

Safety Data Sheet TEKUSOLV AEROSOL

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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
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Colorless - Light yellow

Physical state liquid

Odor Orange

GHS

Classification

Physical Hazards

Flammable Aerosols
Gases under pressure

Category 1
Compressed Gas

Health Hazard

Aspiration Toxicity
Acute Inhalation Toxicity - Gas
Skin Corrosion/Irritation
Serious Eye Damage/Eye Irritation
Skin sensitization
Specific target organ systemic toxicity (single exposure)
Specific target organ toxicity (repeated exposure)

Category 1
Category 3
Category 2
Category 2B
Category 1
Category 3
Category 2

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H222 - Extremely flammable aerosol
H331 - Toxic if inhaled
H336 - May cause drowsiness or dizziness
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H320 - Causes eye irritation
H304 - May be fatal if swallowed and enters airways
H373 - May cause damage to organs through prolonged or repeated exposure
H280 - Contains gas under pressure; may explode if heated

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
P251 - Pressurized container: Do not pierce or burn, even after use
P270 - Do not eat, drink or smoke when using this product.
P260 - Do not breathe vapor, mist or gas
P271 - Use in a well-ventilated area.
P285 - In case of inadequate ventilation wear respiratory protection
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling
P272 - Contaminated work clothing should not be allowed out of the workplace
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311 - If experiencing respiratory symptoms, call a physician
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash 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.
P410 + P403 - Protect from sunlight. Store in a well-ventilated place
P501 - Dispose of contents and container in accordance with applicable local

regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
Naphtha (petroleum)light alkylate (<3% DMSO extractable)	64741-66-8	40-70
D-Limonene	5989-27-5	15-40
Propane	74-98-6	10-30
Butane	106-97-8	1-5

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. Remove contaminated clothing and shoes. 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 be fatal if swallowed and enters airways. May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point 39 °F / 4 °C	Method Seta closed cup	
Flammability Limits in Air %: Solvent mixture.	Upper: 9.5	Lower: 0.7
Suitable Extinguishing Media		
Water spray. Carbon dioxide (CO ₂). Dry chemical.		
Specific hazards arising from the chemical		
Flame extension: >30 inches / >76 cm and Burnback: 5 inch / 13 cm. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. 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
		Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Prevent further leakage or spillage if safe to do so. Use personal protective equipment. Material can create slippery conditions. Remove all sources of ignition. Ensure adequate ventilation.
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 open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.
Storage	Keep away from heat and sources of ignition. 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

Component	ACGIH TLV	OSHA PEL	NIOSH
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³
Butane	STEL: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 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 inadequate ventilation wear respiratory protection. 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	Colorless - Light yellow	Odor	Orange
Odor Threshold	Not applicable	Appearance	Transparent
pH	Not applicable	Specific Gravity	0.704
Evaporation Rate	37.4	Percent Volatile (Volume)	0
VOC Content (%)	100	VOC Content (g/L)	0
Vapor Pressure	1965 mmHg @ 70°F	Vapor Density	1.7
Solubility	Negligible	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	340 °F / 171 °C	Flammability (solid, gas)	No data available
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	

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, Acids, Vinyl compounds, Halogenated hydrocarbon.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon 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	5,990.39
Dermal LD50	2,000.00
Inhalation LC50	
Gas	No information available
Mist	6.28
Vapor	6.28

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. May be absorbed through the skin in harmful amounts.

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. May cause allergic respiratory reaction.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

Chronic Toxicity

Repeated and prolonged exposure to solvents may cause brain and nervous system damage. May cause sensitization by skin contact. May cause sensitization by inhalation. Liver and kidney injuries

may occur.
Target Organ Effects Central nervous system, Liver, Kidney, Heart, Immune system.
Aggravated Medical Conditions Respiratory disorders, Skin disorders, Neurological disorders, Liver disorders, Kidney disorders, Heart disease.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
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
D-Limonene	= 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	no data available	no data available	no data available
Propane	no data available	no data available	= 658 mg/L (Rat) 4 h	no data available	no data available
Butane	no data available	no data available	= 658 g/m ³ (Rat) 4 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Naphtha (petroleum)light alkylate (<3% DMSO extractable)	no data available	no data available	no data available	no data available	CNS
D-Limonene	no data available	Skin sensitization, Respiratory sensitization	no data available	no data available	CNS, immune system, lungs, liver, kidneys, respiratory system
Propane	no data available	no data available	no data available	no data available	CNS, heart
Butane	no data available	no data available	no data available	no data available	CNS, heart

Carcinogenicity There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
D-Limonene	not applicable	Group 3	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Naphtha (petroleum)light alkylate (<3% DMSO extractable)	EC50 = 30000 mg/L Pseudokirchneriella subcapitata 72 h	No information available.	No information available	2: 48 h Mysidopsis bahia mg/L LC50	N/A
D-Limonene	No information available.	LC50 0.619 - 0.796 mg/L Pimephales promelas 96 h LC50 = 35 mg/L Oncorhynchus mykiss 96 h	No information available	No information available.	N/A
Propane	No information available.	No information available.	No information available	No information available.	2.3
Butane	No information available.	No information available.	No information available	No information available.	2.89

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 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 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
 Precautionary Statements - Response 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
 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 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	Yes	No

CERCLA

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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