Safety Data Sheet: TEKUSOLV II RED

Supercedes Date: 06/24/2020 **Issuing Date:** 11/24/2020

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: TEKUSOLV II RED
Recommended use Solvent mixture
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code: 0849
Chemical nature Solvent blend
Emergency Telephone

Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Red - Orange **Physical state** Liquid **Odor** Orange

GHS Classification

Physical Hazards
None

Health Hazard

Aspiration Toxicity	Category 1
Skin sensitization	Category 1B

Other hazards
None

Labeling
Signal Word
DANGER

Hazard statements
H317 - May cause an allergic skin reaction
H304 - May be fatal if swallowed and enters airways

Precautionary Statements
P280 - Wear protective gloves, protective clothing and eye protection.
P261 - Avoid breathing vapors or mist
P272 - Contaminated work clothing should not be allowed out of the workplace
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.
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P501 - Dispose of contents and container in accordance with applicable regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
1-Tetradecene	1120-36-1	80-100
D-Limonene	5989-27-5	3-7

*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 No hazards which require special first aid measures.
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 No hazards which require special first aid measures.
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 > 201 °F / > 94 °C **Method** Seta closed cup
Flammability Limits in Air %: Solvent mixture. **Upper:** 0.7 **Lower:** 6.1
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** 1	**Instability** 0
HMIS -	**Health** 2	**Flammability** 1	**Physical Hazard** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
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 labeled containers.
Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
Storage Store in original container. Keep containers tightly closed in a dry, cool 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 This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should 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 insufficient ventilation wear suitable respiratory equipment.
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	Red - Orange	**Odor**	Orange
Odor Threshold	Not applicable	**Appearance**	Transparent
pH	Not applicable	**Specific Gravity**	0.776
Evaporation Rate	0.01 (Butyl acetate=1)	**Percent Volatile (Volume)**	No information available
VOC Content (%)	1.62	**VOC Photoreactive (Y/N)**	Yes
VOC Content (g/L)	12.57	**Vapor pressure**	0.03 mmHg @ 70°F
Vapor Density	4.0	**Solubility**	Negligible
n-Octanol/Water Partition	No data available	**Melting Point/Range**	No data available
Decomposition Temperature	No data available	**Boiling Point/Range**	463 °F / 239 °C
Flammability (solid, gas)	No data available		
Flash Point	> 201 °F / > 94 °C	**Method**	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Solvent mixture	**Upper:** 0.7 **Lower:** 6.1	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known.
Incompatible Products	Strong oxidizing agents, Acids.
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	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, Skin Absorption.
Acute Effects:	
Eyes	Low hazard for usual industrial or commercial handling.
Skin	May cause allergic skin reaction.
Inhalation	Low hazard for usual industrial or commercial handling.
Ingestion	Aspiration hazard if swallowed - can enter lungs and cause damage.
Chronic Toxicity	May cause sensitization by skin contact.
Target Organ Effects:	Immune system.
Aggravated Medical Conditions	Skin disorders.

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
1-Tetradecene 1120-36-1	> 10000 mg/kg (Rat) = 21300 mg/kg (Rat)	> 10000 mg/kg (Rabbit) = 10000 mg/kg (Rabbit) > 2430 mg/kg (Rabbit)	No data available	No data available	No data available
D-Limonene 5989-27-5	4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	No data available	No data available	No data available

Chronic Toxicity

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
D-Limonene 5989-27-5	No data available	Skin sensitization	No data available	No data available	Immune system

Carcinogenicity — There are no known carcinogenic chemicals in this product.

Chemical name	ACGIH	IARC	NTP	OSHA	Other
D-Limonene 5989-27-5	Not applicable	Group 3	Not applicable	Not applicable	Not applicable

12. ECOLOGICAL INFORMATION

Product Information — No information available.

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
1-Tetradecene	EC50 22 - 24 mg/L Pseudokirchneriella subcapitata 96 h	LC50 10.0 - 32.0 mg/L Poecilia reticulata 96 h LC50 1 - 3.2 mg/L Brachydanio rerio 96 h LC50 = 0.39 mg/L Oncorhynchus mykiss 96 h LC50 = 1.06 mg/L Pimephales promelas 96 h	EC50 > 10000 mg/L 6 h	0.74: 48 h Daphnia magna mg/L EC50 0.68: 96 h Daphnia magna mg/L LC50	N/A
D-Limonene	No information available.	LC50 0.619 - 0.796 mg/L Pimep Pimephales promelas 96 h	No information available	No information available.	N/A

		LC50 = 35 mg/L Oncorhynchus mykiss 96 h			

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. Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

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
See Section 2

CERCLA

16. OTHER INFORMATION

Prepared By Kim Franklin
Supercedes Date: 06/24/2020
Issuing Date: 11/24/2020
Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

CERTIFIED LABS, DIV. OF NCH CORP.assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.