

## 1. Identification

**Product identifier** BENTOSEAL®  
**Other means of identification** Not available.  
**Recommended use** construction  
**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Company name** CETCO, an MTI Company  
**Address** 2870 Forbs Avenue  
 Hoffman Estates, IL 60192  
 United States  
**Telephone** General Information 800 527-9948  
**Website** <http://www.cetco.com/>  
**E-mail** [safety.data@amcol.com](mailto:safety.data@amcol.com)  
**Emergency phone number** .

**Americas** 1.866.519.4752 (US, Canada, Mexico) 1 760 476 3962

## 2. Hazard(s) identification

**Physical hazards** Not classified.  
**Health hazards** Carcinogenicity Category 1B  
 Aspiration hazard Category 1  
**Environmental hazards** Not classified.  
**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Danger  
**Hazard statement** May be fatal if swallowed and enters airways. May cause cancer.  
**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.  
**Response** If swallowed: Immediately call a poison center/doctor/. If exposed or concerned: Get medical advice/attention. Do NOT induce vomiting.  
**Storage** Store away from incompatible materials.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Hazard(s) not otherwise classified (HNOC)** None known.  
**Supplemental information** Not applicable.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Distillates, petroleum, hydrotreated light paraffinic		64742-55-8	10 - < 20
STODDARD SOLVENT		8052-41-3	10 - < 20
TALC		14807-96-6	5 - < 10
FUMED SILICA		112945-52-5	1 - < 3
Other components below reportable levels			50 - < 60

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

<b>Inhalation</b>	If the affected person is not breathing, apply artificial respiration. Oxygen or artificial respiration if needed. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.
<b>Skin contact</b>	Immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops or persists. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. Aspiration may cause pulmonary edema and pneumonitis.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ). CO <sub>2</sub> , dry chemical, dry sand, alcohol-resistant foam. Use water to cool fire-exposed containers and to protect personnel. Water may be an ineffective extinguishing medium.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus. Wear suitable protective equipment. Material can be slippery when wet.
<b>Fire-fighting equipment/instructions</b>	In the event of fire, cool tanks with water spray.
<b>Specific methods</b>	Move containers from fire area if you can do so without risk.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted. Flammable

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Ventilate closed spaces before entering. In case of spills, beware of slippery floors and surfaces. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). This product is miscible in water. Prevent entry into waterways, sewers, basements or confined areas. Stop leak if you can do so without risk. Use clean non-sparking tools to collect absorbed material. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Following product recovery, flush area with water. Wipe up with absorbent material (e.g. cloth, fleece). For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground. Do not flush into surface water or sanitary sewer system.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from sources of ignition - No smoking. All equipment used when handling the product must be grounded. Wash hands after handling and before eating. Avoid prolonged exposure. In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store locked up. Keep away from heat, sparks, and flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep this material away from food, drink and animal feed. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
STODDARD SOLVENT (CAS 8052-41-3)	PEL	2900 mg/m <sup>3</sup>

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
		500 ppm

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

Components	Type	Value	Form
TALC (CAS 14807-96-6)	TWA	0.3 mg/m3 0.1 mg/m3 20 mppcf 2.4 mppcf	Total dust. Respirable.  Respirable.

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
STODDARD SOLVENT (CAS 8052-41-3)	TWA	100 ppm	
TALC (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
STODDARD SOLVENT (CAS 8052-41-3)	Ceiling	1800 mg/m3	
	TWA	350 mg/m3	
TALC (CAS 14807-96-6)	TWA	2 mg/m3	Respirable.

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**

Some of the components of this product are hazardous in the respirable form. However, because of the physical nature of this product, dust generation is not expected.

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Use personal protective equipment as required. Wear safety glasses; chemical goggles (if splashing is possible).

**Hand protection**

Use personal protective equipment as required.

