

SAFETY DATA SHEET



Triangle Fastener Corporation

Page 1 of 13
Version: 1.1
Revision Date: 5/5/2015

ULTRA 1000 Premium Silicone Sealant

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Brand Name: Ultra 1000 Premium Silicone Sealant

Other Names/Synonyms: None

Recommended Use: Sealant - Other

Uses advised against: No information available

Company Contact Information

Triangle Fastener Corporation
1925 Preble Ave
Pittsburgh, PA 15233
Telephone: 412-321-5000

Emergency Telephone Number

CHEMTREC: 1-800-424-9300 (24 hours) or 1-703-527-3887

2. HAZARDS IDENTIFICATION

GHS Classification



Classification: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization: Category 1

Emergency Overview: Signal word - Warning

Hazard Statements: May cause an allergic skin reaction

Appearance: Varies

Physical State: Paste Liquid

Odor: Mild

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)

Skin

SAFETY DATA SHEET



Triangle Fastener Corporation

Page 2 of 13
Version: 1.1
Revision Date: 5/5/2015

ULTRA 1000 Premium Silicone Sealant

IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

69.21% of the mixture consists of ingredient(s) of unknown toxicity

Other information

Causes mild skin irritation
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Mixture

Chemical Nature: Silicone

| <u>CAS Number</u> | <u>*Wt %</u> | <u>Component Name</u> |
|-------------------|--------------|--|
| 70131-67-8 | 45 - 55 | Hydroxy functional polydimethyl siloxane polymer |
| 112945-52-5 | 1 - 15 | Silicone Dioxide |
| 22984-54-9 | 1 - 15 | Methyl-O,O',O''-butan-2-on-trioximo-silane |
| 63148-62-9 | 25 - 30 | Polydimethyl Siloxane |
| 1317-65-3 | 5 - 20 | Calcium Carbonate (Limestone) |
| 1333-86-4 | 0 - 1 | Carbon Black (if needed) |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SAFETY DATA SHEET



Triangle Fastener Corporation

Page 3 of 13
Version: 1.1
Revision Date: 5/5/2015

ULTRA 1000 Premium Silicone Sealant

4. FIRST AID MEASURES

General Advice: Show this safety data sheet to the doctor in attendance.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Skin Contact

Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

Inhalation

Remove to fresh air.

Ingestion

Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects

Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

May cause sensitization of susceptible persons; treat symptomatically. Treat according to person's condition and specifics of exposure.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

Product is or contains a sensitizer. May cause sensitization by skin contact.

Uniform Fire Code

Sensitizer: Liquid

Hazardous Combustion Products

SAFETY DATA SHEET



Triangle Fastener Corporation

Page 4 of 13
Version: 1.1
Revision Date: 5/5/2015

ULTRA 1000 Premium Silicone Sealant

Carbon oxides

Explosion Data

Sensitivity to Mechanical Impact: No

Sensitivity to Static Discharge: No

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Avoid contact with eyes.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions

Environmental Precautions

Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Storage

Keep container tightly closed.

SAFETY DATA SHEET



Triangle Fastener Corporation

Page 5 of 13
Version: 1.1
Revision Date: 5/5/2015

ULTRA 1000 Premium Silicone Sealant

Incompatible Products

None known based on information supplied.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-----------------------|--|--|---|
| Supplier Trade Secret | 10 mg/m ³ | TWA: 20 mppcf; ((80)/(%) SiO ₂) mg/m ³ | IDLH: 3000 mg/m ³ TWA: 6 mg/m ³ |
| Supplier Trade Secret | - | TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³ | TWA: 5 mg/m ³ respirable dust TWA: 10 mg/m ³ total dust |
| Supplier Trade Secret | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust | IDLH: 5000 mg/m ³ |
| Supplier Trade Secret | TWA: 3 mg/m ³ inhalable fraction | TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³ | IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

Appropriate engineering controls

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Wear safety glasses with side shields (or goggles).

SAFETY DATA SHEET



Triangle Fastener Corporation

Page 6 of 13
Version: 1.1
Revision Date: 5/5/2015

ULTRA 1000 Premium Silicone Sealant

Skin and Body Protection

Wear protective gloves and protective clothing.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical Form: Paste, Liquid
Color: Varies
Odor: Mild
Odor Threshold: No information available
Appearance: Varies

| <u>Property</u> | <u>Values</u> | <u>Remarks Method</u> |
|--|-------------------|-----------------------|
| pH | UNKNOWN | None known |
| Melting / freezing point | No data available | None known |
| Boiling point / boiling range | No data available | None known |
| Flash Point | No data available | None known |
| Evaporation Rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air | | |
| Upper flammability limit | No data available | |
| Lower flammability limit | No data available | |
| Vapor pressure | No data available | None known |
| Vapor density | No data available | None known |
| Specific Gravity | No data available | None known |
| Water Solubility | No data available | None known |
| Solubility in other solvents | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autoignition temperature | No data available | None known |
| Decomposition temperature | No data available | None known |
| Kinematic viscosity | No data available | None known |
| Dynamic viscosity | No data available | None known |
| Explosive properties | No data available | None known |
| Oxidizing Properties | No data available | |

