Safety Data Sheet CC-93 AEROSOL

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name  CC-93 AEROSOL  
Recommended use  Lubricant  
Information on Manufacturer  MANTEK, DIVISION OF NCH CORP.  
BOX 152170  
IRVING, TEXAS 75015

Product Code  5033  
Chemical nature  Aerosol  
Emergency Telephone Number  CHEMTREC® 800-424-9300  
Telephone inquiry  972-579-2477

2. HAZARD IDENTIFICATION

Color  Gray  
Physical state  liquid  
Odor  Solvent

GHS Classification

Physical Hazards

Flammable Aerosols  Category 2  
Gases under pressure  Compressed Gas  

Health Hazard

Aspiration Toxicity  Category 1  
Specific target organ systemic toxicity (single exposure)  Category 3  
Specific target organ toxicity (repeated exposure)  Category 2

Other hazards

None

Labeling

Signal Word  DANGER

Hazard statements

H223 - Flammable aerosol
H336 - May cause drowsiness or dizziness
H304 - May be fatal if swallowed and enters airways
H373 - May cause damage to organs through prolonged or repeated exposure
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements

P210 - Keep away from heat, sparks, open flames or hot surfaces.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P270 - Do not eat, drink or smoke when using this product.
P260 - Do not breathe vapors, mist or gas.
P271 - Use in a well-ventilated area.
P264 - Wash face, hands and any exposed skin thoroughly after handling
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a physician if unwell.
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P410 + P403 - Protect from sunlight. Store in a well-ventilated place
P412 - Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight % *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>64742-52-5</td>
<td>15-40</td>
</tr>
</tbody>
</table>

42 % of the mixture consists of ingredient(s) of unknown toxicity
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable) 64742-53-6 15-40

Petrolatum 8009-03-8 7-13

Sodium sulfonate 68608-26-4 5-10

Isobutane 75-28-5 5-10

Propane 74-98-6 1-5

Polybutene 9003-29-6 1-5

Stoddard solvent 8052-41-3 1-5

Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable) 64742-65-0 1-5

Hexylene glycol 107-41-5 1-5

1,2,4-Trimethylbenzene 95-63-6 0.1-1

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

4. FIRST AID MEASURES

General advice Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.

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

Skin Contact Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.

Inhalation Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Notes to physician Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

5. FIRE-FIGHTING MEASURES

Flash Point 201.2 °F / 94 °C Method Seta closed cup

Flammability Limits in Air %: Mixture. Upper: 9.5 Lower: 0.9

Suitable Extinguishing Media Foam. Alcohol-resistant foam. Carbon dioxide (CO2). Water spray. Dry powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical Material can create slippery conditions. Flame extension: 9.8 inches / 25 cm and Burnback: 0 inch / 0 cm.

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

Aerosol Level (NFPA 30B) - 3

NFPA Health 2 Flammability 4 Instability 0

HMIS Health 2 Flammability 4 Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. 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 Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Ensure adequate ventilation. Keep away from heat and sources of ignition. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Wear personal protective equipment.

Storage Store in original container. Keep in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition.

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
<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>TWA: 5 mg/m$^3$; STEL: 10 mg/m$^3$</td>
<td>TWA: 5 mg/m$^3$</td>
<td>No data available</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic (&lt;3% DMSO extractable)</td>
<td>5 mg/m$^3$ as oil mist</td>
<td>10 mg/m$^3$ as oil mist</td>
<td>No data available</td>
</tr>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic (&lt;3% DMSO extractable)</td>
<td>TWA: 5 mg/m$^3$; STEL: 10 mg/m$^3$</td>
<td>TWA: 5 mg/m$^3$</td>
<td>No data available</td>
</tr>
<tr>
<td>Petrolatum</td>
<td>TWA: 5 mg/m$^3$</td>
<td>TWA: 800 ppm</td>
<td>TWA: 1900 mg/m$^3$</td>
</tr>
<tr>
<td>Propane</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1000 ppm</td>
<td>2100 ppm</td>
</tr>
<tr>
<td>Polybutene</td>
<td>5 mg/m$^3$ as oil mist</td>
<td>10 mg/m$^3$ as oil mist</td>
<td>No data available</td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>TWA: 100 ppm</td>
<td>TWA: 500 ppm</td>
<td>TWA: 2000 mg/m$^3$</td>
</tr>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic (&lt;3% DMSO extractable)</td>
<td>TWA: 5 mg/m$^3$</td>
<td>TWA: 5 mg/m$^3$</td>
<td>No data available</td>
</tr>
<tr>
<td>Hexylene glycol</td>
<td>Ceiling: 25 ppm</td>
<td>No data available</td>
<td>Ceiling: 25 ppm</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>TWA: 25 ppm</td>
<td>TWA: 25 ppm</td>
<td>TWA: 125 mg/m$^3$</td>
</tr>
</tbody>
</table>

