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## 1. Identification of the substance/preparation and of the company/undertaking

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**Product Name** CS-5700-MF

**UN/ID No.** Not regulated

**Synonyms** No information available

### Recommended use of the chemical and restrictions on use

**Recommended Use** Recirculating System Vapor Phase Corrosion & Deposit Inhibitor

**Uses advised against** No information available

### Supplier Address

Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

### Emergency telephone number

Chemtrec 1-800-424-9300

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## 2. Hazards identification

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### Classification

#### **OSHA Regulatory Status**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**Skin Corrosion/Irritation** Category 2

**Serious Eye Damage/Irritation** Category 2A

### Label Elements

Signal word: **Warning**

#### **Hazard Statements**

Causes skin irritation.

Causes serious eye irritation.

#### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves. Wear eye protection/face protection.

#### **Precautionary Statements - Response**

Specific treatment (see Section 4 on the SDS).

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### **Precautionary Statements - Storage**

Not applicable

#### **Precautionary Statements - Disposal**

Not applicable

#### **Hazards not otherwise classified (HNOC)**

#### **Other Information**

Not applicable



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## 3. Composition/information on ingredients

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Chemical Name	CAS Number	% by Weight
Propriety mixture of vapor phase corrosion inhibitors.		100

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

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## 4. First aid measures

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#### **Eye contact**

Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.

**Skin Contact**

Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.

**Inhalation**

Remove victim to fresh air. If breathing difficulty occurs or persists, get medical attention.

**Ingestion**

Drink plenty of water. Call a physician immediately.

**Self-protection of the first aider**

Avoid contact with product

**Most important symptoms and effects, both acute and delayed****Symptoms**

See section 11

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

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**5. Fire-fighting measures**

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**Suitable extinguishing media**

Use media appropriate to surrounding environment.

**Unsuitable extinguishing media**

No information available.

**Specific hazards arising from the chemical**

No information available.

**Hazardous combustion products**

No information available.

**Explosion Data**

**Sensitivity to mechanical impact** None

**Sensitivity to static discharge** None

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to cool fire exposed containers. Move containers from fire area if you can do it without risk.

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**6. Accidental release measures**

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**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Evacuate nonessential personnel. Ventilate area. Wear appropriate personal protection equipment.

**Environmental precautions**

Prevent run-off into ground or surface waters or sewers. See Section 12 for additional ecological information.

**Methods for containment**

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up**

Recover as much material as possible into containers for disposal or reuse. Remaining material may be diluted with water and neutralized. Flush spill area with water. Neutralization products, both solid and liquid, must be recovered for disposal.

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**7. Handling and storage**

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**Precautions for safe handling****Advice on safe handling**

Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wear appropriate protective clothing/equipment. Do not breathe dust. Use with adequate ventilation. Do not ingest.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep container tightly closed. Do not store with acids.

**Incompatible materials**

None known based on information supplied.

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure Guideline

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
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### Appropriate engineering controls

Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Tight sealing safety goggles.

#### Skin and body protection

Wear protective gloves and protective clothing.

#### Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

#### General Hygiene Considerations

Keep away from food, drink and animal feeding stuffs. Take off all contaminated clothing and wash it before reuse. Wash hands thoroughly after handling. Avoid contact with eyes, skin and clothing.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state	Liquid
Color	Yellow to amber
Odor	Characteristic
Odor threshold	No information available
pH	8.5 - 9.5
Melting point/freezing point	No information available
Boiling point / boiling range	100 °C (212 °F)
Flash point	Not applicable
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability upper limit in air	Not applicable
Flammability lower limit in air	Not applicable
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity	1.1 - 1.15 (9.2-9.6 lbs/gal)
Water solubility	Soluble in water
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available

## 10. Stability and reactivity

#### Reactivity

No information available

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of Hazardous Reactions

None under normal processing.

#### Conditions to avoid

None known

#### Incompatible materials

None known

#### Hazardous Decomposition Products

No dangerous decomposition products known

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Irritant to mucous membranes
<b>Eye contact</b>	Causes serious eye irritation
<b>Skin Contact</b>	Causes skin irritation
<b>Ingestion</b>	No information available

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propriety mixture of vapor phase corrosion inhibitors.	825 mg/kg (rat) ( $\geq 2.5$ -<10% of product); 4,190 mg/kg (rat) ( $\geq 2.5$ -<10% of product); 675 mg/kg (rat) (<2.5 of product)	>2,000 mg/kg (rabbit) (<2.5 of product)	

### Information on toxicological effects

**Symptoms** Causes severe eye and skin irritation

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available  
**Germ cell mutagenicity** No information available  
**Carcinogenicity**

Chemical Name	ACGIH	IARC	NTP	OSHA
Propriety mixture of vapor phase corrosion inhibitors.	None of the ingredients is listed.	Tertiary alkanolamine (3)	None of the ingredients is listed.	None of the ingredients is listed.

**Reproductive toxicity** No information available  
**STOT - single exposure** No information available  
**STOT - repeated exposure** No information available  
**Aspiration hazard** No information available

### Numerical measures of toxicity - Product Information

No information available

## 12. Ecological information

### Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Propriety mixture of vapor phase corrosion inhibitors.	512 mg/l (Selenastrum capricornutum) (3 days)	11,800 mg/l (Oncorhynchus mykiss (rainbow trout) (4 days) >1,000 mg/l (Pimephales promelas (Fathead minnow)) (96 hours)	609.88 mg/l (Ceriodaphnia dubia) (48 Hours) >16 mg/l (Daphnia magna) (21 days) (EC50/21 D) 16 mg/l (Daphnia magna) (21 days) (NOEC)

**Persistence and degradability** No information available  
**Bioaccumulation** No information available  
**Other adverse effects** No information available

## 13. Disposal considerations

### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.  
**Contaminated packaging** Do not reuse container.

Chemical Name	California Hazardous Waste Status

## 14. Transport information

DOT	Not regulated
UN/ID No.	Not regulated
Proper shipping name	Not regulated
Hazardous ingredients	Not regulated
Hazard class	Not regulated
Packing group	Not regulated

## 15. Regulatory information

### US Federal Regulations

#### SARA 311/312 Hazards

Skin Corrosion/Irritation  
Serious Eye Damage/Irritation

#### CWA (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)

Chemical Name	Reportable Quantities	Toxic Pollutants	Priority Pollutants	Hazardous Substances
Propriety mixture of vapor phase corrosion inhibitors.	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).

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Propriety mixture of vapor phase corrosion inhibitors.	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		

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health hazards</b>	1	<b>Flammability</b>	0	<b>Instability</b>	0	<b>Physical and Chemical Properties</b>	
<b>HMIS</b>	<b>Health hazards</b>	1	<b>Flammability</b>	0	<b>Physical hazards</b>	0	<b>Personal protection</b>	X
<b>Prepared By</b>	L. Tipka							
<b>Issue Date</b>	2023-07-19							
<b>Revision Date</b>	2023-07-19							
<b>Revision Note</b>								

### Disclaimer

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.

End of Safety Data Sheet