



Chemical Systems
Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|---------------|--|---------------------------------|-------------------------------|
| Product Name: | CS-223 General Purpose Cleaner | Issue Date: | July 14, 2000 |
| Manufacturer: | Chemical Systems 6429 West Jones Avenue P.O. Box 810 Zellwood, FL 32798 | Phone Number: | 407-886-2329 |
| | | 24 Hour Emergency Number | CHEMTREC: 800-424-9300 |

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number/Name

Proprietary blend of nonionic surfactants (All are non-hazardous)

Exposure Limits

PEL: N/A
TLV: N/A

Common Names

N/A

3. HAZARDS IDENTIFICATION

Emergency Overview

May cause irritation to the eyes, skin and mucous membrane.

Potential Health Effects

| | |
|-------------------------|--|
| Routes of entry: | Ingestion, Skin Contact |
| Target Organs: | Eyes, skin, and gastrointestinal tract |
| Irritancy: | Liquid, vapors or mist may be irritating to eyes, skin |
| Sensitizing Capability: | None known |
| Reproductive Effects: | None known |
| Cancer Information: | None known |

Short Term Exposure (Acute)

Inhalation:

- Not applicable

Eyes:

- Contact can cause eye irritation.

Skin:

- Prolonged use can cause skin irritation.

Ingestion:

- Contact a physician if necessary.

Repeated Exposure (Chronic)

None Known

Synergistic Materials

None Known

Medical Conditions Aggravated by Exposure

None Known

4. FIRST AID MEASURES

Eyes:

Flush eyes with water for at least 20 minutes. Get medical attention if necessary.

Skin:

In case of contact with the substance, flush skin with water.

Inhalation:

N/A

Ingestion:

Drink water by glass. Seek medical attention if necessary.

5. FIRE FIGHTING MEASURES

Flash Point: Non-flammable

Method: Non-flammable

Autoignition Temperature: Non-flammable

Flammable Limits in Air, by Volume:

Upper Non-flammable

Lower Non-flammable

Extinguishing Media:

- Non-flammable

Fire Fighting Procedures:

- No special procedures necessary.

Fire and Explosion Hazard:

- None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

- Follow protective measures provided under Personal Protection in Section 8.

Environmental Precautions

- While this chemical is not hazardous, it is good practice to always contain liquid spills and prevent unnecessary discharges to streams or sewers.

Methods for Cleaning Up

- Flush the spill area with large quantities of water.

7. HANDLING AND STORAGE

Handling

- Do not get in eyes. Wash contaminated clothing before reuse. Do not take internally. Wear personal protective equipment as described in Exposure Controls/Personal Protection (Section 8) of the MSDS.

Special Mixing and Handling Instructions

- Returnable containers should be shipped in accordance with supplier's recommendations. Return shipments should comply with all federal, state and DOT regulations. All residues should be removed from containers prior to disposal.

Storage

- No specialized storage requirements.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

- No special ventilation required under normal use.

Personal Protection

Respiratory:

- Respiratory protection is not required under normal use.

Eye/Face:

- Not necessary under normal use. If splashing likely, use eye protection.

Skin:

- Skin protection is not normally required.
- If exposed for long periods, wear protective gloves

Other:

- None

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------------------|--------------------|
| Physical State | Liquid |
| Appearance | Green |
| Odor: | Slight odor |
| Boiling Point | 212 degrees F |
| Melting Point | ND |
| Specific Gravity (Water = 1) | 1.056 |
| Solubility in Water | Completely soluble |
| Vapor Pressure (Air = 1) | 1 |
| Vapor Density (Air = 1) | 1 |
| Evaporation Rate (Butyl acetate = 1) | 1 |

10. STABILITY AND REACTIVITY

| | |
|--|----------------|
| Chemical Stability: | Stable |
| Reacts with: | None known |
| Hazardous Polymerization: | Will not occur |
| Hazardous Decomposition Products: | None |

11. TOXICOLOGICAL INFORMATION

Data Not Available

12. ECOLOGICAL INFORMATION

Data Not Available

13. DISPOSAL INFORMATION

Dispose of all waste and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations.

14. TRANSPORT INFORMATION

| | |
|-------------------------------------|-------------------------------|
| DOT Proper Shipping Name: | Not subject to DOT regulation |
| DOT Hazard Class: | Not applicable |
| DOT Identification Number: | Not applicable |
| DOT Packaging Group: | Not applicable |
| DOT Hazardous Substance: | Not applicable |
| DOT Marine Pollutant (s): | Not applicable |
| Additional Description Requirement: | Not applicable |

15. REGULATORY INFORMATION

Product contains no SARA reportable chemicals.

16. OTHER INFORMATION

For additional non-emergency health, safety or environmental information, contact:

Chemical Systems
6429 West Jones Avenue
Zellwood, FL 32798
407-886-2329

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