

# SAFETY DATA SHEET FREE AEROSOL

Supersedes 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  
**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 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: 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

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.                                                                                                                                                                                                                                                                                                                         |
| <b>Eye contact</b>                        | 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.                                                                                                                                       |
| <b>Skin contact</b>                       | No hazards which require special first aid measures.                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Inhalation</b>                         | 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.                             |
| <b>Ingestion</b>                          | 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.                                                                                                                                             |
| <b>Self-protection of the first aider</b> | 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

|                 |                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms</b> | 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

|                           |                                                                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Note to physicians</b> | 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

|                                                                                                                                                                                                              |                                       |                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|
| <b>Flash Point</b> > 81 °F / > 27 °C                                                                                                                                                                         | <b>Method</b> Seta closed cup         |                                      |
| <b>Flammability Limits in Air %:</b> Solvent mixture.                                                                                                                                                        | <b>Upper flammability limit:</b> 11.5 | <b>Lower flammability limit:</b> 1.9 |
| <b>Suitable Extinguishing Media</b>                                                                                                                                                                          |                                       |                                      |
| Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                               |                                       |                                      |
| <b>Specific hazards arising from the chemical</b>                                                                                                                                                            |                                       |                                      |
| 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. |                                       |                                      |
| <b>Protective Equipment and Precautions for Firefighters</b>                                                                                                                                                 |                                       |                                      |
| As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.                                                                            |                                       |                                      |
| <b>Aerosol Level (NFPA 30B) -</b>                                                                                                                                                                            | 3                                     |                                      |
| <b>NFPA</b>                                                                                                                                                                                                  | <b>Health hazards</b> 2               | <b>Flammability</b> 4                |
| <b>HMIS</b>                                                                                                                                                                                                  | <b>Health hazards</b> 2               | <b>Stability</b> 0                   |
|                                                                                                                                                                                                              |                                       | <b>Flammability</b> 4                |
|                                                                                                                                                                                                              |                                       | <b>Physical Hazard</b> 0             |

### 6. ACCIDENTAL RELEASE MEASURES

|                                  |                                                                                                                                                                                                                             |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal Precautions</b>      | 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.                              |
| <b>Environmental precautions</b> | Do not flush into surface water or sanitary sewer system.                                                                                                                                                                   |
| <b>Methods for Containment</b>   | 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). |
| <b>Methods for Cleaning Up</b>   | 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 <sup>3</sup> TWA                                                                                                                                                                                                               | Not listed                                   | Data lacking                                                                                             |
| Ethyl acetate                                                   | 400 ppm           | TWA: 400 ppm                                                                                                                                                                                                                            | TWA: 400 ppm<br>TWA: 1400 mg/m <sup>3</sup>  | 2000 ppm<br>TWA: 400 ppm<br>TWA: 1400 mg/m <sup>3</sup>                                                  |
| Isobutane                                                       | No data available | STEL: 1000 ppm                                                                                                                                                                                                                          | No information available                     | TWA: 800 ppm<br>TWA: 1900 mg/m <sup>3</sup>                                                              |
| 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<br>TWA: 1800 mg/m <sup>3</sup> | 2100 ppm<br>STEL 1250 ppm<br>STEL 2250 mg/m <sup>3</sup><br>TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup> |

**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

|                                      |                          |                                                                            |                    |
|--------------------------------------|--------------------------|----------------------------------------------------------------------------|--------------------|
| <b>Physical state</b>                | Liquid                   | <b>Kinematic viscosity</b>                                                 | No data available  |
| <b>Color</b>                         | Amber                    | <b>Odor</b>                                                                | Solvent            |
| <b>Odor threshold</b>                | Not applicable           | <b>Appearance</b>                                                          | Transparent - Hazy |
| <b>pH</b>                            | No information available | <b>Specific Gravity</b>                                                    | 0.797              |
| <b>Evaporation Rate</b>              | 19.12 (Butyl acetate=1)  | <b>Percent Volatile (Volume)</b>                                           | 75.2               |
| <b>VOC content</b>                   | 41.90                    | <b>VOC Content (g/L)</b>                                                   | 333.9              |
| <b>Product VP (mmHg @ 70°F)</b>      | 1379.54                  | <b>Relative vapor density</b>                                              | 1.4                |
| <b>Solubility(ies)</b>               | Negligible               | <b>n-Octanol/Water Partition</b>                                           | No data available  |
| <b>Melting Point/Range</b>           | No data available        | <b>Decomposition temperature</b>                                           | No data available  |
| <b>Boiling Point/Range</b>           | > 160 °F / 71 °C         | <b>Flammability (solid, gas)</b>                                           | No data available  |
| <b>Flash Point</b>                   | > 81 °F / > 27 °C        | <b>Method</b>                                                              | Seta closed cup    |
| <b>Autoignition Temperature</b>      | No information available |                                                                            |                    |
| <b>Flammability Limits in Air %:</b> | Solvent mixture          | <b>Upper flammability limit:</b> 11.5 <b>Lower flammability limit:</b> 1.9 |                    |

## 10. STABILITY AND REACTIVITY

**Chemical Stability**  
**Conditions to Avoid**  
**Incompatible Products**

Stable. Hazardous polymerization does not occur.  
Keep away from open flames, hot surfaces, and sources of ignition.  
Strong oxidizing agents, Reducing agents, Strong acids, Strong bases, Amines, Nitric acid.

**Decomposition temperature**  
**Hazardous decomposition products**

No data available  
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<br>Skin<br>Central Nervous System       |
| Ethyl acetate 141-78-6                                                     | No data available | No data available | No data available      | No data available     | Skin<br>Eyes<br>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<br>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<br>LC50 = 2.4 mg/L Oncorhynchus mykiss 96 h<br>LC50 = 45 mg/L Pimephales promelas 96 h                                  |                                                                                                      |                                          |      |
| Ethyl acetate               | No information available | LC50 220 - 250 mg/L Pimephales promelas 96 h<br>LC50 352 - 500 mg/L Oncorhynchus mykiss 96 h<br>LC50 = 484 mg/L Oncorhynchus mykiss 96 h | EC50 = 1180 mg/L 5 min<br>EC50 = 1500 mg/L 15 min<br>EC50 = 5870 mg/L 15 min<br>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**

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/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  
**Supersedes Date:** 01/11/2023  
**Issuing Date:** 08/22/2023  
**Revision Note** No information available  
**Glossary** No information available  
**List of References.** No information available

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