

SDS

SAFETY DATA SHEET

Oakwood Products, Inc
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 Estill, SC 29918
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Phone Numbers:

| | |
|--------------------------|--------------|
| Product Information | 803-739-8800 |
| Transportation Emergency | 800-451-8346 |
| Outside the USA | 760-602-8700 |

MATERIAL IDENTIFICATION

NAME: Bis(trimethylsilyl)peroxide

CAS#: [5796-98-5]

CAT#: S02777

For R&D use only.

HAZARDS IDENTIFICATION**GHS Classification**

Flammable liquids (Category 2)

GHS Classification (Type C)

Aspiration hazard (Category 1)

Skin corrosion/irritation (Category 2)

Serious eye damage/eye irritation (Category 1)

Respiratory tract irritation (Category 3)

Narcotic effects (Category 3)

Reproductive toxicity (Category 2)

Specific target organ toxicity, single exposure (Category 1)

Hazardous to the aquatic environment, acute hazard (Category 2)

GHS Label elements, including precautionary statements

Pictograms



Signal Word

Danger

Hazard Statement(s)

H225

Highly Flammable liquid and vapour

H242

Heating may cause a fire

H304

May be fatal if swallowed and enters airways

H315

Causes skin irritation

H318

Causes serious eye damage

H335

May cause respiratory irritation

H336

May cause drowsiness or dizziness

| | |
|------|--|
| H361 | Suspected of damaging fertility or the unborn child |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H401 | Toxic to aquatic life |

Precautionary Statement(s)

| | |
|--------------------|--|
| P201 | Obtain special instructions before use. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. — No smoking. |
| P234 | Keep only in original container. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P264 | Wash hands thoroughly after handling. |
| P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P302 + P352 | IF ON SKIN: wash with plenty of soap and water. |
| P304 + P340 | IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P307 + P311 | IF exposed: call a POISON CENTER or doctor/physician. |
| P313 | Get medical advice/attention. |

COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|------------------|---|
| Formula | : C ₆ H ₁₈ O ₂ Si ₂ |
| Molecular Weight | : 178.38 |

| CAS | Description | Concentration |
|-----------|-----------------------------|---------------|
| 5796-98-5 | Bis(trimethylsilyl)peroxide | |

FIRST AID MEASURES**In case of eye contact**

Immediately flush eyes with running water for at least 15 minutes while keeping eyes open. Seek medical attention.

In case of skin contact

Wash thoroughly with soap and plenty of water. Seek medical attention.

If inhaled

Remove victim from source of exposure to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

If swallowed

Do not induce vomiting. Give water to victim to drink. Seek medical attention.

FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Use carbon dioxide, dry chemical powder, alcohol-resistant or polymer foam.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosion hazards/decomposition of product

emits toxic fumes under fire conditions.

ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid breathing fumes, vapors, mists or gas. Ventilate area. Remove all sources of ignition. Evacuate personnel.

Environmental precautions

Prevent further leakage if safe to do so.

Methods and materials for containment and clean up

Absorb spills on sand or vermiculite and place in closed container for disposal.

HANDLING AND STORAGE

Precautions for safe handling

Avoid prolonged use. Avoid all direct contact with material. Do not breathe dust or vapor. Wash thoroughly after handling.

Precautions for safe storage

Keep container tightly closed. Store in a cool, dry, well-ventilated area. Keep cold.

EXPOSURE CONTROL/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Eye/face protection

Wear protective safety goggles or face shields tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Hand/skin protection

Avoid all direct contact with product.
Wear chemical-resistant gloves.
Wear protective clothing and boots.
After contact with skin, wash immediately.

Respiratory protection

Ensure adequate ventilation during use. Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the exposure limits.

PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------|-------------------|
| Appearance | Liquid |
| Odour | no data available |
| Odour Threshold | no data available |

| | |
|--|-------------------|
| Melting point/Freezing Point | no data available |
| Boiling Point | 35°C/35mm Hg |
| Flash Point | 40°C-closed cup |
| Evaporation Rate | no data available |
| Flammability (solid, gas) | no data available |
| Upper/Lower Flammability or Explosive limits | no data available |
| Vapour pressure | no data available |
| Relative Density | 0.829 |
| Solubility(ies) | no data available |
| Partition coefficient: n-octanol/water | no data available |
| Auto-ignition temperature | no data available |
| Decomposition temperature | no data available |
| Viscosity | no data available |
| Refractive Index | no data available |

STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

no data available

Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

Incompatible materials

Strong oxidizing agents, strong reducing agents, strong acids, and strong bases.

Hazardous decomposition products

May evolve carbon monoxide, carbon dioxide, and silicon oxides.

TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Skin corrosion/irritation

Causes skin irritation

Serious eye damage/eye irritation

Causes serious eye damage

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

Suspected of damaging fertility or the unborn child

STOT-single exposure

May cause respiratory irritation

May cause drowsiness or dizziness

STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure

Aspiration hazard

May be fatal if swallowed and enters airways

Exposure Routes

Harmful to skin, eyes, and respiratory system.

May be toxic if inhaled or swallowed.

To the best of our knowledge, the health hazards of this material have not been fully investigated.

ECOLOGICAL INFORMATION

Toxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

DISPOSAL CONSIDERATIONS

Dissolve in or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and local laws.

TRANSPORT INFORMATION

DOT

Organic peroxide type C, liquid

5.2

UN3103 II

IMDG

Organic peroxide type C, liquid

5.2

UN3103

EMS-No: F-J, S-R

IATA

Organic peroxide type C, liquid

5.2

UN3103

REGULATORY INFORMATION**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

New Jersey Right to Know Components

This product may contain a chemical on the New Jersey Right to Know Components List.

Bis(trimethylsilyl)peroxide

CAS

5796-98-5

California Prop. 65 Components

This product may contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

OTHER INFORMATION

Version : 1.1

Revision Date : 2/24/2016

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Oakwood shall not be held liable for any damage resulting from handling or from contact with the above product.