**Other**

Use personal protective equipment as required. Impervious gloves should be used at all times when handling this product. If splashes are likely to occur, wear: solvent-resistant apron and boots

**Respiratory protection**

Use personal protective equipment as required. If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Do not get this material in your eyes, on your skin, or on your clothing. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse. Use good industrial hygiene practices in handling this material. Eye wash fountain and emergency showers are recommended.

**9. Physical and chemical properties**

<b>Appearance</b>	Paste.
<b>Physical state</b>	Solid.
<b>Form</b>	Moist Solid.
<b>Color</b>	Brown to grey.
<b>Odor</b>	Solvent.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	-94 °F (-70 °C) estimated
<b>Initial boiling point and boiling range</b>	352 °F (177.78 °C)
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	> 1.1 %

<b>Flammability limit - upper (%)</b>	< 6
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Fully Miscible %
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	1.19 g/cm <sup>3</sup> estimated
<b>Percent volatile</b>	25 %
<b>Specific gravity</b>	1.19 estimated 1.28
<b>VOC (Weight %)</b>	> 75 %

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	Will not occur. Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents. Do not mix with other chemicals.
<b>Hazardous decomposition products</b>	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	May be fatal if swallowed and enters airways.
<b>Inhalation</b>	May be fatal if swallowed and enters airways. Prolonged inhalation may be harmful.
<b>Skin contact</b>	Not available.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways.

Components	Species	Test Results
FUMED SILICA (CAS 112945-52-5)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	3160 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.  
**Serious eye damage/eye irritation** Mild irritant to eyes (according to the modified Kay & Calandra criteria)

### Respiratory or skin sensitization

**Respiratory sensitization** Not available.  
**Skin sensitization** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

<b>Carcinogenicity</b>	May cause cancer.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Chronic effects</b>	Prolonged inhalation may be harmful. Some of the components of this product are hazardous in the respirable form. However, because of the physical nature of this product, dust generation is not expected. Overexposure to dusts may result in pneumoconiosis, which can lead to fibrotic changes in the lung tissue, or silicosis, a respiratory disease caused by inhalation of crystalline silica dust, which can lead to inflammation and fibrosis of the lung tissue.

## 12. Ecological information

<b>Ecotoxicity</b>	In high concentrations, this product may be dangerous to aquatic life and fouling to shorelines.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	No data available.
<b>Partition coefficient n-octanol / water (log Kow)</b>	
STODDARD SOLVENT	3.16 - 7.15
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

<b>Disposal instructions</b>	This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.

## 15. Regulatory information

<b>US federal regulations</b>	OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119. This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not listed.
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not listed.
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>	
<b>Hazard categories</b>	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** Yes  
**SARA 311/312 Hazardous chemical** Yes  
**SARA 313 (TRI reporting)**  
 Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**  
 Not regulated.  
**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**  
 Not regulated.  
**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

STODDARD SOLVENT (CAS 8052-41-3)  
 TALC (CAS 14807-96-6)

**US. Massachusetts RTK - Substance List**

Distillates, petroleum, hydrotreated light paraffinic (CAS 64742-55-8)  
 STODDARD SOLVENT (CAS 8052-41-3)  
 TALC (CAS 14807-96-6)

**US. New Jersey Worker and Community Right-to-Know Act**

Not regulated.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
 A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

**Issue date** 22-October-2014  
**Revision date** 22-October-2014  
**Version #** 14  
**Further information** This safety datasheet only contains information relating to safety and does not replace any product information or product specification.  
**HMIS® ratings** Health: 2\*  
 Flammability: 1  
 Physical hazard: 0  
 Personal protection: B  
**NFPA ratings** Health: 2  
 Flammability: 1  
 Instability: 0

**Disclaimer**

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 manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

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**Revision Information**

Product and Company Identification: Product and Company Identification  
Composition / Information on Ingredients: Ingredients  
Physical & Chemical Properties: Multiple Properties  
Transport Information: Proper Shipping Name/Packing Group  
HazReg Data: International Inventories  
GHS: Classification