

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name EZE-WAY PLUS AEROSOL
Recommended Use Lubricant
Information on Manufacturer
 CHEMSEARCH DIV. OF NCH CORP.
 BOX 152170
 IRVING, TX 75015

Product Code 5622
Chemical Nature Petroleum distillates and Solvent mixture
Emergency Telephone Number
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

Danger
 Harmful if inhaled
 Causes skin irritation
 May cause allergic skin reaction
 Severe eye irritation
 May be harmful if absorbed through skin
 Harmful or fatal if swallowed
 Contents under pressure

Color Yellow - Amber	Physical State Aerosol	Odor Ether-like
Potential Health Effects		
Principle Route of Exposure	Skin contact, Eye contact, Inhalation.	
Primary Routes of Entry	Inhalation, Skin Absorption.	
Acute Effects		
Eyes	Severe eye irritant. May cause irreversible eye damage.	
Skin	Causes skin irritation. May be absorbed through the skin in harmful amounts. Also very toxic in contact with skin. May cause allergic skin reaction.	
Inhalation	Harmful by inhalation. Inhalation may cause central nervous system effects. May cause drowsiness and dizziness. Irregular cardiac activity. Inhalation of vapors in high concentration can cause narcotic effects and metabolic acidosis .	
Ingestion	Harmful or fatal if swallowed. Causes headache, drowsiness or other effects to the central nervous system. Aspiration hazard if swallowed - can enter lungs and cause damage.	
Chronic Effects	May cause sensitization by skin contact. Risk of serious damage to the lungs (by inhalation). Liver injury may occur. Prolonged or repeated skin contact with liquid may cause defatting resulting in drying, redness and possible blistering. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood.	
Target Organ Effects	Central nervous system, Cardiovascular system, Respiratory system, Liver, Lungs, Skin, Eyes, Blood, Heart, Kidney, Bone Marrow.	
Aggravated Medical Conditions	Neurological disorders. Respiratory disorders. Cardiovascular. Liver disorders. Skin disorders. Blood disorders. Kidney disorders. Heart disease.	
Potential Environmental Effects	See Section 12 for additional Ecological information	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Carbon Dioxide	124-38-9
Ethylacetate	141-78-6
Petroleum distillates, hydrotreated light	64742-47-8
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	64742-52-5
Sodium sulfonate	68608-26-4
Methylene chloride	75-09-2
Propylene oxide	75-56-9

4. FIRST AID MEASURES

General Advice	Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray .
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. 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 symptoms occur. Wash contaminated clothing before re-use.
Inhalation	Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.
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 cause cardiac arrhythmia. Acidosis.

5. FIRE-FIGHTING MEASURES

Flash Point	> 201°F / > 94°C	Method	Seta closed cup
Autoignition Temperature	No information available		
Flammability Limits in Air Mixture		Upper 23	Lower 0.8
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO2). Dry chemical. Foam.		
Specific Hazards Arising from the Chemical	Solvent vapors are heavier than air and may spread along floors . Vapors may ignite and explode. Material can create slippery conditions. Flame extension: 0 inches / 0 cm and Burnback: 0 inches / 0 cm .		
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.		

Aerosol Level (NFPA 30B) -		1					
NFPA	Health	2	Flammability	1	Instability	0	
HMIS	Health	2	Flammability	1	Instability	0	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation. Material can create slippery conditions.
Environmental Precautions	Prevent product from contaminating soil or from entering sewage, drainage systems, and bodies of water . 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	Do not get in eyes, on skin, or on clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist .			
Storage	Keep container tightly closed in a dry 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

Component	ACGIH TLV	OSHA PEL	NIOSH
Carbon Dioxide	TWA: 5000 ppm STEL: 30000 ppm	TWA: 5000 ppm TWA: 9000 mg/m ³	IDLH: 40000 ppm STEL 54000 mg/m ³ STEL 30000 ppm TWA: 5000 ppm TWA: 9000 mg/m ³
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
Sodium sulfonate	No data available	no data available	no data available
Methylene chloride	TWA: 50 ppm	TWA: 25 ppm STEL: 125 ppm	IDLH: 2300 ppm
Propylene oxide	TWA: 2 ppm	TWA: 100 ppm TWA: 240 mg/m ³	IDLH: 400 ppm

Engineering Measures	Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/Face Protection	Tightly fitting safety goggles.
Skin Protection	Impervious gloves.
Respiratory Protection	Use NIOSH approved respiratory protection.
General Hygiene Considerations	Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use. Wear protective gloves/clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Aerosol	Viscosity	Non viscous
Color	Yellow - Amber	Odor	Ether-like
Appearance	Transparent	pH	Not applicable
Specific Gravity	1.20	Bulk Density	7.33
Evaporation Rate	131.7 (Butyl acetate=1)	Percent Volatile (Volume)	91.7
VOC Content (%)	6.8	VOC Content (g/l)	59.4
Vapor Pressure	4928.5 mmHg @ 70 °F	Vapor Density	1.6
Solubility	Negligible	Boiling Point/Range	No data available 107°F / 42°C

