

Safety Data Sheet: FREE AEROSOL

Supersedes Date: 03/04/2016

Issuing Date: 05/19/2022

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: 12061187
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

GHS

Classification

Physical Hazards

Flammable Aerosols
Gases under pressure

Category 1
Compressed Gas

Health Hazard

Aspiration Toxicity
Serious Eye Damage/Eye Irritation
Specific target organ systemic toxicity (single exposure)
Specific target organ toxicity (repeated exposure)

Category 1
Category 2B
Category 3
Category 2

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H304 - May be fatal if swallowed and enters airways
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
H340 - May cause genetic defects
H350 - May cause cancer
H373 - May cause damage to organs through prolonged or repeated exposure
H412 - Harmful to aquatic life with long lasting effects

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
P233 - Keep container tightly closed.
P251 - Pressurized container: Do not pierce or burn, even after use
P260 - Do not breathe vapor, mist or gas
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product
P271 - Use in a well-ventilated area.
P312 - Call a physician if unwell.
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists, get medical attention.
P403 - Store in a well-ventilated place
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents and container in accordance with applicable regulations

20 % of the mixture consists of ingredient(s) of unknown toxicity.

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 | Avoid breathing vapors, mist, or gas. Avoid contact with skin, eyes and clothing. |
| Eye Contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately. |
| Skin Contact | Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. |
| 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 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 > 81 °F / > 27 °C | Method Setta closed cup | Lower: 1.9 |
| Flammability Limits in Air %: Solvent mixture. | Upper: 11.5 | |
| Suitable Extinguishing Media | | |
| Water spray. Carbon dioxide (CO ₂). 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 2 | Flammability 4 |
| HMS - | Health 2 | Flammability 4 |
| | | Instability 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 breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing. |
| 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 |
| Storage Conditions | Maximum 120 °F / 49 °C |
| | 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 | No data available | 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 |

| | | | | |
|-----------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Isobutane | No data available | STEL: 1000 ppm | No data available | TWA: 1400 mg/m ³ 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

Safety glasses with side-shields.

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 | Viscosity | Non viscous |
| Color | Amber | Odor | Solvent |
| Odor Threshold | Not applicable | Appearance | Transparent - Hazy |
| pH | Not applicable | 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 |
| Vapor pressure | 1546.78 mmHg @ 70 °F | Vapor Density | 1.4 |
| Solubility | 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: 11.5 Lower: 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

| | |
|------------------------|--------------------------|
| Oral LD50 | No information available |
| Dermal LD50 | No information available |
| Inhalation LC50 | |
| Gas | No information available |
| Mist | No information available |
| 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 eye irritation. |
| Skin | Repeated exposure may cause skin dryness or cracking. |
| 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.
 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.

Chronic Toxicity

Target Organ Effects:

Aggravated Medical Conditions

Component Information

Acute Toxicity

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 | Draize Test | Other |
|----------------------------------------------------------------------------|----------------------|--------------------------|------------------------|-------------------|-------------------|
| 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 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) 4h | No data available | No data available |

| Chemical name | Mutagenicity | Sensitization | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|------------------------|-------------------|-------------------|------------------------|-----------------------|--------------------------------------------|
| 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 carcinogens in this product.

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Additional Ecological Information: No information available

Component Information

| Chemical name | Toxicity to Algae | Toxicity to Fish | Microtox | Crustacea | Partition coefficient |
|-----------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------|
| Petroleum distillates, hydrotreated light (<3% DMSO ; VP: 0.02) | No information available. | LC50 = 2.2 mg/L Lepomis macrochirus 96 h LC50 = 2.4 mg/L Oncorhynchus mykiss 96 h LC50 = 45 mg/L Pimephales promelas 96 h | No information available | No information available. | N/A |
| 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 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
 Hazard Class

Consumer Commodity
 ORM-D

Description Consumer Commodity, ORM-D

TDG

Proper shipping name Consumer Commodity
Hazard Class ORM-D
UN-No UN1950
Description Consumer Commodity, ORM-D

ICAO

UN-No UN1950
Proper Shipping Name Aerosols, flammable
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 126
Shipping Description UN1950, Aerosols, flammable, 2.1, LTD QTY

IMDG/IMO

UN proper shipping name Aerosols, flammable
Hazard Class 2.1
UN 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

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

SARA 311/312 Hazardous Categorization

See Section 2

CERCLA

| Chemical name | Hazardous Substances RQs | CERCLA EHS RQs |
|---------------|--------------------------|----------------|
| Ethyl acetate | 5000 lb | Not applicable |

16. OTHER INFORMATION

Prepared By Kim Franklin
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Issuing Date: 05/19/2022
Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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