

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name FREE
Product Code T240
Information on Manufacturer
 CERTIFIED LABS, DIV. OF NCH CORP.
 BOX 152170
 IRVING, TEXAS 75015

Recommended Use Solvent mixture
Chemical Nature Solvent blend
Emergency Telephone Number
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
 Warning
 Flammable liquid and vapor
 May be harmful if inhaled
 Causes skin irritation
 Severe eye irritation
 Harmful or fatal if swallowed

Color Colorless **Physical State** Liquid **Odor** Solvent
Potential Health Effects
Principle Route of Exposure Skin contact, Eye contact.
Primary Routes of Entry Inhalation, Ingestion, Skin Absorption.
Acute Effects
Eyes Severe eye irritant.
Skin Irritating to skin. 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. 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 Effects 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 Central nervous system, Heart, Liver, Lungs, Kidney, Bone Marrow, Cardiovascular system, Blood.
Aggravated Medical Conditions Skin disorders. Respiratory system. Liver disorders. Kidney disorders. Blood disorders.
Potential Environmental Effects See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Ethylacetate	141-78-6
Petroleum distillates, hydrotreated light	64742-47-8
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	64742-52-5
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	64742-53-6
Sodium sulfonate	68608-26-4

4. FIRST AID MEASURES

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 Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.
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.

5. FIRE-FIGHTING MEASURES

Flash Point 80°F / 27°C **Method** Seta closed cup
Autoignition Temperature No information available
Flammability Limits in Air % Solvent mixture **Upper** 11.5 **Lower** 0.5
Suitable Extinguishing Media
 Foam. Carbon dioxide (CO2). Dry chemical. Water spray.
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, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	Health	2	Flammability	3	Instability	0
HMS	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 Pick up and transfer to properly labelled containers.

Neutralizing Agent Not applicable

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
Storage Keep container tightly closed. Keep out of the reach of children. 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
Ethylacetate	TWA: 400 ppm	TWA: 1400 mg/m ³ TWA: 400 ppm	IDLH: 2000 ppm TWA: 400 ppm TWA: 1400 mg/m ³
Petroleum distillates, hydrotreated light	No data available	no data available	no data available
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	No data available	no data available	no data available
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	No data available	no data available	no data available
Sodium sulfonate	No data available	no data available	no data available

Engineering Measures

Use with local exhaust ventilation.

Personal Protective Equipment

Eye/Face Protection

Goggles.

Skin Protection

Neoprene gloves.

Respiratory Protection

Use NIOSH approved respiratory protection.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Wear protective gloves/clothing. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Non viscous
Color	Colorless	Odor	Solvent
Appearance	Transparent	pH	Not applicable
Specific Gravity	0.84	Bulk Density	No data available
Evaporation Rate	0.44 (Butyl acetate=1)	Percent Volatile (Volume)	71.2
VOC Content (%)	35.4	VOC Photoreactive (Y/N)	Yes
VOC Max Use Dilution (g/l)	294.9	VOC Max Use Dilution (wt%)	35.4
VOC Content (g/l)	294.9	Vapor Pressure	10.4 mmHg @ 70 °F
Vapor Density	3.7	Solubility	Negligible
Boiling Point/Range	203°F / 95°C		

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions

Conditions to Avoid

Heat, flames, and sparks

Incompatible Products

Strong oxidizing agents. Strong acids. Strong bases. Bromine. Nitric acid. Amines.

Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides. Sodium oxides. Fumes of sodium..

Possibility of Hazardous Reactions

Aldehydes .

None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information No information available

Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Ethylacetate	5620 mg/kg (Rat)	18000 mg/kg (Rabbit) 20 mL/kg (Rabbit)	no data available	no data available	no data available
Petroleum distillates, hydrotreated light	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	5.2 mg/L (Rat) 4 h	no data available	no data available
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h	no data available	no data available
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h	no data available	no data available
Sodium sulfonate	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Ethylacetate	no data available	no data available	no data available	no data available	eyes, skin, respiratory system, blood
Petroleum distillates, hydrotreated light	no data available	no data available	no data available	no data available	CNS, cardiovascular system
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	no data available
Sodium sulfonate	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

There are no known carcinogenic chemicals in this product

Component	ACGIH	IARC
Ethylacetate	not applicable	not applicable
Petroleum distillates, hydrotreated light	not applicable	not applicable
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	not applicable	not applicable

Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	not applicable	not applicable
Sodium sulfonate	not applicable	not applicable

Component	NTP	OSHA	Other
Ethylacetate	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated light	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	not applicable	not applicable	not applicable
Sodium sulfonate	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Ethylacetate	EC50= 3300 mg/L Scenedesmus subspicatus 48 h	LC50= 230 mg/L Pimephales promelas 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	EC50 = 717 mg/L 48 h	0.6
Petroleum distillates, hydrotreated light	no data available	LC50= 1740 mg/L Lepomis macrochirus 96 h LC50= 45 mg/L Pimephales promelas 96 h	no data available	LC50 = 4720 mg/L 96 h	N/A
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	LC50> 5000 mg/L Pimephales promelas 96 h	no data available	EC50 > 1000 mg/L 48 h	N/A
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	no data available	LC50> 5000 mg/L Pimephales promelas 96 h	no data available	EC50 > 1000 mg/L 48 h	N/A
Sodium sulfonate	no data available	no data available	no data available	no data available	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 Do not re-use empty containers

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Flammable liquids, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group III
Description Flammable liquids, n.o.s.(Aliphatic Petroleum Distillates),3,UN1993,PG III

TDG

Proper shipping name Flammable liquid, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group III
Description FLAMMABLE LIQUID, N.O.S.(Aliphatic Petroleum Distillates),3,UN1993,PG III

ICAO

UN-No UN1993
Proper Shipping Name Flammable liquid, n.o.s.*
Hazard Class 3
Packing Group III
Shipping Description Flammable liquid, n.o.s.*(Aliphatic Petroleum Distillates),3,UN1993,PG III

IATA

UN-No UN1993
Proper Shipping Name Flammable liquid, n.o.s.*
Hazard Class 3
Packing Group III
ERG Code 3L
Shipping Description UN1993,Flammable liquid, n.o.s.*(Aliphatic Petroleum Distillates),3,PG III

IMDG/IMO

Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group III
EmS No. F-E, _S-E_
Shipping Description UN1993, Flammable liquid, n.o.s.(Aliphatic Petroleum Distillates),3,PG III

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 40n 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
Ethylacetate	5000 lb	Not applicable
Petroleum distillates, hydrotreated light	Not applicable	Not applicable
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	Not applicable	Not applicable
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	Not applicable	Not applicable
Sodium sulfonate	Not applicable	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B2 Flammable liquid, D2B Toxic materials .



16. OTHER INFORMATION

Prepared By	Dan Hollas
Supersedes Date	11/29/2007
Issuing Date	10/23/2008
Reason for Revision	No information available
Glossary	No information available
List of References	No information available

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