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

**Personal Protective Equipment**

- **Eye/face protection**: Safety glasses with side-shields.
- **Skin protection**: Wear suitable protective clothing, impervious 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. Wear protective gloves/clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Viscosity</th>
<th>Odor</th>
<th>Specific Gravity</th>
<th>Evaporation Rate</th>
<th>Percent Volatile (Volume)</th>
<th>VOC Content (%)</th>
<th>VOC Content (g/L)</th>
<th>Vapor Pressure</th>
<th>Solubility</th>
<th>n-Octanol/Water Partition</th>
<th>Decomposition Temperature</th>
<th>Flammability (solid, gas)</th>
<th>Method</th>
<th>Flash Point</th>
<th>Boiling Point/Range</th>
<th>Melting Point/Range</th>
<th>Autoignition Temperature</th>
<th>Flammability Limits in Air %:</th>
<th>Autoignition Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>liquid</td>
<td>Slight viscous</td>
<td>Odor</td>
<td>Solvent</td>
<td>18.85 (Butyl acetate=1)</td>
<td>23.7</td>
<td>17.2</td>
<td>147.4</td>
<td>1762.54 mmHg @ 70°F</td>
<td>Negligible</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>Method</td>
<td>201.2 °F / 94 °C</td>
<td>No data available</td>
<td>Mixture</td>
<td>Upper: 9.5 Lower: 0.9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

- **Chemical Stability**: Stable. Hazardous polymerization does not occur.
- **Conditions to Avoid**: Keep away from open flames, hot surfaces, and sources of ignition.
- **Incompatible Products**: Strong oxidizing agents, strong acids, aldehydes, ketones.
- **Decomposition Temperature**: No data available
- **Hazardous Decomposition Products**: Carbon oxides, nitrogen oxides (NOx), sulfur oxides, aldehydes, ketones.
- **Possibility of Hazardous Reactions**: None under normal processing.

### 11. TOXICOLOGICAL INFORMATION

**Product Information**

No information available.

The following values are calculated based on chapter 3.1 of the GHS document

- **Oral LD50**: 4,960.48
- **Dermal LD50**: 2,214.25
- **Inhalation LC50**: No information available
Vapor

Principle Route of Exposure: Inhalation, Skin contact, Eye contact, Ingestion.

Primary Routes of Entry: Inhalation, Eye contact, Skin contact, Ingestion.

Acute Effects:
- Eyes: Low hazard for usual industrial or commercial handling.
- Skin: Low hazard for usual industrial or commercial handling.
- 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 may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Causes headache, drowsiness or other effects to the central nervous system. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways. Repeated or prolonged exposure may cause central nervous system damage. Kidney injury may occur.

Chronic Toxicity: Low hazard for usual industrial or commercial handling.

Target Organ Effects: Central nervous system, Heart, Liver, Kidney, Blood, Respiratory system, Immune system.

Aggravated Medical Conditions: Respiratory disorders, Neurological disorders, Skin disorders, Kidney disorders, Blood disorders.

Component Information

### Acute Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
<th>Draize Test</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable) 64742-52-5</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 5000 mg/kg (Rabbit)</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic (&lt;3% DMSO extractable) 64742-65-0</td>
<td>&gt;5000 mg/kg (rat)</td>
<td>&gt;5000 mg/kg (rabbit)</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Hexylene glycol 107-41-5</td>
<td>3692 mg/kg (Rat)</td>
<td>no data available</td>
<td>&gt; 310 mg/m³ (Rat) 1 h</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene 95-63-6</td>
<td>3280 mg/kg (Rat)</td>
<td>&gt; 3160 mg/kg (Rabbit)</td>
<td>= 18 g/m³ (Rat) 4 h</td>
<td>no data available</td>
<td>no data available</td>
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</table>

### Chronic Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Mutagenicity</th>
<th>Sensitization</th>
<th>Developmental Toxicity</th>
<th>Reproductive Toxicity</th>
<th>Target Organ Effects</th>
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</thead>
<tbody>
<tr>
<td>Isobutane 75-28-5</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>Central nervous system</td>
</tr>
<tr>
<td>Propane 74-98-6</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>Central nervous system</td>
</tr>
<tr>
<td>Stoddard solvent 8052-41-3</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>Skin Central nervous system Eyes Respiratory system Kidney</td>
</tr>
<tr>
<td>Hexylene glycol 107-41-5</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>Skin Central nervous system Eyes Respiratory system</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene 95-63-6</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>Blood Skin Central nervous system Eyes Respiratory system</td>
</tr>
</tbody>
</table>

