



# SAFETY DATA SHEET

Issuing date 10-April-2015

Version 1

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

### 1.1 Product identifier

Product Code(s) T173B  
Product name DSC BIO BASE SURFACTANT

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use Oilfield Chemical  
Uses advised against No information available

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

#### Supplier

Deep South Chemical, Inc.  
229 Millstone Road  
Broussard, LA 70518  
337-837-9931  
[www.deep-south-chemical.com](http://www.deep-south-chemical.com)

Emergency telephone Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

### 2.2

Serious eye damage/eye irritation	Category 2
-----------------------------------	------------

Classification according to EU Directives 67/548/EEC or 1999/45/EC  
For the full text of the R-phrases mentioned in this Section, see Section 16

### Symbol(s)

Not dangerous

### 2.3 Label Elements



### Signal Word

Warning

### Hazard Statements

## DSC BIO BASE SURFACTANT

H319 - Causes serious eye irritation

### 2.4 Other information

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Chemical Name	EC-No	CAS-No	Weight %	Classification (67/548)	Classification (Reg. 1272/2008)	REACH Registration Number
Ethoxylated alcohol	Not Listed	-	60-100	-		No data available

For the full text of the R-phrases mentioned in this Section, see Section 16

## 4. FIRST AID MEASURES

### 4.1 Description of first-aid measures

#### General advice

Immediate medical attention is required. Show this material safety data sheet to the doctor in attendance. If symptoms persist, call a physician.

#### Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

#### Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

#### Ingestion

Call a physician or Poison Control Center immediately. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.

#### Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.

#### Protection of First-aiders

Remove all sources of ignition. Use personal protective equipment.

### 4.2 Most important symptoms and effects, both acute and delayed

### 4.3 Indication of any immediate medical attention and special treatment needed.

#### Notes to physician

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable Extinguishing Media

CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam.

#### Extinguishing media which shall not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

### 5.2 Special hazards arising from the substance or mixture

#### Special Hazard

None in particular.

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters

## DSC BIO BASE SURFACTANT

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment.

See Section 12 for additional Ecological information. Material can create slippery conditions.

#### 6.2 Environmental precautions

Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

#### 6.3 Methods and materials for containment and cleaning up

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

Clean up promptly by sweeping or vacuum. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Do not flush into surface water or sanitary sewer system.

### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Do not breathe vapors or spray mist. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. When using, do not eat, drink or smoke.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

#### 7.3 Specific end uses

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

**Exposure Guidelines** Contains no substances with occupational exposure limit values

**Exposure limits** Contains no substances with occupational exposure limit values

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

#### 8.2 Exposure controls

**Engineering Measures** Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Personal protective equipment**

**Eye Protection** Safety glasses with side-shields. Goggles.

**Hand Protection** Impervious gloves. Nitrile rubber.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene measures** When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

**Environmental Exposure Controls** Do not allow material to contaminate ground water system.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

## DSC BIO BASE SURFACTANT

### 9.1 Information on basic physical and chemical properties

Physical State	Viscous liquid, paste	Appearance	clear - cloudy
Odor	Fatty odor	Color	colorless - light yellow

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH		No data available
Freezing Point	4-20 °C / 39-68 °F	13°C/55°F Pour point
Boiling point/boiling range		No data available
Flash Point	> 93.3 °C / > 200 °F	Closed cup
Evaporation rate		No data available
Flammability (solid, gas)		No data available
Flammability Limits in Air		No data available
upper flammability limit		
lower flammability limit		
Vapor pressure		No data available
Vapor density		No data available
Relative density	0.99	
Water solubility	Soluble in water	
Solubility in other solvents		No data available
Partition coefficient: n-octanol/water		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity, kinematic		No data available
Explosive properties	No data available	
Oxidizing Properties	No data available	
Softening point		
Molecular Weight		
VOC Content	No data available	
Density    Bulk Density	8.2 lb/gal	

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerization does not occur.

### 10.4 Conditions to Avoid

Heat, flames and sparks.

### 10.5 Incompatible Materials

Strong acids. Copper. Oxidizing agents.

### 10.6 Hazardous Decomposition Products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Product Information

#### Inhalation

Harmful by inhalation. May cause irritation of respiratory tract. Vapors may be irritating to eyes, nose, throat, and lungs.

#### Eye contact

Irritating to eyes. Severely irritating to eyes.

## DSC BIO BASE SURFACTANT

---

**Skin contact** Irritating to skin. Repeated exposure may cause skin dryness or cracking.

**Ingestion** Harmful if swallowed.

### Chronic toxicity

**Carcinogenicity** Contains no ingredient listed as a carcinogen >0.1%  
- California - Proposition 65 - Carcinogens List

**Sensitization** No information available

**Reproductive toxicity** No information available

**Mutagenic effects** No information available

**Developmental Toxicity** No information available

**Teratogenicity** No information available

**Target Organ Effects** No information available.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Ecotoxicity effects** . The environmental impact of this product has not been fully investigated.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available

### 12.6 Other adverse effects

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Waste from Residues / Unused Products**

Dispose of in accordance with local regulations.

**Contaminated packaging**

Do not re-use empty containers.

**EWC Waste Disposal No:**

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used

## 14. TRANSPORT INFORMATION

**DOT**

Not regulated

**IMDG/IMO**

Not regulated

ICAO/IATA

Not regulated

**15. REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**International Inventories**

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	-
ENCS	-
IECSC	-
AICS	-
KECL	-

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
AICS - Australian Inventory of Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances

**15.2 Chemical Safety Assessment**

**U.S. 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**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**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.

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

<b>NFPA</b>	Health Hazard 2	Flammability 1	Stability 0	Physical and chemical hazards -
	<b>HMIS</b>	Health Hazard 2	Flammability 1	Physical Hazard 0

Personal protection - .



Full text of R-phrases referred to under sections 2 and 3

Full text of H-Statements referred to under sections 2 and 3

H319 - Causes serious eye irritation

Prepared By HSE Department

Issuing date 21-Jan-2014

Revision Date 08-Apr-2015

Revision Note Not Applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

US Only: This safety data sheet complies with the requirements of the OSHA Hazard Communication Standard 29CFR 1910.1200.

**Disclaimer**

While the information and data contained herein are presented in good faith and believed to be reliable, nothing herein shall be deemed to constitute a warranty, express or implied, that the information or data is reliable, accurate, or complete or that the products described herein are merchantable or fit for a particular purpose or that said information, data, or products can be used without infringing the intellectual property rights of third parties. Individuals who receive the products or the information or data relating to the products described herein, must use their own judgement in determining fitness for a particular purpose. Unless otherwise stated, the information or data contained herein relates to the products when not used in conjunction with any other products or materials. Deep South Chemical, Inc. disclaim all express and implied warranties of merchantability, fitness for a particular purpose, and non-infringement. DSC shall not be liable for any loss or damage that may occur from the use of the products described herein, including the use of the products in conjunction with other products or materials, or reliance on the data or information described herein.