



# SAFETY DATA SHEET

## ChemConx BTMS 25

### 1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: ChemConx BTMS 25  
 Synonyms: BTMS 25%  
 BTMS 25 Emulsifier

Recommended Use: Raw materials for personal use

Distributor: Chemistry Connection  
 253 Sturgis Rd Conway, AR 72034  
 (501) 470-9689

Emergency Contact: Chemtrec: 800-424-9300

### 2. HAZARD IDENTIFICATION

**GHS Classification** Skin corrosion/irritation – Category 2  
 Eye damage/irritation – Category 2B  
 Chronic (long-term) aquatic hazard - Category 3

**Symbol**



**Signal Word** Warning

**Hazard Statement**

**H315** Causes mild skin irritation  
**H320** Causes eye irritation  
**H412** Harmful to aquatic life with long lasting effects.

**Precautionary Statement**

**Prevention:**

**P264** Wash thoroughly after handling  
**P273** Avoid release to the environment.  
**P280** Wear protective gloves/protective clothing /eye protection/face protection

**Response:**

- P302+P352** IF ON SKIN : Gently wash with plenty of soap and water.  
**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P332+P313** If skin irritation occurs: Get medical advice/attention.  
**P337+P313** If eye irritation persists: Get medical advice/attention.  
**P362** Take off contaminated clothing and wash before reuse.

**Storage:**

- P404** Store in a closed container

**Disposal:**

- P501** Dispose of contents/container in accordance with local/ regional /national/international regulations (to be specified).

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI NAME	CAS NO.	CONCENTRATION (%)
C18-22 Trimethyl ammonium Methosulfate	81646-13-1	20 – 30
Hexadecanol	36653-82-4	45 – 55
Octadecanol	112-92-5	20 – 30

### 4. FIRST AID MEASURES

- Eye Contact** Flush eyes with running water for at least 15 minutes. If needed, call a physician.
- Skin Contact** Flush skin with running water for at least 15 minutes. Remove and isolate contaminated clothing and shoes. Wash and dry contaminated clothing and shoes before reuse thoroughly. If symptoms persist, seek medical attention.
- Inhalation** Move victim to fresh air. Give artificial respiration if breathing has stopped. If needed, call a physician.
- Swallowing** Seek medical attention if needed. Never give anything by mouth to an unconscious person.
- Notes to Physician** Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves.

**Important symptoms and effects, both acute and delayed**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Carbon dioxide, water fog or spray

**Unsuitable Extinguishing Media** -

**Hazardous Combustion Products** Hydrogen chloride, Nitrogen oxides (NO<sub>x</sub>)

### Protection to firefighters

**Special Hazards** Toxic fumes when combustion or in high temperatures occurs.

**Protective Equipment** Firefighters should wear self-contained breathing apparatus (SCBA).  
  
Structural firefighter's protective clothing will only provide limited protection.

**General Fire Hazards** Water or foam may cause frothing which can be violent and possibly endanger the life of the fire fighter.  
  
Water may be used to keep fire-exposed containers cool until fire is out.  
  
Wear a self-contained breathing apparatus with a full face piece in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

No danger almost exists as adding agent of detergents.

Wash off in clean water.

Use approved dust mask if dust levels are irritating.

**Environmental Precautions** Atmosphere : Use with adequate ventilation.

Land : Collect the spill for later disposal.

Underwater : Prevent entry into waterway and sewers.

**Methods for Clean-up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Collect as much as possible in a clean container for (preferable) reuse or disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

**Safe Handling**

Avoid breathing dusts.

Wash off in water after treatment.

Use with adequate ventilation.

Avoid contact with eyes, skin, and clothing.

Since emptied containers retain product residues, all hazard precautions given in the data sheet must be observed.

**Safe Storage**

Normal temperature and normal pressure.

Keep container closed tightly when not in use.

Avoid prolonged exposure to heat and air.

Empty container contains residual product which may exhibit hazards of product.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Engineering Controls**

Provide adequate ventilation.

**Exposure Limits**

None established by OSHA, ACGIH

**Personal Protective Equipment****Respiratory Protection**

None required under normal handling conditions. Use approved dust mask if dust levels are irritating.

**Eyes**

Wear safety goggles with side shields. Protect against dust and particulates.

**Skin**

Wear chemically resistant gloves.

**Clothing**

Wear chemically resistant lab coat.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid (at 25°C)
Color	No data
Odor / Odor threshold	No data
pH	5 – 7 (2% in H <sub>2</sub> O/IPA 1:1)
Melting point	Not applicable
Initial boiling point and Boiling range:	Not applicable
Flashpoint	No data
Evaporation rate	>1
Flammability (solid, gas)	No data
Upper/lower flammability or explosive limits	No data
Vapor pressure	Not applicable
Solubility	Insoluble in water
Vapor density	>1 (Air=1)
Relative Density	0.87 at 70°C (water=1)
Partition coefficient ( n-octanol/water )	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Viscosity	No data
Molecular weight	No data

