SAFETY DATA SHEET FREE AEROSOL

Supercedes Date: 01/11/2023 **Issuing Date:** 08/22/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: FREE AEROSOL
Recommended use Lubricant
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code: 5C68
Chemical nature Solvent blend
Emergency Telephone
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Amber **Physical state** Liquid **Odor** Solvent
Appearance Transparent - Hazy

GHS
Classification

Physical Hazards

Flammable aerosols	Category 1
Gases under pressure	Compressed gas

Health Hazard

Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3
Aspiration hazard	Category 1

Hazards not otherwise classified (HNOC)
Not applied

Labeling
Signal word
Danger

Hazard statements
Extremely flammable aerosol
May cause drowsiness or dizziness
Causes serious eye irritation
May be fatal if swallowed and enters airways
Contains gas under pressure; may explode if heated

Precautionary statements
Keep away from heat, sparks, open flames or hot surfaces.
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use
Do not breathe vapor, gas or mist.
Use in a well-ventilated area.
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves, protective clothing and eye protection.
Do not eat, drink or smoke when using this product
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing Call a physician if unwell.
IF SWALLOWED: Immediately call a POISON CENTER or doctor Do NOT induce vomiting

Store in a well-ventilated place. Keep container tightly closed
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
Dispose of contents and container in accordance with applicable regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Petroleum distillates, hydrotreated light (<3% DMSO ; VP VP: 0.02)	64742-47-8	15-40
Ethyl acetate	141-78-6	10-30
Isobutane	75-28-5	3-7
Propane	74-98-6	3-7

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

4. FIRST AID MEASURES

General advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact No hazards which require special first aid measures.

Inhalation Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness. May cause redness and tearing of the eyes. Burning sensation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

5. FIRE-FIGHTING MEASURES

Flash Point > 81 °F / > 27 °C **Method** Seta closed cup
Flammability Limits in Air %: Solvent mixture. **Upper flammability limit:** 11.5 **Lower flammability limit:** 1.9
Suitable Extinguishing Media
Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical
Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: >24 inches / >61 cm and Burnback: 3 inch / 7.5 cm. Material can create slippery conditions.
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 hazards** 2	**Flammability** 4	**Stability** 0
HMIS	**Health hazards** 2	**Flammability** 4	**Physical Hazard** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. 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 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 Keep away from heat and sources of ignition. Avoid contact with skin, eyes and clothing. Do not breathe mist, vapor or gas.

Storage Keep away from open flames, hot surfaces and sources of ignition. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

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

Chemical name	CAL/OSHA PEL	ACGIH TLV	OSHA PEL	NIOSH
Petroleum distillates, hydrotreated light (<3% DMSO ; VP: 0.02)	No data available	525 mg/m^3 TWA	Not listed	Data lacking
Ethyl acetate	400 ppm	TWA: 400 ppm	TWA: 400 ppm TWA: 1400 mg/m^3	2000 ppm TWA: 400 ppm TWA: 1400 mg/m^3
Isobutane	No data available	STEL: 1000 ppm	No information available	TWA: 800 ppm TWA: 1900 mg/m^3
Propane	1000 ppm	Simple Asphyxiant. Significant quantities of component may displace oxygen, which is the limiting factor for exposure. See Appendix F of ACGIH Threshold Limit Values for Chemical Substances and Physical Agents for more information.	TWA: 1000 ppm TWA: 1800 mg/m^3	2100 ppm STEL 1250 ppm STEL 2250 mg/m^3 TWA: 1000 ppm TWA: 1800 mg/m^3

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

Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles.

Skin Protection Wear suitable protective clothing, Impervious gloves.

Respiratory Protection In case of insufficient ventilation wear suitable respiratory equipment. 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	**Kinematic viscosity**	No data available
Color	Amber	**Odor**	Solvent
Odor threshold	Not applicable	**Appearance**	Transparent - Hazy
pH	No information available	**Specific Gravity**	0.797
Evaporation Rate	19.12 (Butyl acetate=1)	**Percent Volatile (Volume)**	75.2
VOC content	41.90	**VOC Content (g/L)**	333.9
Product VP (mmHg @ 70°F)	1379.54	**Relative vapor density**	1.4
Solubility(ies)	Negligible	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition temperature**	No data available
Boiling Point/Range	> 160 °F / 71 °C	**Flammability (solid, gas)**	No data available
Flash Point	> 81 °F / > 27 °C	**Method**	Seta closed cup
Autoignition Temperature	No information available		
Flammability Limits in Air %:	Solvent mixture		

Upper flammability limit: 11.5 **Lower flammability limit:** 1.9

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, Reducing agents, Strong acids, Strong bases, Amines, Nitric acid.

