



# SAFETY DATA SHEET

## SECTION 1. PRODUCT & COMPANY IDENTIFICATION

Material Name: CS40 CATIONIC SURFACTANT  
Product Use Dilution: For manufacturing use only.  
Manufacturer: Unit Chemical Corporation  
7360 Commercial Way  
Henderson, NV 89011  
Telephone: (702) 564-6454 / (800) 879-8648  
Medical Telephone: 911

## SECTION 2. HAZARDS IDENTIFICATION

### Emergency Overview:

Appearance: Dry Spherical Dustless Bead  
Color: White  
Fragrance: Odorless

### GHS Classification:

Skin Corrosion/Irritation: Category 2  
Eye Corrosion/Irritation: Category 2A

### GHS Label Elements:

Pictograms:



Signal Word: Warning

Hazard Statements: Harmful if swallowed.  
Causes skin irritation and serious eye irritation.

Precautionary:

### **Prevention:**

Wash skin thoroughly after handling.  
Wear eye protection / face protection / protective gloves.

### **Response:**

**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Keep respiratory tract clear. If symptoms persist, get medical advice.

**IF ON SKIN:** Take off contaminated clothing. Rinse skin with water. If skin irritation persists, get medical advice.

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

### Potential Health Effects - Carcinogenicity:

No component of this product is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, OSHA, or NTP.

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Percent</u>
Cationic surfactant	68424-85-1	Trade Secret
Urea	57-13-6	Trade Secret

## SECTION 4. FIRST AID MEASURES

General Advice:	Move out of dangerous area. Show this safety sheet to the doctor in attendance. Do not leave victim unattended.
Inhalation:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
Skin Contact:	Wash skin thoroughly with soap and water. If on clothes, remove clothes. If skin irritation persists, call a physician.
Eye Contact:	Protect unharmed eye. Remove contact lenses. Immediately flush eye(s) with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
Ingestion:	Keep respiratory tract clear. Never give anything by mouth to an unconscious person. Clean mouth with water first and then drink plenty of water. Do not give milk or alcoholic beverages. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If symptoms persist, call a physician.
Note to Physician:	Treat symptomatically and supportively.

## SECTION 5. FIRE FIGHTING MEASURES:

Extinguishing Media:	Water spray, foam, dry agent (carbon dioxide, dry chemical powder).
Unsuitable Media:	None known.
Hazardous Thermal Decomposition Products:	Decomposition product may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxide, and smoke.
Fire Fighting Method:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dike the area of fire to prevent runoff.
Special Protective Fire-Fighter Equipment:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. No unusual fire or explosion hazards noted.

## SECTION 6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions:	Initiate company's spill response procedures. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not walk through spilled material. Surface may be slippery after spillage.
Environmental Precautions:	Prevent runoff from going into soil and surface waterways.
Methods for Cleaning Up and Containment:	Vacuum, shovel, or sweep up material and place into a suitable disposal container. Flush residues to drain with plenty of water.



## **SECTION 7. HANDLING AND STORAGE:**

**Handling Precautions:** Wash thoroughly after handling. Avoid contact with eyes and skin. Keep container closed. Avoid ingestion and inhalation. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

**Storage Precautions:** Keep out of reach of children. Store in a cool dry place as moisture can cause caking. Store in the original closed container.

## **SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:**

**Occupational Limits:** No exposure limits noted for ingredient(s).

**Biological Limits:** No exposure limits noted for ingredient(s).

**Engineering Controls:** Ensure adequate ventilation.

### **Personal Protection:**

**Eye Protection:** Wear protective glasses or goggles.

**Hand Protection:** Wear protective gloves.

**Skin Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Use in well ventilated areas.

**Hygiene Measures:** Always wash hands after handling chemical products, and before smoking, eating, drinking or using the toilet. Wash protective equipment before storage and re-use.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:**

**Physical State:** Dry Spherical Dustless Bead

**Color:** White

**Odor:** Odorless

**Solubility In Water:** Complete

**pH:** 7.0 - 8.0

**Flash Point:** None. Not flammable.

**Specific Gravity:** 0.6 lb/gal

**Melting Point:** > 250 °F

**Freezing Point:** Does not Freeze

**Evaporation Rate:** < 1

## **SECTION 10. STABILITY AND REACTIVITY:**

**Reactivity:** Non-reactive under normal conditions of use, storage and transport.

**Chemical Stability:** Material is stable under normal conditions.

**Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

**Conditions To Avoid:** Contact with incompatible materials.

**Incompatible Materials:** Strong oxidizing agents. Anionic surfactants.

**Hazardous Decomp:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11. TOXICOLOGICAL INFORMATION:**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### **Symptoms:**

Eye Contact:	Adverse symptoms may include pain, watering and redness.
Skin Contact:	Adverse symptoms may include irritation or redness.
Inhalation:	Adverse symptoms may include respiratory tract irritation and coughing.
Ingestion:	Adverse symptoms may include stomach pains.

### **Acute Toxicity:**

Eye Contact:	May cause serious eye irritation.
Skin Contact:	May cause skin irritation.
Inhalation:	May cause respiratory irritation.
Ingestion:	Harmful if swallowed

### **Other Toxicity Information:**

Skin Sensitization:	This product is not expect to cause skin sensitization
Carcinogenicity:	Not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive Toxicity:	Product is not expected to cause reproductive or development effects.
Target Organ Toxicity:	No information available.
Aspiration Hazard:	Not likely, due to the form of this product.

**NOTE:** Product not listed under US.OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) or CERCLA Hazardous Substance List (40 CFR 302.4)

## **SECTION 12. ECOLOGICAL INFORMATION:**

Ecotoxicity:	No information available.
Mobility in Soil:	No information available.
Degradability:	No information available.
Bioaccumulative:	No information available.
Other Adverse Effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

## **SECTION 13. DISPOSAL CONSIDERATIONS:**

Waste Disposal Methods:	Dispose in accordance with all applicable regulations.
Contaminated Packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## **SECTION 14. TRANSPORT INFORMATION:**

DOT Proper Shipping name:	Not regulated as dangerous goods or hazardous material.
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## SECTION 15. REGULATORY INFORMATION:

### **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 304 (Extremely Hazardous):** This material does not contain any components with a section 304 Extremely Hazardous Substances Reportable Quantity.

**SARA 311/312 Hazards:** Acute Health Hazard.

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

**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.

**Safe Drinking Water Act (SDWA):** Not regulated.

**State Regulations:** **California Proposition 65:** This product does not contain a listed substance known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

## SECTION 16. OTHER INFORMATION:

**NFPA / HMIS Ratings:** Health: 2 - Flammability: 0 - Reactivity: 0

**Disclaimer:** This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Since the conditions of handling and use are beyond our control, it is impossible to foresee every health effect or exposure risk incurred by the use of this product. All chemicals present some degree of hazard and should be used with caution. The information and recommendations contained herein are presented in good faith. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.