

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name DD-135
Recommended use Cleaning agent
Information on Manufacturer
 CHEMSEARCH DIV. OF NCH CORP.
 BOX 152170
 IRVING, TX 75015

Product Code 0100
Chemical Nature mixture
Emergency Telephone Number

2. HAZARDS IDENTIFICATION

Emergency Overview**WARNING**

May cause skin irritation
 May cause allergic skin reaction
 Causes eye irritation
 May be harmful if inhaled
 May be harmful if swallowed

Color Amber**Physical State** Liquid**Odor** Odorless**Potential Health Effects****Principle Route of Exposure**

Skin contact, Eye contact, Inhalation.

Primary Routes of Entry

Skin Absorption, Inhalation.

Acute Effects**Eyes**

Causes eye irritation.

Skin

May cause skin irritation. May cause allergic skin reaction.

Inhalation

May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic toxicity

May cause skin sensitization in some individuals. Liver and kidney injuries may occur.

Target Organ Effects

Central nervous system, Liver, Kidney, Blood, Testes, Bone Marrow.

Aggravated Medical Conditions

Neurological disorders, Liver disorders, Kidney disorders, Blood disorders.

Potential Environmental Effects

See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS-No |
|--|------------|
| Triethanolamine | 102-71-6 |
| Benzenesulfonic acid, dodecyl-, potassium salt | 27177-77-1 |
| Triethanolamine dodecylbenzoesulfonate | 27323-41-7 |
| Dodecylbenzenesulfonic acid, diethanolamine salt | 26545-53-9 |

4. FIRST AID MEASURES

General Advice

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact

Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

Inhalation

If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point >201°F/>94°C**Method**

Seta closed cup

Autoignition Temperature No information available.**Flammability Limits in Air %** Not applicable.**Upper** Not applicable**Lower** Not applicable**Suitable Extinguishing Media**

Water spray. Foam. Carbon dioxide (CO2). Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery conditions.

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.

NFPA**Health** 2**Flammability** 1**Instability** 0**HMIS****Health** 2**Flammability** 1**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental Precautions

Do not flush into surface water or sanitary sewer system.

Methods for Containment

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up

Pick up and transfer to properly labeled containers.

Neutralizing Agent

Not applicable.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Storage

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

Storage Temperature

Minimum 35°F/2°C

Maximum 120°F/49°C

Storage Conditions

Indoor X

Outdoor

Heated

Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

| Component | ACGIH TLV | OSHA PEL | NIOSH |
|--|---------------------------|-------------------|-------------------|
| Triethanolamine | : 5 mg/m ³ TWA | No data available | No data available |
| Benzenesulfonic acid, dodecyl-, potassium salt | No data available | No data available | No data available |
| Triethanolamine dodecylbenzosulfonate | No data available | No data available | No data available |
| Dodecylbenzenesulfonic acid, diethanolamine salt | No data available | No data available | No data available |

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields.

Skin Protection

For prolonged or repeated contact, use protective gloves

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------------------|-----------------|-------------------------|------------------------|
| Physical State | Liquid | Viscosity | Viscous |
| Color | Amber | Odor | Odorless |
| Appearance | Transparent | pH | 7.8 |
| Specific Gravity | 1.05 | Evaporation Rate | 0.39 (Butyl acetate=1) |
| Percent Volatile (Volume) | 64.9 | VOC Content (%) | 2.7 |
| VOC Content (g/L) | 28 | Vapor Pressure | 16.2 mmHg @ 70°F |
| Vapor Density | 0.6 (Air = 1.0) | Solubility | Completely soluble |
| Boiling Point/Range | 210°F/99°C | | |

10. STABILITY AND REACTIVITY

Chemical Stability

Stable. Hazardous polymerization does not occur.

Conditions to Avoid

None known.

Incompatible Products

Strong oxidizing agents, Strong acids.

Hazardous Decomposition Products

Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides.

Possibility of Hazardous Reactions

None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information

No information available.