Other Information

Softening Point No data available

SAFETY DATA SHEET



Triangle Fastener Corporation

Page 7 of 13
Version: 1.1
Revision Date: 5/5/2015

ULTRA 1000 Premium Silicone Sealant

| | |
|----------------------------|---|
| VOC Content (g/L) | VOC Compliant less water and less than 29 g/L |
| Particle Size | No data available |
| Particle Size Distribution | No data available |

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation:

Specific test data for the substance or mixture is not available.

Eye Contact:

Specific test data for the substance or mixture is not available.

Skin Contact:

Specific test data for the substance or mixture is not available.

Ingestion:

Specific test data for the substance or mixture is not available.

SAFETY DATA SHEET



Triangle Fastener Corporation

Page 8 of 13
Version: 1.1
Revision Date: 5/5/2015

ULTRA 1000 Premium Silicone Sealant

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------------|---------------------|-------------------|-----------------|
| Supplier Trade Secret | > 10000 mg/kg (rat) | - | - |
| Supplier Trade Secret | > 15400 mg/kg (rat) | > 3 g/kg (rabbit) | - |

Information on toxicological effects

Symptoms:

Itching. Rashes. Hives.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization:

May cause sensitization of susceptible persons. May cause sensitization by skin contact.

Mutagenic Effects:

No information available.

Carcinogenicity:

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|-----------------------|-------|----------|-----|------|
| Supplier Trade Secret | - | Group 3 | - | - |
| Supplier Trade Secret | - | Group 2B | - | X |
| Supplier Trade Secret | A3 | Group 2B | - | X |

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive Toxicity

No information available.

STOT - single exposure

SAFETY DATA SHEET



Triangle Fastener Corporation

Page 9 of 13
Version: 1.1
Revision Date: 5/5/2015

ULTRA 1000 Premium Silicone Sealant

No information available.

STOT - repeated exposure

No information available.

Chronic Toxicity

No known effect based on information supplied. Carbon black has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product. Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product.

Target Organ Effects

Skin. Respiratory system. Eyes. Gastrointestinal tract (GI). Lungs. Lymphatic System.

Aspiration Hazard

No information available.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Not applicable

12. ECOLOGICAL CONSIDERATIONS

Ecotoxicity

The environmental impact of this product has not been fully investigated.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|-----------------------|-------------------|------------------|----------------------------|----------------------------|
| Supplier Trade Secret | - | - | - | 24h EC50: >5600mg/L |

Persistence and Degradability

No information available.

Bioaccumulation

No information available

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

SAFETY DATA SHEET



Triangle Fastener Corporation

Page 10 of 13
Version: 1.1
Revision Date: 5/5/2015

ULTRA 1000 Premium Silicone Sealant

Waste treatment methods

Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT NOT REGULATED

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies

DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

SAFETY DATA SHEET



Triangle Fastener Corporation

Page 11 of 13
Version: 1.1
Revision Date: 5/5/2015

ULTRA 1000 Premium Silicone Sealant

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard: Yes
Chronic Health Hazard: No
Fire Hazard: No
Sudden release of pressure hazard: No
Reactive Hazard: No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

None reportable.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|-----------------------|------------|---------------|--------------|--------------|----------|
| Supplier Trade Secret | X | X | X | | |
| Supplier Trade Secret | X | X | X | | X |
| Supplier Trade Secret | | X | | | |

International Regulations

Mexico

SAFETY DATA SHEET



Triangle Fastener Corporation

Page 12 of 13
Version: 1.1
Revision Date: 5/5/2015

ULTRA 1000 Premium Silicone Sealant

| Component | Carcinogen Status | Exposure Limits |
|-----------------------------|-------------------|---|
| Supplier Trade Secret (1-5) | | TWA= 10 mg/m ³ STEL= 20 mg/m ³ |
| Supplier Trade Secret (1-5) | | TWA= 10 mg/m ³ STEL= 20 mg/m ³ |
| Supplier Trade Secret (1-5) | | TWA= 3.5 mg/m ³ STEL= 7 mg/m ³ |

Canada

WHMIS Hazard Class
D2B - Toxic materials



16. OTHER INFORMATION

NFPA

Health Hazards: 2
Flammability: 0
Instability: 0
Physical/Chemical Haz. -

HMIS

Health Hazards: 2
Flammability: 0
Physical Hazard: 0
Personal Protection: X

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice

SAFETY DATA SHEET



Triangle Fastener Corporation

Page 13 of 13

Version: 1.1

Revision Date: 5/5/2015

ULTRA 1000 Premium Silicone Sealant

procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

<http://www.trianglefastener.com/>