



# MATERIAL SAFETY DATA SHEET

Issuing date 25-Aug-1991

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Version 1

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

### 1.1 Product identifier

**Product name** CSM-50

### 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**

CESI Chemical  
1004 S. Plainsman Road  
Marlow, OK 73055  
Phone (580) 658-6608  
Fax (580) 658-3223

CESI Chemical, Holland Branch  
Waanderweg 64  
7812 HZ, Emmen  
The Netherlands  
Phone +31 (0) 591-677550

For further information, please contact:

**E-mail Address** information@cesichem.com

### 1.4 Emergency telephone number

**Emergency telephone** US: 1-405-282-8510  
EU: (0031)(0)30-2748888

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Ozone	Not applicable
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**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

### 2.2 Label Elements

## 2.3 Other information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

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

#### **Additional information**

Not Hazardous (OSHA 29 CFR 1910.1200)

### 4. FIRST AID MEASURES

#### 4.1 Description of first-aid measures

##### **Eye contact**

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

##### **Skin contact**

Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. If skin irritation persists, call a physician.

##### **Ingestion**

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

##### **Inhalation**

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

#### 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**

Use CO2, dry chemical, or foam.

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

No information available.

#### 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**

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.

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

### **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.

Soak up with inert absorbent material. Clean up promptly by sweeping or vacuum. 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. Do not eat, drink or smoke when using this product.

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

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

### **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.

**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** Handle in accordance with good industrial hygiene and safety practice. 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**

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

<b>Physical State</b>	Liquid	<b>Appearance</b>	No information available
<b>Odor</b>	Ammoniacal	<b>Color</b>	clear - cloudy colorless

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	6-8	
Melting point/range	<-18 °C / <0 °F	
Boiling point/boiling range	104.4 °C / 220 °F	
Flash Point	Not applicable	
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	1.111	
Water solubility	completely soluble	
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	9.27 lbs/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 oxidizing agents.

### 10.6 Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx). Hydrogen chloride gas.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Product Information

#### Inhalation

May cause irritation of respiratory tract.

#### Eye contact

Moderately irritating to the eyes.

<b>Skin contact</b>	Substance may cause slight skin irritation. Prolonged skin contact may defat the skin and produce dermatitis.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b><u>Chronic toxicity</u></b>	
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen
<b>Sensitization</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Mutagenic effects</b>	No information available
<b>Developmental Toxicity</b>	No information available
<b>Teratogenicity</b>	No information available
<b>Target Organ Effects</b>	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

ADR/RID 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	-
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

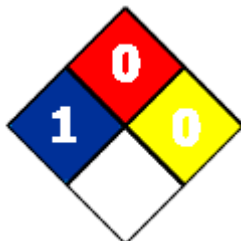
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements 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**

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

Prepared By	QHSE Department
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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 29 CFR 1910.1200.

**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 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.