Component Information**Acute toxicity**

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation | Draize Test | Other |
|--|----------------------|--|-------------------|-------------------|-------------------|
| Triethanolamine | = 4190 mg/kg (Rat) | > 2000 mg/kg (Rabbit) > 16 mL/kg (Rat) | no data available | no data available | no data available |
| Benzenesulfonic acid, dodecyl-, potassium salt | no data available | no data available | no data available | no data available | no data available |
| Triethanolamine dodecylbenzosulfonate | = 2320 mg/kg (Rat) | > 23220 mg/kg (Rabbit) | no data available | no data available | no data available |
| Dodecylbenzenesulfonic acid, diethanolamine salt | no data available | no data available | no data available | no data available | no data available |

Chronic toxicity

| Component | Mutagenicity | Sensitization | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|--|-------------------|--------------------|------------------------|-----------------------|--|
| Triethanolamine | no data available | Skin sensitization | no data available | no data available | Bone marrow, liver, kidney, CNS, blood, testes |
| Benzenesulfonic acid, dodecyl-, potassium salt | no data available | no data available | no data available | no data available | no data available |
| Triethanolamine dodecylbenzosulfonate | no data available | no data available | no data available | no data available | no data available |
| Dodecylbenzenesulfonic acid, diethanolamine salt | no data available | no data available | no data available | no data available | no data available |

Carcinogenicity

There are no known carcinogenic chemicals in this product.

| Component | ACGIH | IARC | NTP | OSHA | Other |
|--|----------------|----------------|----------------|----------------|----------------|
| Triethanolamine | not applicable | not applicable | not applicable | not applicable | not applicable |
| Benzenesulfonic acid, dodecyl-, potassium salt | not applicable | not applicable | not applicable | not applicable | not applicable |
| Triethanolamine dodecylbenzosulfonate | not applicable | not applicable | not applicable | not applicable | not applicable |
| Dodecylbenzenesulfonic acid, diethanolamine salt | not applicable | not applicable | not applicable | not applicable | not applicable |

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Component Information

| Component | Toxicity to Algae | Toxicity to Fish | Microtox | Water Flea | log Pow |
|--|---|---|--------------------------|-------------------|---------|
| Triethanolamine | = 169 mg/L Desmodesmus subspicatus 96 h = 216 mg/L Desmodesmus subspicatus 72 h | 10600-13000 mg/L Pimephales promelas 96 h 450-1000 mg/L Lepomis macrochirus 96 h > 1000 mg/L Pimephales promelas 96 h | EC50 > 10000 mg/L 30 min | = 1386 mg/L 24 h | 0 |
| Benzenesulfonic acid, dodecyl-, potassium salt | no data available | no data available | no data available | no data available | N/A |
| Triethanolamine dodecylbenzosulfonate | no data available | no data available | no data available | no data available | N/A |
| Dodecylbenzenesulfonic acid, diethanolamine salt | no data available | no data available | no data available | no data available | N/A |

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated
TDG Not regulated
ICAO Not regulated
IATA Not regulated
IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies

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 and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

| Acute Health Hazard | Chronic Health Hazard | Fire Hazard | Sudden Release of Pressure Hazard | Reactive Hazard |
|---------------------|-----------------------|-------------|-----------------------------------|-----------------|
| Yes | Yes | No | No | No |

CERCLA

| Component | Hazardous Substances RQs | CERCLA EHS RQs |
|--|--------------------------|----------------|
| Triethanolamine | Not applicable | Not applicable |
| Benzenesulfonic acid, dodecyl-, potassium salt | Not applicable | Not applicable |
| Triethanolamine dodecylbenzosulfonate | Not applicable | Not applicable |
| Dodecylbenzenesulfonic acid, diethanolamine salt | Not applicable | Not applicable |

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.

WHMIS Hazard Class

D2B Toxic materials



16. OTHER INFORMATION

Prepared By Anita Stelly
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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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