



Rantec Corporation  
P.O. Box 729  
Ranchester, Wy 82839  
(307) 655-9565

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME: CFS-2**

**SECTION 1. PRODUCT IDENTIFICATION & EMERGENCY INFORMATION**

TRADE NAME: CFS-2  
CHEMICAL NAME: Not Applicable, A Blend  
CHEMICAL FAMILY: Poly-quaternary Amines  
D.O.T. EMERGENCY PHONE: 307-655-9565  
ISSUE DATE: 8/25/91  
REVISED DATE: 4/8/96

**SECTION 2. HAZARDOUS INGREDIENTS**

<u>CAS NO.</u>	<u>COMPONENT</u>	<u>% RANGE</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
	None			

**SECTION 3. PHYSICAL & CHEMICAL PROPERTIES**

SPECIFIC GRAVITY: 1.144  
DENSITY: 9.55 LBS/GAL  
BOILING POINT: Approx. 220°F  
FREEZING/MELTING POINT: <0°F  
SOLUBILITY IN WATER: Complete  
PERCENT VOLATILES: NA  
pH: 6-8  
FORM: Liquid  
COLOR: Colorless  
ODOR: Ammonia  
VAPOR PRESSURE (mm Hg @ F): ND

**SECTION 4. FIRE & EXPLOSION HAZARD**

FLASH POINT: None (PMCC)  
FLAMMABLE LIMITS: LEL: NA UEL: NA

EXTINGUISHING MEDIA: Water spray or fog, dry chemical, carbon dioxide (CO<sub>2</sub>), or foam.

FIRE FIGHTING: This product would not be expected to burn unless all the water is boiled away. The remaining organics may be ignitable. Use water to cool containers.

UNUSUAL FIRE HAZARD: None known.

**SECTION 5. HAZARD RATING SYSTEM**

NFPA 704⇒ HEALTH: 1 FIRE: 0 REACTIVITY: 0 SPECIAL:  
HMIS⇒ HEALTH: 1 FIRE: 0 REACTIVITY: 0 SPECIAL:  
(4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal)

**SECTION 6. HEALTH INFORMATION**

PRIMARY ROUTE(S) OF ENTRY: Eyes, skin, inhalation.  
CARCINOGEN: Not listed in NTP, IARC monographs or OSHA regulated.  
THRESHOLD LIMIT VALUE: Not established for this product.

# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME: CFS-2**

## EFFECTS OF EXPOSURE

EYE CONTACT: May cause moderate to severe irritation.

SKIN CONTACT: Brief contact may cause mild irritation. Prolonged contact may cause more severe irritation and dermatitis.

INHALATION: Exposure may result in nose and respiratory tract irritation.

INGESTION: May cause irritation of the mouth, throat and gastrointestinal tract.

## FIRST AID

EYES: Immediately flush with copious amounts of water for at least 15 minutes while holding eyelids open. If irritation persists, get medical attention.

SKIN: Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, get medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

INGESTION: If victim is conscious, give large quantities of water to dilute. DO NOT induce vomiting. If vomiting occurs spontaneously, keep the victim's head below hips while vomiting. Never give anything by mouth to an unconscious person. Get immediate medical attention.

## TOXICITY

ACUTE: ND

CHRONIC: ND

## **SECTION 7. PERSONAL PROTECTION**

HANDS: Rubber or neoprene gloves.

EYES: Chemical splash goggles and face shield.

RESPIRATORY: None generally required under conditions of normal use.

VENTILATION: Local or general recommended.

OTHER: Emergency eye wash fountains and safety showers should be in the immediate vicinity of any potential exposure. Remove all contaminated clothing and launder before reuse.

## **SECTION 8. REACTIVITY DATA**

STABILITY: Stable.

CONDITIONS TO AVOID: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

DECOMPOSITION PRODUCTS: CO<sub>x</sub> and NO<sub>x</sub> during combustion.

INCOMPATIBILITY: Strong oxidizing agents.

# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME: CFS-2**

## SECTION 9. SPILL CONTROL PROCEDURE

SPILLS: Wear proper protective equipment. Stop the flow of chemical. Dike to contain and prevent spreading. Do not allow into waterways or sewers. Remove with vacuum truck or pump to salvage vessels. Soak up residue with an inert absorbent and place into appropriate containers for disposal. Report spill as per regulatory requirements.

DISPOSAL: Comply with all local, state and federal regulations on disposal.

## SECTION 10. SPECIAL PRECAUTIONS

HANDLING & STORAGE: Keep container closed when not in use. Store drums with the bung up. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.

PRECAUTIONARY LABEL INFORMATION: CAUTION! Eye and skin irritant. Inhalation of vapors may be irritating. Avoid contact with strong oxidizers. Do not get in eyes, on skin or clothing. Avoid breathing vapors.

## SECTION 11. REGULATORY INFORMATION

### DEPARTMENT OF TRANSPORTATION

D.O.T. SHIPPING NAME: CFS-2, Not regulated, PGIII

LABELS REQUIRED: None

D.O.T. HAZARD CLASS: NA

UN/NA NUMBER: NA

PACKAGING GROUP: III

### TSCA

All components of this product are listed on the TSCA Inventory.

### CERCLA

REPORTABLE QUANTITY (RQ): NA

If the reportable quantity of this product is accidentally spilled, the incident is subject to the provisions of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and must be reported to the National Response Center by calling (800) 424-8802.

### SARA TITLE III

Under the provisions of the Superfund Amendments and Reauthorization Act of 1986, Section 302-Extremely Hazardous Substances (40CFR355), this product does not contain ingredients listed in Appendix A and B.

Under Sections 311/312 of SARA, this product is classified into the following hazard categories:

- YES Immediate (acute) health hazard
- NO Delayed (chronic) health hazard
- NO Fire hazard
- NO Sudden Release of Pressure Hazard
- NO Reactive Hazard

This product contains the following Section 313 Reportable Quantities:

None

NE = Not Established

NA = Not Applicable

ND = No Data Available

Prepared By: Todd Sanner

### DISCLAIMER OF LIABILITY

The information contained in this MSDS was obtained from sources which we believe are reliable. However, the information is without any warranty, express or implied, regarding correctness. The methods of handling, storage, use and disposal of the product are beyond our control and may be outside the scope of our knowledge. For these reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.