

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name TEKUSOLV AEROSOL
Recommended Use solvent
Information on Manufacturer
 CERTIFIED LABS, DIV. OF NCH CORP.
 BOX 152170
 IRVING, TEXAS 75015

Product Code 5491
Chemical Nature Solvent mixture
Emergency Telephone Number
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

Danger
 Extremely flammable
 May be harmful if inhaled
 Causes skin irritation
 Causes eye irritation
 May cause allergic skin reaction
 May cause allergic respiratory reaction
 Harmful or fatal if swallowed

Color Colorless **Physical State** Liquid **Odor** orange
Potential Health Effects
Principle Route of Exposure Skin contact, Eye contact, Inhalation.
Primary Routes of Entry Inhalation, Skin Absorption.
Acute Effects
Eyes Causes eye irritation.
Skin Causes skin irritation. May cause allergic skin reaction.
Inhalation May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. May cause headache and dizziness. May cause allergic respiratory reaction.
Ingestion Ingestion may cause irritation to mucous membranes. Aspiration hazard if swallowed - can enter lungs and cause damage.
Chronic Effects May cause skin sensitization in some individuals . May cause respiratory sensitization in some individuals .
Target Organ Effects Bone Marrow, Lungs, Central nervous system.
Aggravated Medical Conditions Skin disorders. Respiratory disorders.
Potential Environmental Effects See Section 12 for additional Ecological information

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Butane	106-97-8
D-Limonene	5989-27-5
Naphtha (petroleum)light alkylate (<3% DMSO extractable)	64741-66-8
Propane	74-98-6

The product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

General Advice Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Inhalation Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give 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.

5. FIRE-FIGHTING MEASURES

Flash Point 39°F / 4°C **Method** Seta closed cup
Autoignition Temperature No information available
Flammability Limits in Air Solvent mixture **Upper** 9.5 **Lower** 0.7
Suitable Extinguishing Media
 Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Specific Hazards Arising from the Chemical
 Flame extension: >30 inches / >76 cm and Burnback: 5 inches / 13 cm
 . Solvent vapors are heavier than air and may spread along floors . Vapors may ignite and explode.
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	1	Flammability	4	Instability	0
HMS	Health	1	Flammability	4	Instability	0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions 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 No information available

Methods for Cleaning Up

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).

Neutralizing Agent

Not applicable

7. HANDLING AND STORAGE**Handling
Storage**

Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.
Keep away from heat and sources of ignition.

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
Butane	TWA: 1000 ppm	no data available	TWA: 1900 mg/m ³ TWA: 800 ppm
D-Limonene	No data available	no data available	no data available
Naphtha (petroleum)light alkylate (<3% DMSO extractable)	No data available	no data available	no data available
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	IDLH: 2100 ppm TWA: 1800 mg/m ³ TWA: 1000 ppm

Engineering Measures

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields.

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. Wear protective gloves/clothing. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Non viscous
Color	Colorless	Odor	orange
Appearance	Transparent	pH	Not applicable
Specific Gravity	0.77	Bulk Density	No data available
Evaporation Rate	37.4	Percent Volatile (Volume)	100
VOC Content (%)	100	Vapor Pressure	1950 mmHg @ 70 °F
Vapor Density	1.7	Solubility	Insoluble
Boiling Point/Range	340°F / 171°C		

10. STABILITY AND REACTIVITY**Chemical Stability**

Stable. Hazardous polymerization does not occur .

Conditions to Avoid

Heat, flames, and sparks.

Incompatible Products

Strong oxidizing agents. Acids. Vinyl compounds. Halogenated hydrocarbon.

Hazardous Decomposition Products

Carbon oxides.

Possibility of Hazardous Reactions

None under normal processing

11. TOXICOLOGICAL INFORMATION**Product Information**

No information available

Acute Toxicity**Component Information****Acute toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Butane	no data available	no data available	658 g/m ³ (Rat) 4 h	no data available	no data available
D-Limonene	4400 mg/kg (Rat)	2000 mg/kg (Rabbit)	no data available	no data available	no data available
Naphtha (petroleum)light alkylate (<3% DMSO extractable)	7000 mg/kg (Rat)	2000 mg/kg (Rabbit)	5.04 mg/L (Rat) 4 h	no data available	no data available
Propane	no data available	658 mg/kg (Rat)	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Butane	no data available	no data available	no data available	no data available	CNS
D-Limonene	no data available	Skin sensitization Respiratory sensitizer	no data available	no data available	CNS, bone marrow, lungs
Naphtha (petroleum)light alkylate (<3% DMSO extractable)	no data available	no data available	no data available	no data available	CNS
Propane	no data available	no data available	no data available	no data available	CNS

Carcinogenicity

There are no known carcinogenic chemicals in this product

Component	ACGIH	IARC	NTP	OSHA	Other
Butane	not applicable				
D-Limonene	not applicable				
Naphtha (petroleum)light alkylate (<3% DMSO extractable)	not applicable				
Propane	not applicable				

12. ECOLOGICAL INFORMATION

Product Information No information available

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Butane	no data available	no data available	no data available	no data available	2.89
D-Limonene	no data available	LC50= 702 mg/L Pimephales promelas 96 h	no data available	no data available	N/A
Naphtha (petroleum)light alkylate (<3% DMSO extractable)	EC50= 30000 mg/L Selenastrum capricornutum 72 h	no data available	no data available	LC50 = 2 mg/L 48 h	N/A
Propane	no data available	no data available	no data available	no data available	2.3

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 Contents under pressure Do not puncture. Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

DOT
 Proper Shipping Name Consumer commodity
 Hazard Class ORM-D
 Description Consumer commodity ,ORM-D,

TDG
 Proper shipping name Aerosols
 Hazard Class 2.1
 UN-No UN1950
 Description AEROSOLS,2.1,UN1950 LTD QTY

ICAO
 UN-No UN1950
 Proper Shipping Name Aerosols
 Hazard Class 2.1
 Shipping Description Aerosols,UN1950 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 2.1
 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 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	Yes	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Butane	Not applicable	Not applicable
D-Limonene	Not applicable	Not applicable
Naphtha (petroleum)light alkylate (<3% DMSO extractable)	Not applicable	Not applicable
Propane	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

A Compressed gases, B5 Flammable aerosol, D2B Toxic materials .



16. OTHER INFORMATION

Prepared By	Mike McDowell
Supersedes Date	19-Oct-2004
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Reason for Revision	No information available
Glossary	No information available
List of References	No information available

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