

## Cement Retarder Liquid

Version 1.1

Date 04-30-2015

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

#### Product information

Trade name : Cement Retarder Liquid

Use : Cement Additive

Company : Deep South Chemical, Inc.  
229 Millstone Road  
Broussard, LA 70518

#### Emergency telephone:

**Health:**  
337-837-9931 (North America)

**Transport:**  
North America: CHEMTREC 800.424.9300 or 703.527.3887

Responsible Department : Product Safety and Toxicology Group  
E-mail address : INFO@DEEP-SOUTH-CHEMICAL.COM  
Website : www.deep-south-chemical.com

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

**Physical state:** Liquid      **Color:** Brown      **Odor:** Slight  
OSHA Hazards : This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

#### GHS Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

#### GHS-Labeling

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

#### Carcinogenicity:

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**ACGIH** No ingredient of this product present at levels greater than or

**Cement Retarder Liquid**

Version 1.1

Date 4-30-2015

equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Synonyms : Dispersant

Contains no hazardous ingredients according to GHS.

**4. FIRST AID MEASURES**

General advice : Consult a physician.

If inhaled : Oxygen or artificial respiration if needed. Remove person to fresh air. If signs/symptoms continue, get medical attention.

In case of skin contact : If on skin, rinse well with water. Remove contaminated clothing. If irritation develops, get medical attention.

In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

If swallowed : If swallowed, DO NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**5. FIRE-FIGHTING MEASURES**

Flash point : Not applicable

Autoignition temperature : No data available

Specific hazards during fire fighting : Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Hazardous decomposition products : Carbon oxides. Sulfur oxides.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions : Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions.

Environmental precautions : Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up : Keep in suitable, closed containers for disposal. Clean

**Cement Retarder Liquid**

Version 1.1

Date 4-30-2015

contaminated floors and objects thoroughly while observing environmental regulations.

**7. HANDLING AND STORAGE****Handling**

Advice on safe handling : For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

**Storage****8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Personal protective equipment**

Eye protection : Safety glasses. Ensure that eyewash stations and safety showers are close to the workstation location.

Hygiene measures : Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

Protective measures : Wear suitable protective equipment. When using do not eat, drink or smoke.

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

Physical state : Liquid

Color : Brown

Odor : Slight

**Safety data**

Flash point : Not applicable

Lower explosion limit : Not applicable

Upper explosion limit : Not applicable

Oxidizing properties : No

Autoignition temperature : No data available

pH : 7.4 - 7.8

Freezing point : No data available

Boiling point/boiling range : 104 °C (219 °F)

**Cement Retarder Liquid**

Version 1.1

Date 4-30-2015

Vapor pressure	: 14.20 MMHG at 20 °C (68 °F)
Relative density	: 1.259, 25 °C(77 °F)
Water solubility	: Completely Soluble
Viscosity, kinematic	: No data available
Relative vapor density	: No data available
Evaporation rate	: No data available
Percent volatile	: 5%

**10. STABILITY AND REACTIVITY****Possibility of hazardous reactions**

Conditions to avoid	: No data available.
Materials to avoid	: Avoid oxidizing agents.
Other data	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**11. TOXICOLOGICAL INFORMATION****CEMENT RETARDER LIQUID**

**Acute oral toxicity** : LD50: 40,000 mg/kg  
Species: rat

**CEMENT RETARDER LIQUID**

**Aspiration toxicity** : No aspiration toxicity classification.

**12. ECOLOGICAL INFORMATION****Elimination information (persistence and degradability)**

**Biodegradability** : Expected to be ultimately biodegradable

**Further information on ecology**

**Additional ecological information** : This material is not expected to be harmful to aquatic organisms.

**13. DISPOSAL CONSIDERATIONS**

The information in this MSDS pertains only to the product as shipped.

**Cement Retarder Liquid**

Version 1.1

Date 4-30-2015

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product : Dispose of wastes in an approved waste disposal facility.

**14. TRANSPORT INFORMATION**

**The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).**

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the MSDS and the bill of lading.

**US DOT (United States Department of Transportation)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**IMO / IMDG (International Maritime Dangerous Goods)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**IATA (International Air Transport Association)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**ADR (Agreement on Dangerous Goods by Road (Europe))**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**RID (Regulations concerning the International Transport of Dangerous Goods (Europe))**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**ADN (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

**Cement Retarder Liquid**

Version 1.1

Date 4-30-2015

**15. REGULATORY INFORMATION****National legislation**

**SARA 311/312 Hazards** : No SARA Hazards

**EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW**

**CERCLA Reportable Quantity** : This material does not contain any components with a CERCLA RQ.

**SARA 302 Reportable Quantity** : This material does not contain any components with a SARA 302 RQ.

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

**SARA 304 Reportable Quantity** : This material does not contain any components with a section 304 EHS RQ.

**SARA 313 Ingredients** : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

**Ozone-Depletion Potential** : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

**California Prop. 65 Ingredients** : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**Notification status**

Europe REACH : A substance or substances in this product is not registered or notified to be registered. Importation or manufacture of this product is still permitted provided that it does not exceed the REACH minimum threshold quantity of the non-regulated substances.

United States of America US.TSCA : On the inventory, or in compliance with the inventory

Canada DSL : On the inventory, or in compliance with the inventory

Australia AICS : On the inventory, or in compliance with the inventory

New Zealand NZIoC : On the inventory, or in compliance with the inventory

Japan ENCS : On the inventory, or in compliance with the inventory

Korea KECI : On the inventory, or in compliance with the inventory

Philippines PICCS : On the inventory, or in compliance with the inventory

China IECSC : On the inventory, or in compliance with the inventory

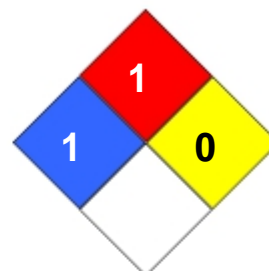
**Cement Retarder Liquid**

Version 1.1

Date 4-30-2015

**16. OTHER INFORMATION**

**NFPA Classification** : Health Hazard: 1  
Fire Hazard: 1  
Reactivity Hazard: 0



Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this MSDS pertains only to the product as shipped.

The information provided in this Material 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 information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical	TWA	Time Weighted Average

**Cement Retarder Liquid**

Version 1.1

Date 04-30-2015

	Substances in China		
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		