Decomposition temperature No data available

Hazardous decomposition products Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Aldehydes, Ketones, Hydrocarbons.

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

ATEmix (oral) No information available
ATEmix (dermal) No information available
Inhalation LC50
ATEmix (inhalation-gas) No information available
ATEmix (inhalation-dust/mist) No information available
ATEmix (inhalation-vapor) No information available

Principle Route of Exposure Inhalation, Skin contact, Eye contact.
Primary Routes of Entry Skin contact, Skin Absorption.
Acute Effects:
Eyes Causes serious eye irritation.
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. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.
Chronic toxicity Repeated and prolonged exposure to solvents may cause brain and nervous system damage.
Target organ effects Central nervous system, Respiratory system, Skin, Eyes.
Aggravated Medical Conditions Respiratory system, Skin disorders, Neurological disorders.

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Others
Petroleum distillates, hydrotreated light (<3% DMSO ; VP: 0.02) 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h	No data available	No data available
Ethyl acetate 141-78-6	= 5620 mg/kg (Rat)	> 18000 mg/kg (Rabbit)	= 4000 ppm (Rat) 4 h	No data available	No data available
Isobutane 75-28-5	Data lacking	No information available	= 658 mg/L (Rat) 4 h	No data available	No data available
Propane 74-98-6	Data lacking	No information available	658 mg/L (Rat) 4h	No data available	No data available

Chronic Toxicity

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Petroleum distillates, hydrotreated light (<3% DMSO ; VP: 0.02) 64742-47-8	No data available	No data available	No data available	No data available	Eyes Skin Central Nervous System
Ethyl acetate 141-78-6	No data available	No data available	No data available	No data available	Skin Eyes Respiratory system
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 Respiratory system

Carcinogenicity There are no known carcinogenic substances in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available

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

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to microorganisms	Crustacea	Partition coefficient
Petroleum distillates, hydrotreated	No information available	LC50 = 2.2 mg/L Lepomis	No information available	No information available	-

light (<3% DMSO ; VP: 0.02)		macrochirus 96 h LC50 = 2.4 mg/L Oncorhynchus mykiss 96 h LC50 = 45 mg/L Pimephales promelas 96 h			
Ethyl acetate	No information available	LC50 220 - 250 mg/L Pimephales promelas 96 h LC50 352 - 500 mg/L Oncorhynchus mykiss 96 h LC50 = 484 mg/L Oncorhynchus mykiss 96 h	EC50 = 1180 mg/L 5 min EC50 = 1500 mg/L 15 min EC50 = 5870 mg/L 15 min EC50 = 7400 mg/L 2 h	560: 48 h Daphnia mag magna mg/L EC50 Static	0.6
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

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
- **Transport hazard class(es)** ORM-D
- **Description** Consumer Commodity, ORM-D

TDG
- **UN proper shipping name** Consumer Commodity
- **Transport hazard class(es)** ORM-D
- **UN number or ID number** UN1950
- **Description** Consumer Commodity, ORM-D

ICAO (air)
- **UN number or ID number** UN1950
- **UN proper shipping name** Aerosols, flammable
- **Transport hazard class(es)** 2.1
- **Description** UN1950, Aerosols, flammable, 2.1, LTD QTY

IATA
- **UN number or ID number** UN1950
- **UN proper shipping name** Aerosols, flammable
- **Transport hazard class(es)** 2.1
- **ERG-Code** 126
- **Description** UN1950,Aerosols,flammable,2.1, LTD QTY

IMDG
- **UN proper shipping name** Aerosols, flammable
- **Transport hazard class(es)** 2.1
- **UN number or ID number** UN1950
- **EmS-No** F-A, S-A
- **Description** UN1950, Aerosols, flammable,2.1,LTD QTY

15. REGULATORY INFORMATION

Inventories
TSCA Listed
DSL/NDSL Listed
US 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 Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications

CERCLA This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Ethyl acetate	5000 lb	-

16. OTHER INFORMATION

Prepared By Adrienne McKee
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Revision Note No information available
Glossary No information available
List of References. No information available

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