

# SAFETY DATA SHEET



**PROSOCO**  
Revision Number 2.01

Issuing Date 05-Jan-2015

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Conservare® H100 Consolidation Treatment

### Other means of identification

**Product Code(s)** 42025  
**UN number** UN1866

### Recommended use of the chemical and restrictions on use

**Recommended use** Restricted to professional users.  
**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

PROSOCO, Inc.  
3741 Greenway Circle  
Lawrence, Kansas 66046

#### **Emergency telephone number**

**8:00 AM – 5:00 PM CST Monday-Friday** 785-865-4200  
**NON-BUSINESS HOURS (INFOTRAC)** 800-535-5053

## 2. HAZARDS IDENTIFICATION

### Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 3

### Label elements

#### Emergency Overview

**Danger**

#### **Hazard statements**

Harmful if inhaled  
Causes skin irritation  
Causes serious eye irritation  
May damage fertility or the unborn child  
May cause respiratory irritation  
Flammable liquid and vapor



**Appearance** clear**Physical state** Liquid**Odor** Alcohol**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear eye/face protection  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting/ and other /equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Keep cool

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 If skin irritation occurs: Get medical advice/attention  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other information**

- May be harmful if swallowed
- 20% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No.	Weight-%	Trade Secret
Isobutyl triethoxysilane	17980-47-1	30 - 60	*
Ethyl Silicate	78-10-4	10 - 30	*
Dibutyltin Dilaurate	77-58-7	0.1 - 1	*

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

**4. FIRST AID MEASURES****Description of first aid measures****General advice**

In case of accident or unwellness, seek medical advice (show directions for use or safety data sheet if possible).

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with plenty of water. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Drink plenty of water. Call a physician or poison control center immediately.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Use personal protective equipment as required.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Harmful if inhaled. Causes serious eye irritation. Causes skin irritation. Respiratory irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use. Dry chemical. Carbon dioxide (CO2). Water spray (fog). Alcohol resistant foam.

**Unsuitable Extinguishing Media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

**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** Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges.

**Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Use clean non-sparking tools to collect absorbed material. Take precautionary measures against static discharges.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Advice on safe handling**

Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use personal protective equipment as required. Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep in properly labeled containers. Keep away from heat. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

**Incompatible materials**

Incompatible with oxidizing agents. Acids. Bases. Water.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Silicate 78-10-4	TWA: 10 ppm	TWA: 100 ppm TWA: 850 mg/m <sup>3</sup> (vacated) TWA: 10 ppm (vacated) TWA: 85 mg/m <sup>3</sup>	IDLH: 700 ppm TWA: 10 ppm TWA: 85 mg/m <sup>3</sup>
Dibutyltin Dilaurate 77-58-7	STEL: 0.2 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> Sn S*	TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) S*	IDLH: 25 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> except Cyhexatin Sn

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other information**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls****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).

**Skin and body protection**

Wear protective gloves and protective clothing.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations**

When using do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties****Physical state**

Liquid

<b>Appearance</b>	clear	<b>Odor</b>	Alcohol
<b>Color</b>	colorless or Slight yellow	<b>Odor threshold</b>	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	Not Applicable	Not Applicable	
Melting point / freezing point °F	-30 °C / -22 °F		
Boiling point / boiling range	No information available		
Flash point	43 °C / 109 °F	ASTM D 5095	
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	No information available		
Vapor density	No information available		
Specific gravity	0.936		
Water solubility	negligible		
Solubility in other solvents	No information available		
Partition coefficient	No information available		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available		

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible materials

Incompatible with oxidizing agents. Acids. Bases. Water.

### Hazardous decomposition products

Carbon oxides. silicon dioxide. Hydrocarbons. Ethanol.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	No data available
<b>Inhalation</b>	Avoid breathing vapors or mists. Harmful by inhalation. May cause irritation of respiratory tract.
<b>Eye contact</b>	Avoid contact with eyes. Severely irritating to eyes.
<b>Skin Contact</b>	Avoid contact with skin. Causes skin irritation.
<b>Ingestion</b>	Do not taste or swallow.

**Component Information**

Chemical name	LD50/Oral	LD50/Dermal	Inhalation LC50
Isobutyl triethoxysilane 17980-47-1	> 5000 mg/kg ( Rat )		> 13750 mg/m <sup>3</sup> ( Rat ) 4 h
Ethyl Silicate 78-10-4	= 6270 mg/kg ( Rat )	= 5878 mg/kg ( Rabbit )	< 1837 ppm ( Rat ) 4 h
Dibutyltin Dilaurate 77-58-7	= 45 mg/kg ( Rat )	= 630 mg/kg ( Rabbit )	

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Harmful if inhaled. Causes serious eye irritation. May cause respiratory irritation. Causes skin irritation.

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

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.  
**Reproductive toxicity** May damage fertility or the unborn child.  
**STOT - single exposure** May cause respiratory irritation.  
**STOT - repeated exposure** No information available.  
**Target organ effects** Respiratory system.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 20% of the mixture consists of ingredient(s) of unknown toxicity

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

**ATEmix (oral)** 2595 mg/kg  
**ATEmix (dermal)** 17922 mg/kg mg/l  
**ATEmix (inhalation-dust/mist)** 3.6 mg/l  
**ATEmix (inhalation-vapor)** 47.7 mg/l

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Isobutyl triethoxysilane 17980-47-1	-	85: 96 h Oncorhynchus mykiss mg/L LC50 semi-static	-	-
Ethyl Silicate 78-10-4	-	245: 96 h Danio rerio mg/L LC50 semi-static	-	-

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.  
 US EPA Waste Number D001

#### 14. TRANSPORT INFORMATION

**DOT** Non-Hazardous/Non-Regulated (Under 119 Gallons per container) by ground transportation  
**UN number** UN1866  
**UN proper shipping name** Resin Solution  
**Transport hazard class(es)** 3  
**Packing group** III

**IATA**  
**UN number** UN1866  
**UN proper shipping name** Resin Solution  
**Transport hazard class(es)** 3  
**Packing group** III

**IMDG**  
**UN number** UN1866  
**UN proper shipping name** Resin Solution  
**Transport hazard class(es)** 3  
**Packing group** III

#### 15. REGULATORY INFORMATION

##### International Inventories

**TSCA** Complies  
**DSL/NDSL** Complies

##### Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

##### 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

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	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**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Ethyl Silicate 78-10-4	X	X	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health hazards 2	Flammability 2	Instability 0	Physical and chemical properties -
<b><u>HMIS</u></b>	Health hazards 2	Flammability 2	Physical hazards 0	Personal protection X

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Revision Note  
 SDS sections updated 4 6 7 11

**Disclaimer**

The information contained on the Safety Data Sheet has been compiled from data considered accurate. This data is believed to be reliable, but it must be pointed out that values for certain properties are known to vary from source to source. PROSOCO, Inc. expressly disclaims any warranty express or implied as well as any liability for any injury or loss arising from the use of this information or the materials described. This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his unique application. This data relates only to the specific material designated and is not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize himself with all applicable regulations.

**End of Safety Data Sheet**