

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**
**1.1. Product identifier**

Product form : Mixtures  
 Product name : CW511-SR  
 Product code : 051100

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

Use of the substance/mixture : Scale and Corrosion Inhibitor

**1.3. Details of the supplier of the safety data sheet**

Dober Chemical Corp  
 11230 Katherine's Crossing  
 Suite 100  
 Woodridge, IL 60517 - US  
 T 630-410-7300 - F 630-410-7444  
[regulatory@dober.com](mailto:regulatory@dober.com) - [www.dober.com](http://www.dober.com)

**1.4. Emergency telephone number**

Emergency number : 1-800-255-3924 / 1-813-248-0585  
 ChemTel

**SECTION 2: Hazards identification**
**2.1. Classification of the substance or mixture**
**GHS US classification**

Acute Tox. 4 (Oral) H302  
 Skin Irrit. 2 H315  
 Eye Irrit. 2 H319

Full text of H statements : see section 16

**2.2. Label elements**
**GHS US labeling**

Hazard pictograms (GHS US) :



GHS07

Signal word (GHS US) : Warning

Hazard statements (GHS US) : H302 - Harmful if swallowed  
 H315 - Causes skin irritation  
 H319 - Causes serious eye irritation

Precautionary statements (GHS US) : P264 - Wash hands, forearms and face thoroughly after handling.  
 P270 - Do not eat, drink or smoke when using this product.  
 P280 - Wear protective gloves, protective clothing, eye protection.  
 P301+P312 - If swallowed: Call a doctor if you feel unwell  
 P302+P352 - If on skin: 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  
 P330 - Rinse mouth.  
 P332+P313 - If skin irritation occurs: Get medical advice/attention.  
 P337+P313 - If eye irritation persists: Get medical advice/attention.  
 P362+P364 - Take off contaminated clothing and wash it before reuse.  
 P501 - Dispose in a safe manner in accordance with local/national regulations

**2.3. Other hazards**

No additional information available

**2.4. Unknown acute toxicity (GHS US)**

31.13% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
 77.23% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

# CW511-SR

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Carboxylate Sulfonate Nonionic Functional Terpolymer	(CAS-No.) 40623-75-4	10 - 30	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319
HEDP, Tetrasodium salt	(CAS-No.) 3794-83-0	10 - 30	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Benzotriazole	(CAS-No.) 95-14-7	10 - 30	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Aquatic Acute 3, H402

Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person.
- First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

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

- Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

# CW511-SR

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

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

Storage conditions : Keep only in the original container in a cool, well-ventilated place. Keep container closed when not in use.  
Incompatible products : Strong bases. Strong acids.  
Incompatible materials : Direct sunlight.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

CW511-SR	
ACGIH	Not applicable
OSHA	Not applicable
Benzotriazole (95-14-7)	
ACGIH	Not applicable
OSHA	Not applicable
HEDP, Tetrasodium salt (3794-83-0)	
ACGIH	Not applicable
OSHA	Not applicable
Carboxylate Sulfonate Nonionic Functional Terpolymer (40623-75-4)	
ACGIH	Not applicable
OSHA	Not applicable

#### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.  
  
Hand protection : Wear protective gloves.  
Eye protection : Chemical goggles or safety glasses.  
Respiratory protection : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
  
Other information : Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Color : Colorless  
Odor : characteristic  
Odor threshold : No data available  
pH : No data available  
Relative evaporation rate (butyl acetate=1) : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available

# CW511-SR

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

<b>CW511-SR</b>	
ATE US (oral)	725.056 mg/kg body weight
<b>Benzotriazole (95-14-7)</b>	
LD50 oral rat	560 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
LC50 inhalation rat (mg/l)	1910 mg/m <sup>3</sup> (Exposure time: 3 h)
ATE US (oral)	560.000 mg/kg body weight
ATE US (dust, mist)	1.430 mg/l/4h
<b>HEDP, Tetrasodium salt (3794-83-0)</b>	
LD50 oral rat	990 mg/kg
ATE US (oral)	990.000 mg/kg body weight
<b>Carboxylate Sulfonate Nonionic Functional Terpolymer (40623-75-4)</b>	
ATE US (oral)	500.000 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

# CW511-SR

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Benzotriazole (95-14-7)

LC50 fish 1	39 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	141.6 mg/l (Exposure time: 48 h - Species: water flea)

#### 12.2. Persistence and degradability

##### CW511-SR

Persistence and degradability	Not established.
-------------------------------	------------------

#### 12.3. Bioaccumulative potential

##### CW511-SR

Bioaccumulative potential	Not established.
---------------------------	------------------

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on global warming	: No known effects from this product.
Other information	: Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

### SECTION 14: Transport information

UN-No.(DOT)	: Non Regulated
UN-No. (IMDG)	: Non Regulated
UN-No. (IATA)	: Non Regulated

#### 14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Not applicable.
Proper Shipping Name (IMDG)	: Not applicable.
Proper Shipping Name (IATA)	: Not applicable.

#### 14.3. Transport hazard class(es)

Class (DOT)	: Not applicable.
	:
Transport hazard class(es) (IMDG)	: Not applicable.
Transport hazard class(es) (IATA)	: Not applicable.

# CW511-SR

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 14.4. Packing group

Packing group (DOT)	: Not applicable.
Packing group (IMDG)	: Not applicable.
Packing group (IATA)	: Not applicable.

### 14.5. Environmental hazards

Marine pollutant(IMDG)	: No
Marine pollutant(IATA)	: No

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### Benzotriazole (95-14-7)

EPA TSCA Regulatory Flag	TP - TP - indicates a substance that is the subject of a proposed TSCA section 4 test rule.
--------------------------	---

### 15.2. International regulations

#### CANADA

#### Benzotriazole (95-14-7)

Listed on the Canadian DSL (Domestic Substances List)

#### HEDP, Tetrasodium salt (3794-83-0)

Listed on the Canadian DSL (Domestic Substances List)

#### Carboxylate Sulfonate Nonionic Functional Terpolymer (40623-75-4)

Listed on the Canadian DSL (Domestic Substances List)

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

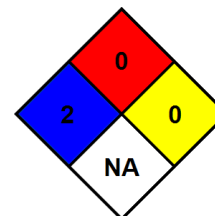
## SECTION 16: Other information

Revision date	: 04/08/2020
Other information	: None.

Full text of H-phrases:

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H402	Harmful to aquatic life

NFPA health hazard	: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFPA fire hazard	: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.
NFPA specific hazard	: NA - Not Applicable



# CW511-SR

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

---

### Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur  
Flammability : 0 Minimal Hazard  
Physical : 0 Minimal Hazard  
Personal protection : B

Dober SDS US

*To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*