

Safety Data Sheet: FREE AEROSOL

Supersedes Date: 03/04/2016

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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

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 Seta closed cup	
Flammability Limits in Air %: Solvent mixture.	Upper: 11.5	Lower: 1.9
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
HMIS -	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

Chronic Toxicity
Target Organ Effects:
Aggravated Medical Conditions
Component Information

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.

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 <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.	N/A
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
Container Disposal

Dispose of in accordance with local regulations.
 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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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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