Safety Data Sheet FREE

Supercedes Date 12/20/2013 **Issuing Date** 02/15/2017

1. PRODUCT AND COMPANY IDENTIFICATION

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

Product Code C001
Chemical nature Solvent blend
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Amber **Physical state** Liquid **Odor** Solvent

GHS Classification

Physical Hazards

Flammable liquids	Category 1

Health Hazard

Aspiration Toxicity	Category 1
Acute Dermal Toxicity	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific target organ systemic toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2

Other hazards
None

Labeling
Signal Word
DANGER

Hazard statements
H225 - Highly flammable liquid and vapor
H332 - Harmful if inhaled
H336 - May cause drowsiness or dizziness
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H304 - May be fatal if swallowed and enters airways
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P270 - Do not eat, drink or smoke when using this product.
P260 - Do not breathe vapor or mist
P271 - Use in a well-ventilated area.
P280 - Wear protective gloves, protective clothing and eye protection.
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a physician if unwell.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P332 + P313 - If skin irritation occurs, get medical attention.
P362 - Take off contaminated clothing and wash before reuse.
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.
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents and container in accordance with applicable local regulations.

28 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
Petroleum distillates, hydrotreated light	64742-47-8	30-60
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	64742-53-6	7-13
Ethyl acetate	141-78-6	10-30
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	5-10
Sodium sulfonate	68608-26-4	5-10
Nonane	111-84-2	1-5

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

4. FIRST AID MEASURES

General advice Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

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 69.8 °F / 21 °C **Method** Seta closed cup

Flammability Limits in Air %: Solvent mixture. **Upper:** 11.5 **Lower:** 0.6

Suitable Extinguishing Media

Foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

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.

NFPA **Health** 2 **Flammability** 3 **Instability** 0

HMIS **Health** 2 **Flammability** 3 **Instability** 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.

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 Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Storage Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place.

Storage Temperature **Minimum** 40 °F / 4 °C **Maximum** 120 °F / 49 °C

Storage Conditions **Indoor** X **Outdoor** X **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Petroleum distillates, hydrotreated light	525 mg/m^3 TWA	No data available	No data available
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	5 mg/m^3 as oil mist	10 mg/m^3 as oil mist	No data available

Ethyl acetate	TWA: 400 ppm	TWA: 400 ppm TWA: 1400 mg/m^3	2000 ppm TWA: 400 ppm TWA: 1400 mg/m^3
Nonane	TWA: 200 ppm	No data available	TWA: 200 ppm TWA: 1050 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 inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations Wear protective gloves/clothing. 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
pH	Not applicable	**Specific Gravity**	0.84
Evaporation Rate	0.3 (Butyl acetate=1)	**Percent Volatile (Volume)**	0
VOC Content (%)	36.2	**VOC Photoreactive (Y/N)**	Yes
VOC Content (g/L)	0	**Vapor Pressure**	8.4 mmHg @ 70°F
Vapor Density	3.2	**Solubility**	Negligible
n-Octanol/Water Partition	No data available	**Melting Point/Range**	No data available
Decomposition Temperature	No data available	**Boiling Point/Range**	203 °F / 95 °C
Flammability (solid, gas)	No data available		
Flash Point	69.8 °F / 21 °C	**Method**	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Solvent mixture	**Upper:** 11.5 **Lower:** 0.6	

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.

Conditions to Avoid None known.

Incompatible Products Strong oxidizing agents, Strong acids, Strong bases, Amines.

Decomposition Temperature No data available

Hazardous Decomposition Products Carbon oxides, Sulfur oxides, Sodium oxides.

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 Skin contact, Eye contact.

Primary Routes of Entry Skin contact, Ingestion, Skin Absorption.

Acute Effects:

Eyes Severe eye irritant.

Skin Causes skin irritation. May be absorbed through the skin in harmful amounts. 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 irritation to mucous membranes. Aspiration hazard if swallowed - can enter lungs and cause damage.

Chronic Toxicity Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Liver and kidney injuries may occur. Blood disorder may occur after prolonged inhalation.

Target Organ Effects Liver, Central nervous system, Cardiovascular system, Kidney, Eyes, Skin, Respiratory system.

Aggravated Medical Conditions Skin disorders, Respiratory system, Liver disorders, Kidney disorders, Blood disorders, Neurological disorders.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Petroleum distillates, hydrotreated light 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	no data available	No data available	No data available
Ethyl acetate 141-78-6	= 5620 mg/kg (Rat)	> 18000 mg/kg (Rabbit)	No data available	No data available	No data available
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	> 5000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h	No data available	No data available
Nonane 111-84-2	No data available	no data available	= 3200 ppm (Rat) 4 h	No data available	No data available

Component	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
Nonane 111-84-2	No data available	No data available	No data available	No data available	Skin; Central nervous system; Eyes; Respiratory system

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficien
Petroleum distillates, hydrotreated light	No information available.	LC50 = 45 mg/L Pimephales promelas 96 h LC50 = 2.2 mg/L Lepomis macrochirus 96 h LC50 = 2.4 mg/L Oncorhynchus mykiss 96 h	No information available	No information available.	N/A
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	No information available.	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A
Ethyl acetate	No information available.	LC50 220 - 250 mg/L Pimephales promelas 96 h LC50 = 484 mg/L Oncorhynchus mykiss 96 h LC50 352 - 500 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
Solvent naphtha (petroleum), medium aliphatic	EC50 = 450 mg/L Pseudokirchneriella subcapitata 96 h	LC50 = 800 mg/L Pimephales promelas 96 h	No information available	100: 48 h Daphnia magna mg/L EC50	N/A

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 Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Flammable liquids, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group II
Description UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM DISTILLATES, ETHYL ACETATE), 3, PG II

TDG

Proper shipping name Flammable liquid, n.o.s.
Hazard Class 3
UN-No UN1993

Packing Group	II
Description	UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM DISTILLATES, ETHYL ACETATE), 3, PG II

ICAO

UN-No	UN1993
Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
Packing Group	II
Shipping Description	UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM DISTILLATES, ETHYL ACETATE), 3, PG II

IATA

UN-No	UN1993
Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
Packing Group	II
ERG-Code	3L
Shipping Description	UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM DISTILLATES, ETHYL ACETATE), 3, PG II

IMDG/IMO

Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
UN-No	UN1993
Packing Group	II
EmS No.	F-E, _S-E_
Description	UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM DISTILLATES, ETHYL ACETATE), 3, PG II

15. REGULATORY INFORMATION

Inventories

TSCA	Complies
DSL	Complies

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

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Ethyl acetate	5000 lb	Not applicable

16. OTHER INFORMATION

Prepared By	Angela Hutson
Supercedes Date	12/20/2013
Issuing Date	02/15/2017
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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