

SAFETY DATA SHEET



Triangle Fastener Corporation

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Version: 1.1
Revision Date: 6/24/2016

TFC BUTYL SEALANT – PREMIUM GRADE

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Brand Name: TFC Non-Skinning Butyl 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



Carcinogenicity: Category 2

Skin sensitization: Category 2

Serious eye damage/eye irritation: Category 2A

Emergency Overview: Signal word - Warning

Hazard Statements: Causes skin irritation; Causes serious eye irritation; Suspected of causing cancer

Appearance: Varies

Physical State: Paste Liquid

Odor: Hydrocarbon-like

Precautionary Statements - Prevention

If medical advice is needed, have product container or label at hand.
Keep out of reach of children. Read label before use; Wear protective gloves; Wear eye/face protection

Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label); Wash thoroughly after

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handling. Take off contaminated clothing and wash it before reuse.

Skin

IF ON SKIN: Wash with plenty of water; Get medical advice/attention

Eyes

IF IN EYES: Rinse cautiously with water for several minutes; Remove contact lenses if present and easy to do so; Get medical advice/attention

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician; Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

No information available

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Mixture

Chemical Nature: Butyl

<u>CAS Number</u>	<u>*Wt %</u>	<u>Component Name</u>
471-34-1	25 - 50	Calcium Carbonate
64742-55-8	5 - 20	Distillates (petroleum), hydrotreated light paraffinic
1332-58-7	2.5 - 10	Kaolin
8052-41-3	2.5 - 10	Stoddard solvent (mineral spirits)
1317-65-3	2.5 - 10	Limestone
546-93-0	2.5 - 10	Magnesite
1305-78-8	≤ 2.5	Calcium oxide
112926-00-8	≤ 1	Precipitated silica (silica-amorphous)

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13463-67-7	≤ 1	Titanium dioxide
14808-60-7	≤ 0.03	Quartz (SiO ₂)
1333-86-4	≤ 0.03	Carbon Black

*The exact percentage (concentration) of composition has been withheld as a trade secret. It is highly unlikely the powders and pigments compounded within this product would pose a hazardous risk from inhalation as they are no longer a respirable particulate. Exposure to these ingredients as used in sealants, putties, bedding compounds and other non-sprayable products is highly unlikely. The concentrations listed in the composition section are percent by weight unless a gas. Gas concentrations are expressed in percent by volume.

4. FIRST AID MEASURES

General Advice: Show this safety data sheet to the doctor in attendance.
Immediate medical attention is required.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 20 minutes. Continue rinsing. Get medical attention if irritation develops and persists.

Skin Contact

Wipe excess from skin; Immediately wash with water and soap and rinse thoroughly

Inhalation

Call doctor immediately; overexposure: remove to fresh air and seek medical attention.

Ingestion

Call a physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

CO₂, extinguishing powder or water spray. Fight larger fires with water spray.

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Specific Hazards Arising from the Chemical

No information available.

Protective equipment and precautions for firefighters

Protective clothing and respiratory protective device

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Ensure adequate ventilation

Other Information

Refer to protective measures listed in Sections 7 (safe handling), 8 (PPE) and 13 (disposal).

Environmental Precautions

Environmental Precautions

Do not allow product to reach sewage or any water course.

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

Dispose of contaminated material as waste in accordance with federal, state and local regulations. Ensure adequate ventilation.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Open and handle receptacle with care

Conditions for safe storage, including any incompatibilities

Storage

Keep containers tightly closed when not in use. Keep away from open flames and high

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temperatures.

Incompatible Products

No information available

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	REL
Calcium Carbonate (CAS# 471-34-1)	TLV withdrawn	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
Kaolin (CAS# 1332-58-7)	Long-term value: 2* mg/m ³ E; as respirable fraction	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
Stoddard Solvent (CAS# 8052-41-3)	Long-term value: 525 mg/m ³ , 100 ppm	Long-term value: 2900 mg/m ³ , 500 ppm	Long-term value: 350 ppm Ceiling limit value: 1800* mg/m ³ *15-min
Magnesite (CAS# 546-93-0)	TLV withdrawn	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
Calcium Oxide (CAS# 1305-78-8)	Long-term value: 2 mg/m ³	Long-term value: 5 mg/m ³	Long-term value: 2 mg/m ³
Precipitated Silica (CAS# 112926-00-8)	TLV withdrawn	20mppcf or 80mg/m ³ /%SiO ₂	Long-term value: 6 mg/m ³ See Pocket Guide App. C
Titanium Dioxide (CAS# 13463-67-7)	Long-term value: 10 mg/m ³ withdrawn from NIC	Long-term value: 15* mg/m ³ *total dust	See Pocket Guide App. A
Quartz (CAS# 14808-60-7)	Long-term value: 0.025* mg/m ³ *as respirable fraction	see Quartz listing	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A

