

SAFETY DATA SHEET FREE AEROSOL

Supersedes Date: 08/22/2023

Issuing Date: 04/25/2024

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
Appearance Transparent - Hazy

Physical state Liquid

Odor Solvent

GHS

Classification

Physical Hazards

Flammable aerosols
Gases under pressure

Category 1
Compressed gas

Health Hazard

Serious eye damage/eye irritation
Specific target organ toxicity (single exposure)
Aspiration hazard

Category 2A
Category 3
Category 1

Hazards not otherwise classified (HNOC)

Not applicable

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 eye irritation persists: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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: 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, 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.
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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.
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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
HMIS	Health hazards 2	Flammability 4
		Stability 0
		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	No data available
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 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)	1362.3	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
Initial boiling point and boiling 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 (NO_x), 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**Target organ effects****Aggravated Medical Conditions**

Repeated and prolonged exposure to solvents may cause brain and nervous system damage.

Central nervous system, Respiratory system, Skin, Eyes.

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	No data available	No information available	= 658 mg/L (Rat) 4 h	No data available	No data available
Propane 74-98-6	No data available	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
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 light (<3% DMSO ; VP: 0.02)	No information available	LC50 = 2.2 mg/L <i>Lepomis macrochirus</i> 96 h LC50 = 2.4 mg/L <i>Oncorhynchus mykiss</i> 96 h LC50 = 45 mg/L <i>Pimephales promelas</i> 96 h	No information available	No information available	-
Ethyl acetate	No information available	LC50 220 - 250 mg/L <i>Pimephales promelas</i> 96 h LC50 352 - 500 mg/L <i>Oncorhynchus mykiss</i> 96 h LC50 = 484 mg/L <i>Oncorhynchus mykiss</i> 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 <i>Daphnia magna</i> 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 AEROSOLS, FLAMMABLE
Transport hazard class(es) 2.1
Description UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY

TDG

UN proper shipping name AEROSOLS, FLAMMABLE
Transport hazard class(es) 2.1
UN number or ID number UN1950
Description UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY

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
Description UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY

IMDG

UN proper shipping name AEROSOLS
Transport hazard class(es) 2
UN number or ID number UN1950
Description UN1950, AEROSOLS, 2.1, LTD QTY

15. REGULATORY INFORMATION**Inventories**

TSCA Listed
DSL/NDL 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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