Safety Data Sheet ENVIROSAN II

Supercedes Date Not applicable **Issuing Date** 07/31/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ENVIROSAN II
Recommended use Disinfectants and general biocidal products
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 5314
Chemical nature Alcoholic solution (aerosol)
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Light yellow **Physical state** liquid **Odor** Medicinal

GHS
Classification
Physical Hazards

Flammable liquids	Category 2
Gases under pressure	Liquefied gas

Health Hazard

Serious Eye Damage/Eye Irritation	Category 2A

Other hazards
None

Labeling
Signal Word
DANGER

Hazard statements
H223 - Flammable aerosol
H280 - Contains gas under pressure; may explode if heated
H319 - Causes serious eye irritation

Precautionary Statements
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P270 - Do not eat, drink or smoke when using this product.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling
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.
P308 + P313 - IF exposed or concerned, get medical attention
P403 - 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 %
Ethyl alcohol	64-17-5	60-100
Petroleum gases, liquified, sweetened	68476-86-8	10-30

TRADE SECRET PERCENTAGES *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, mist, or gas.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Call a physician or poison control center immediately.

Skin Contact Take off all contaminated clothing immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician if symptoms occur.

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 if symptoms occur. Rinse mouth.

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point No data available **Method** Not applicable

Flammability Limits in Air %: . **Upper:** 19.0 **Lower:** 1.9

Suitable Extinguishing Media

Foam. Dry chemical. Water spray. Carbon dioxide (CO2).

Specific hazards arising from the chemical

Extremely flammable. Flame extension: >18 inches / >45 cm and Burnback: 4 inch / 10 cm. Solvent vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air.

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) - 2

NFPA	**Health** 1	**Flammability** 3	**Instability** 1
HMIS	**Health** 1	**Flammability** 3	**Instability** 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Take precautionary measures against static discharges. Remove all sources of ignition. 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 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. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.

Storage Keep away from heat and sources of ignition. Store in original container.

Storage Temperature **Minimum** No information available **Maximum** No information available

Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Ethyl alcohol	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m^3	3300 ppm TWA: 1000 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	Light yellow	**Odor**	Medicinal
Odor Threshold	Not applicable	**Appearance**	Transparent - Hazy
pH	7	**Specific Gravity**	0.82
Evaporation Rate	1 (Butyl acetate=1)	**Percent Volatile (Volume)**	100
VOC Content (%)	69	**VOC Content (g/L)**	603.8
Vapor Pressure	44 mmHg @ 77°F	**Vapor Density**	>1 (Air = 1.0)
Solubility	Completely soluble	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	> 170 °F / 77 °C	**Flammability (solid, gas)**	No data available
Flash Point	No data available	**Method**	Not applicable
Autoignition Temperature	No information available.		
Flammability Limits in Air %:		**Upper:** 19.0 **Lower:** 1.9	

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.
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

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, Inhalation.
Primary Routes of Entry	Skin contact, Ingestion, Skin Absorption.
Acute Effects:	
Eyes	Causes serious eye irritation.
Skin	May cause skin irritation.
Inhalation	May cause irritation of respiratory tract. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Toxicity	Liver injury may occur.
Target Organ Effects	Central nervous system, Respiratory system, Reproductive System, Liver, Blood, Heart, Skin, Eyes.
Aggravated Medical Conditions	Skin disorders, Respiratory disorders, Eyes.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Ethyl alcohol	no data available	no data available	= 124.7 mg/L (Rat) 4 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Ethyl alcohol	no data available	no data available	yes	no data available	Blood, Skin, Central nervous system, Eyes, Respiratory system, Reproductive System, Liver

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Ethyl alcohol	A3	Group 1	not applicable	X	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow

Ethyl alcohol	No information available.	LC50 12.0 - 16.0 mL/L Oncorhynchus mykiss 96 h LC50 > 100 mg/L Pimephales promelas 96 h LC50 13400 - 15100 mg/L Pimephales promelas 96 h	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static	-0.32
Petroleum gases, liquified, sweetened	No information available.	No information available.	No information available	No information available.	2.8

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of contents/container in accordance with local regulation.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT 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** UN1950, AEROSOLS,2.1, LTD QTY

ICAO
- **UN-No** UN1950
- **Proper Shipping Name** Aerosols
- **Hazard Class** 2.1
- **Shipping Description** UN1950,Aerosols, 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
- **Description** UN1950, Aerosols,2.1 LTD QTY

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies
U.S. Federal Regulations
FIFRA
This chemical is a pesticide product registered by the US EPA and is subject to certain labeling requirements under federal pesticide laws. These requirements differ from the classification criteria and hazard information required for SDSs, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

WARNING
Harmful if absorbed through skin
Causes substantial but temporary eye injury.
Flammable
Contents under pressure

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 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	No	Yes	Yes	No

CERCLA

16. OTHER INFORMATION

Prepared By	Adrienne McKee
Supercedes Date	Not applicable
Issuing Date	07/31/2015
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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