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Carbon Black (CAS# 1333-86-4)	Long-term value: 3* mg/m ³ *inhalable fraction	Long-term value: 3.5 mg/m ³	Long-term value: 3.5* mg/m ³ *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
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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

If splashes are likely to occur: Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Immediately remove all soiled and contaminated clothing. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Respiratory Protection

Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

Hygiene Measures

Keep away from foodstuffs, beverages, and feed. Wash hands before breaks and at the end of work. Store protective clothing separately.

9. PHYSICAL & CHEMICAL PROPERTIES

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

Property

Values

Remarks Method

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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	6.0 Vol %	
Lower flammability limit	1.1 Vol %	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	1.4 g/cm ³ (11.683 lbs/gal)	None known
Water Solubility	Insoluble	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Ignition temperature	230°C (446°F)	None known
Autoignition temperature	Product is not self-igniting	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	> 20.5 cSt	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing Properties	No data available	
Solids Content	85.0%	

Other Information

Softening Point	No data available
VOC Content (g/L)	< 150 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

No dangerous reactions known.

Conditions to avoid

Heat, flames, sparks

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Incompatible materials

Reacts with strong oxidizing agents

Hazardous Decomposition Products

No dangerous decomposition products known

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact:

May irritate the eye

Skin Contact:

May irritate skin

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

Sensitization:

No information available

Mutagenic Effects:

No information available.

Carcinogenicity:

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

Carcinogenic categories: IARC (International Agency for Research on Cancer)

112926-00-8	Precipitated silica (Silica-Amorphous)	3
13463-67-7	titanium dioxide	2B
14808-60-7	Quartz (SiO ₂)	1
1333-86-4	Carbon black	2B
100-41-4	ethylbenzene	2B

Carcinogenic categories: NTP (National Toxicology Program)

14808-60-7	Quartz (SiO ₂)	K
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12. ECOLOGICAL CONSIDERATIONS

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Aquatic toxicity:

Not expected to be harmful to aquatic organisms.

Persistence and degradability:

No further relevant information available.

Bioaccumulative potential:

No further relevant information available.

Mobility in soil:

No further relevant information available.

Additional ecological information:

General notes:

Do not allow product to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

Small amounts can be disposed of with household waster after the product has cured or skinned over. Larger quantities should be disposed of according to state and local regulation.

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

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RID Not regulated

ADR Not regulated

ADN Not regulated

Additional Information: This product is not classified as a Division 4.1 flammable solid according to UN Test N.1 Test Method for Readily Combustible Solids

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

US Federal Regulations

Section 313

Ethylbenzene (CAS# 100-41-4)

Section 355

None

Cancer Categories: EPA

100-41-4	Ethylbenzene	D
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Cancer Categories: TLV (Threshold Limit Value by ACGIH)

1332-58-7	Kaolin	A4
13463-67-7	Titanium Dioxide	A4
14808-60-7	Quartz	A2
1333-86-4	Carbon Black	A4
100-41-4	Ethylbenzene	A3

Cancer Categories: MAK (German Maximum Workplace Concentration)

100-41-4	Ethylbenzene	3A
13463-67-7	Titanium Dioxide	3A
14808-60-7	Quartz	1
1333-86-4	Carbon Black	3B

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Cancer Categories: NIOSH-Ca (National Institute of Occupational Safety and Health)

1333-86-4	Carbon Black
13463-67-7	Titanium Dioxide
14808-60-7	Quartz

Water hazard class

Not determined

California Proposition 65

Ethylbenzene (CAS# 100-41-4)

16. OTHER INFORMATION

NFPA

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

HMIS

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

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Carc. 2: Carcinogenicity, Hazard Category 2

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

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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

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