Carcinogenicity: There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Component Information

<table>
<thead>
<tr>
<th>Component</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Microtox</th>
<th>Crustacea</th>
<th>log Pow</th>
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</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>No information available</td>
<td>LC50 &gt; 5000 mg/L Oncorhynchus mykiss 96 h</td>
<td>No information available</td>
<td>1000: 48 h Daphnia magna mg/L EC50</td>
<td>N/A</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic (&lt;3% DMSO extractable)</td>
<td>No information available</td>
<td>LC50 &gt; 5000 mg/L Oncorhynchus mykiss 96 h</td>
<td>No information available</td>
<td>1000: 48 h Daphnia magna mg/L EC50</td>
<td>N/A</td>
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<tr>
<td>Isobutane</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>2.88</td>
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<tr>
<td>Propane</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>2.3</td>
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<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic (&lt;3% DMSO extractable)</td>
<td>No information available</td>
<td>LC50 &gt; 5000 mg/L Oncorhynchus mykiss 96 h</td>
<td>No information available</td>
<td>1000: 48 h Daphnia magna mg/L EC50</td>
<td>N/A</td>
</tr>
<tr>
<td>Substance</td>
<td>LC50/EC50</td>
<td>Comment</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>-----------------------------------</td>
<td>----------------------------------</td>
<td>----------------------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hexylene glycol</td>
<td>LC50 10500 - 11000 mg/L</td>
<td>Pimephales promelas 96 h</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50 = 10000 mg/L Lepomis macrochirus 96 h</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50 = 8690 mg/L Pimephales promelas 96 h</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50 = 10700 mg/L Pimephales promelas 96 h</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EC50 = 3038 mg/L 5 min</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2700 - 3700; 48 h Daphnia magna mg/L EC50</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>LC50 7.19 - 8.28 mg/L Pimephales promelas 96 h</td>
<td>No information available.</td>
<td></td>
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<tr>
<td></td>
<td>LC50 = 7.72 mg/L Pimephales promelas 96 h</td>
<td>No information available.</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>EC50 = 0.13986</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6.14: 48 h Daphnia magna mg/L EC50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**
Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

### 14. TRANSPORT INFORMATION

**DOT**
- **Proper Shipping Name**: Consumer commodity
- **Hazard Class**: ORM-D
- **Description**: Consumer commodity, ORM-D

**TDG**
- **Proper Shipping Name**: Aerosols
- **Hazard Class**: 2.1
- **UN-No**: UN1950
- **Description**: UN1950, AEROSOLS, 2.1, LTD QTY

**ICAO**
- **UN-No**: UN1950
- **Proper Shipping Name**: Aerosols
- **Hazard Class**: 2.1
- **Shipping Description**: UN1950, AEROSOLS, FLAMMABLE 2.1 LTD QTY

**IATA**
- **UN-No**: UN1950
- **Proper Shipping Name**: Aerosols, flammable
- **Hazard Class**: 2.1
- **ERG-Code**: 10L
- **Shipping Description**: UN1950, AEROSOLS, FLAMMABLE 2.1 LTD QTY

**IMDG/IMO**
- **Proper Shipping Name**: Aerosols
- **Hazard Class**: 2
- **UN-No**: UN1950
- **EmS No.**: F-D, S-U
- **Description**: UN1950, AEROSOLS, 2.1, LTD QTY

### 15. REGULATORY INFORMATION

**Inventories**
- **TSCA**: Complies
- **DSL**: Complies
- **U.S. Federal Regulations**: SARA 313

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>SARA 313 - Threshold Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>95-63-6</td>
<td>0.1-1</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**SARA 311/312 Hazardous Categorization**
## 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Prepared By</th>
<th>Laura Strauss</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supercedes Date</td>
<td>10/22/2013</td>
</tr>
<tr>
<td>Issuing Date</td>
<td>01/12/2016</td>
</tr>
<tr>
<td>Reason for Revision</td>
<td>No information available.</td>
</tr>
<tr>
<td>Glossary</td>
<td>No information available.</td>
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<tr>
<td>List of References</td>
<td>No information available.</td>
</tr>
</tbody>
</table>

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