Safety Data Sheet CC-93 AEROSOL

Supercedes Date 10/22/2013 **Issuing Date** 01/12/2016

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.

42 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight % *
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	64742-52-5	15-40

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

Component	ACGIH TLV	OSHA PEL	NIOSH
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	TWA: 5 mg/m^3; STEL: 10 mg/m^3	TWA: 5 mg/m^3	No data available
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	5 mg/m^3 as oil mist	10 mg/m^3 as oil mist	No data available
Petrolatum	5 mg/m^3 as oil mist	10 mg/m^3 as oil mist	No data available
Isobutane	STEL: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 mg/m^3
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m^3	2100 ppm TWA: 1000 ppm TWA: 1800 mg/m^3
Polybutene	5 mg/m^3 as oil mist	10 mg/m^3 as oil mist	No data available
Stoddard solvent	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m^3	20000 mg/m^3 Ceiling: 1800 mg/m^3 TWA: 350 mg/m^3
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	TWA: 5 mg/m^3 STEL: 10 mg/m^3	TWA: 5 mg/m^3	No data available
Hexylene glycol	Ceiling: 25 ppm	No data available	Ceiling: 25 ppm Ceiling: 125 mg/m^3
1,2,4- Trimethylbenzene	TWA: 25 ppm	No data available	TWA: 25 ppm TWA: 125 mg/m^3

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

Physical state	liquid	**Viscosity**	Slight viscous
Color	Gray	**Odor**	Solvent
Odor Threshold	Not applicable	**Appearance**	Opaque
pH	Not applicable	**Specific Gravity**	0.857
Evaporation Rate	18.85 (Butyl acetate=1)	**Percent Volatile (Volume)**	23.7
VOC Content (%)	17.2	**VOC Content (g/L)**	147.4
Vapor Pressure	1762.54 mmHg @ 70°F	**Vapor Density**	1.4 (Air = 1.0)
Solubility	Negligible	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	No data available	**Flammability (solid, gas)**	No data available
Flash Point	201.2 °F / 94 °C	**Method**	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Mixture	**Upper:** 9.5 **Lower:** 0.9	

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

Gas No information available

Mist No information available

Vapor No information available

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 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.
Chronic Toxicity Repeated or prolonged exposure may cause central nervous system damage. Kidney injury may occur.
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

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable) 64742-52-5	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	no data available	no data available	no data available
Petrolatum 8009-03-8	no data available	= 3600 mg/kg (Rabbit)	no data available	no data available	no data available
Isobutane 75-28-5	no data available	no data available	= 658 mg/L (Rat) 4 h	no data available	no data available
Propane 74-98-6	no data available	no data available	= 658 mg/L (Rat) 4 h	no data available	no data available
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable) 64742-65-0	>5000 mg/kg (rat)	>5000 mg/kg (rabbit)	no data available	no data available	no data available
Hexylene glycol 107-41-5	= 3692 mg/kg (Rat)	no data available	> 310 mg/m^3 (Rat) 1 h	no data available	no data available
1,2,4- Trimethylbenzene 95-63-6	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m^3 (Rat) 4 h	no data available	no data available

Chronic Toxicity

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

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	No information available.	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	No information available.	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A
Isobutane	No information available.	No information available.	No information available	No information available.	2.88
Propane	No information available.	No information available.	No information available	No information available.	2.3
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	No information available.	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A

Hexylene glycol	No information available.	LC50 10500 - 11000 mg/L Pimephales promelas 96 h LC50 = 10000 mg/L Lepomis macrochirus 96 h LC50 = 8690 mg/L Pimephales promelas 96 h LC50 = 10700 mg/L Pimephales promelas 96 h	EC50 = 3038 mg/L 5 min	2700 - 3700: 48 h Daphnia magna mg/L EC50	0.13986
1,2,4- Trimethylbenzene	No information available.	LC50 7.19 - 8.28 mg/L Pimephales promelas 96 h LC50 = 7.72 mg/L Pimephales promelas 96 h	No information available	6.14: 48 h Daphnia magna mg/L EC50	3.63

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
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:

Component	CAS No.	Weight % *	SARA 313 - Threshold Values
1,2,4- Trimethylbenzene	95-63-6	0.1-1	1.0

SARA 311/312 Hazardous Categorization

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

CERCLA

16. OTHER INFORMATION

Prepared By	Laura Strauss
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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