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal temperature and pressure
<b>Conditions to avoid</b>	Stable under recommended storage and handling conditions. Contact with moisture and/or water.
<b>Incompatible Materials</b>	Oxidizing agents
<b>Hazardous Decomposition Product</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity (Oral)</b>	Not classified (The acute oral toxicity of 20-30% of the mixture is unknown.) <u>Hexadecanol</u> Rat LD <sub>50</sub> =5,000 mg/kg (NLM:HSDB) (IUCLID) <u>Octadecanol</u> Rat LD <sub>50</sub> >5000 mg.kg OECD 401 GLP (IUCLID)
<b>Acute toxicity (Dermal)</b>	Not classified (The acute dermal toxicity of 60-75% of the mixture is unknown.) <u>Hexadecanol</u> Rabbit LD <sub>50</sub> >5,000 mg/kg bw (IUCLID) Guinea pig LD <sub>50</sub> <10,000 mg/kg (NLM:HSDB)

<b>Acute toxicity (inhalation)</b>	No data
<b>Skin corrosion/irritation</b>	<u>Hexadecanol</u> rabbit, rat –irritating (IUCLID) <u>Octadecanol</u> Rabbit, slightly irritating (IUCLID)
<b>Serious eye damage/eye irritation</b>	<u>Hexadecanol</u> rabbit-slightly irritating (IUCLID) <u>Octadecanol</u> Rabbit, slightly irritating ; Draze test (IUCLID)
<b>Respiratory sensitization</b>	No data
<b>Skin sensitization</b>	<u>Hexadecanol</u> Guinea pig maximization test : not sensitizing (IUCLID) <u>Octadecanol</u> Guinea pig maximization test : not sensitizing (IUCLID)
<b>Carcinogenicity</b>	No data
<b>Germ cell mutagenicity</b>	<u>Hexadecanol</u> In Vitro: Salmonella typhimurium TA 98, TA 100, TA 1535, TA 1537, TA 1538 - negative (IUCLID) <u>Octadecanol</u> In vivo, mouse, micronucleus assay : negative (IUCLID)
<b>Reproductive toxicity</b>	<u>Octadecanol</u> Rat, oral NOAEL (Parental, F1)>2000 mg/kg bw GLP (IUCLID)
<b>Specific target organ Toxicity (Single exposure)</b>	No data
<b>Specific target organ Toxicity (Repeated exposure)</b>	<u>Hexadecanol</u> rat(m/f) oral feed 13 weeks NOAEL<1000 mg/kg (IUCLID) <u>Octadecanol</u> Rat oral feed 28 days NOAEL>1000 mg/kg GLP (IUCLID)
<b>Aspiration</b>	No data

The toxicity data of C18-22 Trimethyl ammonium methosulfate (20-30% of this product) is not found.

## 12. ECOLOGICAL INFORMATION

<b>Toxicity</b>	<u>Hexadecanol</u> Algae, <i>Scenedesmus subspicatus</i> 72hr EC50=676 mg/L (ECOTOX) <u>Octadecanol</u> Fish: <i>Brachydanio rerio</i> 96hr LC50>10000 mg/L (IUCLID), <i>Oncorhynchus mykiss</i> 96hr LC50=1000 mg/L (ECOTOX) <i>Daphnia magna</i> 48hr EC50=1666 mg/L, 21d NOEC=0.98 mg/L GLP (IUCLID) Algae <i>Scenedesmus subspicatus</i> 96hr EC50=235 mg/L GLP (IUCLID)
<b>Persistence and degradability</b>	<u>Hexadecanol</u> - Ready biodegradability MITI-I (OECD TG 301C) (CHRIP) <u>Octadecanol</u> – 67%/28days GLP (IUCLID)
<b>Bioaccumulative potential</b>	<u>Octadecanol</u> BCF=28000 (HSDB)
<b>Mobility in soil</b>	No data
<b>Other adverse effects</b>	No data

## 13. DISPOSAL CONSIDERATIONS

Incinerate or landfill waste in a properly permitted facility in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

<b>UN Number</b>	N/A
<b>Proper Shipping Name</b>	N/A
<b>Transport hazard class</b>	N/A
<b>Packing group, if applicable</b>	N/A
<b>Environmental hazards</b>	N/A
<b>Special Precautions for User</b>	N/A

## 15. REGULATORY INFORMATION

### EU Regulation

Directive 67/548/EEC: Not regulated

CLP regulation (EC) No 1272/2008: Not regulated

HPV Chemical: Not regulated

### US Regulation

OSHA Regulation (Standard-29 CFR) 1910.119 : Not regulated

CERCLA SARA Title III Section 313: Not regulated

CERCLA Reportable Quantities: Not regulated

CERCLA SARA Title III Section 304: Not regulated

CERCLA SARA Title III Section 302: Not regulated

Toxic Substance Control Act (TSCA) Inventory: Hexadecanol & Octadecanol are registered

### International Regulation

International Council of Chemical Associations (ICCA) HPV Chemicals Programme  
Hexadecanol - regulated

OECD/High Production Volume (HPV) Chemicals Programme :  
Hexadecanol - regulated

Rotterdam Convention: Not regulated

Stockholm Convention on Persistent Organic Pollutants (POPs):  
Not regulated

Montreal Protocol: Not regulated

## 16. OTHER INFORMATION

**All statements, technical information and recommendations contained herein are based on tests and data which Chemistry Connection believes to be currently reliable, but this accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under or a recommendation to practice or infringe any patent of this company or others covering any process, composition of matter or use. Since we shall have no control of the use of the product described here in, we assume no Liability for loss or damage incurred from the proper or improper use of such product.**