

SECTION 1: IDENTIFICATION**Product Identifier****Product Form:** Mixture**Product Name:** IMPERSOL™ SI Silicone**Product Code:** F02463**Intended Use of the Product**

Silicone Coating. For professional use only.

Name, Address, and Telephone of the Responsible Party**Manufacturer**

Bitec, Inc.

#2 Industrial Park Drive

Morrilton, AR 72110

T-800-535-8597

F-501-354-3019

www.bi-tec.com

Emergency Telephone Number**Emergency Number:** 1-800-535-8597**SECTION 2: HAZARDS IDENTIFICATION****Classification of the Substance or Mixture****Classification (GHS-US)**

Flam. Liq. 4 ; H226
Skin Irrit. 3 ; H316
Eye Irrit. 2 ; H319
Skin Sens. 1 ; H317
Carc. 2 ; H351
Repr. 2 ; H361F

Label Elements**GHS-US Labeling****Hazard Pictograms (GHS-US)****Signal Word (GHS-US)**

: DANGER

Hazard Statements (GHS-US)

: Combustible liquid. Causes mild skin irritation May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility.

Precautionary Statements (GHS-US)

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from flames / hot surfaces – No smoking. Keep cool. Ground / bond container and receiving equipment. Use explosion-proof electrical / ventilating / light / equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust / fume/ gas / mist/ vapors / spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves / eye protection / face protection.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**Substance**

Not available

Mixture

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Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Dimethylsiloxane CAS Number: 0063148-62-9	10 – 25	Aquatic Chronic 2;H411	[1]
Methyltris (methylethylketoximino)silane CAS Number: 0022984-54-9	1.0 – 10	Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317	[1]
Titanium dioxide CAS Number: 0013463-67-7	1.0 – 10	Not Classified	[1][2]
2-Butanone oxime CAS Number 0000096-29-7	1.0 – 10	Carc. 2;H351 Acute Tox. 4;H312 Eye Dam. 1;H318 Skin Sens. 1;H317	[1]
Proprietary*	0.10 – 1.0	Skin Irrit. 2;H315 Eye Irrit. 2;H319 Skin Sens. 1;H317 Aquatic Chronic 3;H412	[1]
Cyclotetrasiloxane, octamethyl- CAS Number: 0000556-67-2	0.10 – 1.0	Repr. 2;H361f Aquatic Chronic 4;H413	[1][3]

*In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance. *The full texts of the phrases are shown in Section 16.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

First-aid Measures General: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

First-aid Measures After Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

First-aid Measures After Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

First-aid Measures After Eye Contact: Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

First-aid Measures After Ingestion: If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: Not available

Special Hazards Arising from the Substance or Mixture

Fire Hazard: Product is considered combustible.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

This product is considered combustible and is a fire hazard. It supports combustion and decomposes under fire conditions to give off toxic materials. Do not pour, spill, or store near heat, spark sources, or open flame.

If electrical equipment is involved, the use of foam should be avoided. Use water spray to cool non-involved containers. Wear

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SCBA with a full-face piece operated in the positive pressure demand mode and full protective clothing (Bunker Gear) when fighting fires.

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂).

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: handle in accordance with good industrial hygiene and safety practice.

For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain with dikes or absorbents to prevent migration and entry into sewers or streams. Absorb and/or contain spill with inert material.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections

See Heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Do not freeze. Naked flames and smoking should not be permitted in storage areas. It is recommended that forklift trucks and electrical equipment are protected to the appropriate standard.

Incompatible Materials: Concentrated nitric and sulfuric acid. Strong oxidizers, halogen, and molten sulfur.

Storage Area: Store locked up. Store in a well-ventilated place. Keep cool.

Special Rules on Packaging: Keep only in original container.

Specific End Use(s)

Urethane roof coating. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Use standard protocols for exposure to particulates.

CAS No.
0014464-46-1

Ingredient
Cristobalite

Source
ACGIH

Value
TWA: 0.025 mg/m³

Exposure Controls

Appropriate Engineering Controls: Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Personal Protective Equipment:

Hand Protection: Use protective gloves as needed to avoid skin irritation.

Eye Protection: Not normally required.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink, or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance

: Viscous white or gray Liquid

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Odor	: Not specified
Odor threshold	: Not determined
pH	: Not available
Melting point / freezing point	: Not determined
Initial boiling point and boiling range	: Not determined
Flash Point	: 150°F ASTM D93
Evaporation rate (Ether = 1)	: Slower than ether
Flammability (solid, gas)	: Not applicable
Upper/lower flammability or explosive limits	: Lower Explosive Limit: 1.1 Upper Explosive Limit: 5.0
Vapor pressure (Pa)	: Not determined
Vapor Density	: Not available
Specific Gravity	: 1.37 (H ₂ O = 1)
Solubility in Water	: Negligible
Partition coefficient n-octonal/water (Log Know)	: Not Measured
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity (cSt)	: Not available
VOC Content	: < 100 g/liter
Density	: Heavier than air (Air + 1)

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous Polymerization will not occur.

Chemical Stability: Stable under normal circumstances.

Possibility of Hazardous Reactions: No data available.

Conditions to Avoid: Keep away from heat, flam and other potential ignition sources.

Incompatible Materials: Avoid strong oxidizing agents, concentrated nitric and sulfuric acids, halogen and molten sulfur.

Hazardous Decomposition Products:High temperatures and fires may produce carbon monoxide, oxides of nitrogen and various hydrocarbon fragments.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
2-Butanone oxime – (96-29-7)	930.00, Rat – Category: 4	2,000.00, Rabbit – Category: 4	20.00, Rat – Category: 4	No data available	5,000.00, Rat- Category: 4
Cyclotetrasiloxane, octamethyl- - (556-67-2)	2,000.00, Rat – Category: 4	4,640.00 Rabbit – Category: 5	36.00, Rat – Category: NA	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the products ATE (Acute Toxicity Estimate).

Carcinogen Data

CAS No.	Ingredient	Source	Value
0013463-67-7	Titanium dioxide	IARC	Group 2b: Yes
0014464-46-1	Cristobalite	NTP	Known: Yes

SECTION 12: ECOLOGICAL INFORMATION

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12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

Aquatic Ecotoxicity

<u>Ingredient</u>	<u>96 hr LC50 fish, mg/l</u>	<u>48 hr EC50 crustacea, mg/l</u>	<u>ErC50 algae, mg/l</u>
Dimethylsiloxane - (63148-62-9)	3.16, Ictalurus punctatus	44.50, Daphnia magna	Not Available
2-Butanone oxime - (96-29-7)	320.00, Leuciscus idus	500.00, Daphnia magna	83.00 (72 hr), Scenedesmus subspicatus
Proprietary	597.00, Danio rerio	81.00, Daphnia magna	126.00 (72 hr), Scenedesmus subspicatus
Cyclotetrasiloxane, octamethyl- - (556-67-2)	200.00, Leuciscus idus	25.20, Daphnia magna	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains PBT/vPvB chemicals.

12.6. Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Potentially toxic to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT – Not Regulated

In Accordance with IMDG – Not Regulated

In Accordance with IATA – Not Regulated

In Accordance with TDG – Not Regulated

SECTION 15: REGULATORY INFORMATION

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification B3 D2A

US EPA Tier II Hazards Fire: Yes
Sudden Release of Pressure: No

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Reactive:	No
Immediate (Acute):	Yes
Delayed (Chronic):	Yes

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

Titanium dioxide

New Jersey RTK Substances (>1%):

Titanium dioxide

Pennsylvania RTK Substances (>1%):

Titanium dioxide

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 10/04/21

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety, and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.

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