) = 30 g/kg	Irritant
Cumene hydroperoxide	Inhalation LC50 (Mouse, 4 h) = 200 mg/l	Allergen, Central nervous system, Corrosive, Irritant, Mutagen
Benzaldehyde	Oral LD50 (Rat) = 1,300 mg/kg Dermal LD50 (Rabbit) = > 1,250 mg/kg	Allergen, Central nervous system, Irritant
Cumene	Oral LD50 (Rat) = 2.91 g/kg Oral LD50 (Rat) = 1,400 mg/kg Inhalation LC50 (Rat, 4 h) = 8000 ppm	Central nervous system, Irritant, Lung



Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Mica	No	No	No
Polyglycol dimethacrylate	No	No	No
Polyglycoldioctanoate	No	No	No
Octan-1-ol	No	No	No
Ethene, tetrafluoro-, homopolymer	No	No	No
Silica, amorphous, treated	No	No	No
Titanium dioxide	No	Group 2B	No
Propane-1,2-diol	No	No	No
Cumene hydroperoxide	No	No	No
Benzaldehyde	No	No	No
Cumene	Reasonably Anticipated to be a Human Carcinogen.	Group 2B	No

Reproductive toxicity : Knowledge about health hazard is incomplete.
Specific target organ toxicity - single exposure : Eye, Skin and Respiratory tract irritation.
Specific target organ toxicity - repeated exposure : Not classified.
Aspiration hazard : Not likely, due to the form of the product.
Chronic effects : Prolonged inhalation may be harmful.
Further information : None known.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Aquatic
Conclusion/Summary : Not available.
12.2 Persistence
Conclusion/Summary : No data is available on the degradability of this product.
12.3 Bioaccumulation/Accumulation
Conclusion/Summary : Not available.
12.4 Mobility/Persistence in soil
Conclusion/Summary : No data available.
12.5 Degradability/Leaching
Conclusion/Summary : No data is available on the degradability of this product.
12.6 Environmental Fate
Conclusion/Summary : Not available.
12.7 Results of PBT and vPvB assessment
Conclusion/Summary : Not available.
12.8 Test Data : Not available.

13. DISPOSAL CONSIDERATIONS

The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations.

13.1 Waste treatment methods
Methods of disposal : Follow all local, state, federal and provincial regulations for disposal.
Hazardous waste number: D018: Benzene.

13.2 Packaging
Methods of disposal : Dispose of in accordance with local regulations.

13.3 Special precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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.

14.1 U.S. Department of Transportation Ground (49 CFR)
Proper shipping name: RQ, Environmentally hazardous substances, solid,
Hazard class or division: 9

PRODUCT NAME: WHITE THREAD SEALANT SDS#: SDS-179



Identification number: UN 3077
Packing group: III
DOT Hazardous Substance(s): alpha,alpha-Dimethylbenzylhydroperoxide

14.2 International Air Transportation (ICAO/IATA)

Proper shipping name: RQ, Environmentally hazardous substance, solid,
Hazard class or division: 9
Identification number: UN 3077
Packing group: III

14.3 Water Transportation (IMO/IMDG)

Proper shipping name: RQ, ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
Hazard class or division: 9
Identification number: UN 3077
Packing group: III

14.4 Canada Transportation of Dangerous Goods - Ground

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

15. REGULATORY INFORMATION

15.1 US federal regulations

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: Ethene, tetrafluoro-, homopolymer (CAS# 9002-84-0).

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

CERCLA/SARA Section 311/312: Immediate Health, Delayed Health

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

CERCLA Reportable quantity: Cumene hydroperoxide (CAS# 80-15-9) 10 lbs. (4.54 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.

15.2 Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

15.3 HMIS RATING: Health 1, Flammability 0, Reactivity 0

15.4 NFPA RATING: Health 1, Flammability 0, Reactivity 0

16. OTHER INFORMATION

16.1 Full text of abbreviated H statements : None.

16.2 Full text of classifications : None.

16.3 Full text of abbreviated R phrases : None.

16.4 Full text of classifications [DSD/DPD] : None.

16.5 Guide to Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygienists; CASRN = Chemical Abstracts Service Registry Number; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; EPA = Environmental Protection Agency; GHS = Globally Harmonized System; IARC = International Agency for Research on Cancer; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; WHMIS = Worker Hazardous Materials Information System (Canada)

PRODUCT NAME: WHITE THREAD SEALANT SDS#: SDS-179



16.6 SDS PREPARED BY: Director of Chemical Safety

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, Carlisle Fluid Technologies, Inc. makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will Carlisle Fluid Technologies, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.

*** END OF SDS ***