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions. Hazardous polymerization does not occur .
Conditions to Avoid	Heat, flames, and sparks.
Incompatible Products	Strong oxidizing agents. Strong acids. Strong bases. Amines.
Hazardous Decomposition Products	Carbon oxides. Nitrogen oxides (NOx). Chlorine gas.. Hydrogen chloride gas. Aldehydes . Ketones.
Possibility of Hazardous Reactions	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
Carbon Dioxide	no data available	no data available	no data available	no data available	no data available
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
Sodium sulfonate	no data available	no data available	no data available	no data available	no data available
Methylene chloride	2000 mg/kg (Rat)	no data available	76000 mg/m ³ (Rat) 4 h	no data available	no data available
Propylene oxide	520 mg/kg (Rat)	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Carbon Dioxide	no data available	no data available	no data available	no data available	respiratory system, CVS
Ethylacetate	no data available	no data available	no data available	no data available	eyes, skin, respiratory system
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
Sodium sulfonate	no data available	no data available	no data available	no data available	no data available
Methylene chloride	X	Cardiovascular	X	Female reproductive toxin.	skin, CVS, eyes, CNS (in animals: lung, liver, salivary and mammary gland tumors), Blood, Heart, Kidney
Propylene oxide	no data available	X	no data available	no data available	Bone marrow, eyes, skin, respiratory system (in animals: nasal tumors)

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Carbon Dioxide	not applicable	not applicable	not applicable	not applicable	not applicable
Ethylacetate	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated light	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium sulfonate	not applicable	not applicable	not applicable	not applicable	not applicable
Methylene chloride	A3	Group 2B	Reasonably Anticipated	X	not applicable
Propylene oxide	A3	Group 2B	Reasonably Anticipated	X	not applicable

12. ECOLOGICAL INFORMATION**Product Information**

No information available

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Carbon Dioxide	no data available	no data available	no data available	no data available	N/A
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
Sodium sulfonate	no data available	no data available	no data available	no data available	N/A
Methylene chloride	EC50= 660 mg/L Selenastrum capricornutum 96 h	LC50= 10.95 mg/L Oncorhynchus mykiss 96 h LC50= 193 mg/L Lepomis macrochirus 96 h LC50= 193 mg/L Pimephales promelas 96 h LC50= 310 mg/L Pimephales promelas 96 h	EC50 = 1 mg/L 24 h EC50 = 2.88 mg/L 15 min	EC50 = 140 mg/L 48 h	1.25
Propylene oxide	EC50= 240 mg/L Selenastrum capricornutum 96 h	LC50= 215 mg/L Lepomis macrochirus 96 h	EC50 = 3300 mg/L 160 min	EC50 = 350 mg/L 48 h	0.08

Persistence and Degradability

No information available

Bioaccumulation

No information available

Mobility

No information available

13. DISPOSAL CONSIDERATIONS**Product Disposal**

Dispose of as hazardous waste in compliance with local and national regulations

Container Disposal

Warning! Container under pressure Do not puncture. Empty remaining contents Do not re-use empty containers Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name
Hazard Class
Description

DOT
Consumer commodity
ORM-D
Consumer commodity ,ORM-D,

TDG

Proper shipping name
Hazard Class
UN-No
Description

Aerosols
2.1
UN1950
AEROSOLS,2.1,UN1950 LTD QTY

ICAO

UN-No
Proper Shipping Name
Hazard Class
Shipping Description

UN1950
Aerosols
2.1
UN1950, AEROSOLS, FLAMMABLE, 2.1 LTD QTY

IATA**UN-No**

UN1950

Proper Shipping Name Aerosols, flammable
Hazard Class 2.1
ERG Code 10L
Shipping Description UN1950,Aerosols, flammable,2.1 LTD QTY

IMDG/IMO

Proper Shipping Name Aerosols
Hazard Class 2
UN-No UN1950
EmS No. F-D, S-U
Shipping Description UN1950, Aerosols,2.1 LTD QTY

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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372:

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Methylene chloride	75-09-2	60-100	0.1
Propylene oxide	75-56-9	1-5	0.1

SARA 311/312 Hazardous Categorization

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

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Carbon Dioxide	Not applicable	Not applicable
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
Sodium sulfonate	Not applicable	Not applicable
Methylene chloride	1000 lb	Not applicable
Propylene oxide	100 lb	= 10000 lb TPO

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

A Compressed gases, D1B Toxic materials , D2A Very toxic materials , D2B Toxic materials .



16. OTHER INFORMATION

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Reason for Revision No information available
Glossary No information available
List of References No information available

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