

SECTION 1 - IDENTIFICATION

Product Identifier: EnvirOx Broad Spectrum
Disinfectant/Virucide Tablets

Product registration: 71847-6-69268

Product Number: 123

Recommended use of the chemical and restrictions on use:
Disinfectant

Manufacturer/Supplier:

EnvirOx LLC P.O. Box 2327, 1938 E. Fairchild St., Danville, IL
61834-2327 USA Tel 1-217-442-8596

Emergency Phone Number:

Chem Tel Inc. 800-255-3924, +1-813-248-0585

SECTION 2 –HAZARD(S) IDENTIFICATION**Classification of the substance or mixture**

Acute toxicity (oral) Category 4 – Harmful if swallowed

Serious eye damage/eye irritation Category 2 – Causes serious eye irritation

Specific target organ toxicity (single exposure) Category 3 – May cause respiratory irritation

Hazardous to the aquatic environment-Chronic Hazard Category 1 – Very toxic to aquatic life with long lasting effects

GHS Label elements, including precautionary statements**Pictogram:**

Signal Word – Warning

Hazard Statements:

Harmful if swallowed

Causes serious eye irritation

May cause respiratory irritation

Very toxic to aquatic life with long lasting effects

Precautionary Statements:

Prevention: Avoid breathing dust. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only in a well-ventilated area. Avoid release to the environment.

Response: IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention. Get medical advice/attention if you feel unwell.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Other hazards which do not result in classification:

Other hazards not contributing to the classification: Contact with acids liberates toxic gas.

Unknown acute toxicity:

Not applicable

Diluted Product**Classification for the diluted product:**

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA GHS under normal use conditions.

Precautionary Statements:

None required.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical Name	CAS Number	Weight %
troclosene sodium	2893-78-9	40-50 %
adipic acid	124-04-9	10-20 %
SODIUM CARBONATE	497-19-8	5-10 %

SECTION 4 – FIRST-AID MEASURES

Description of first aid measures

General: Call a poison center/doctor/physician if you feel unwell. Get medical advice/attention if you feel unwell.

Inhalation: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. Call a poison center/doctor/physician if you feel unwell.

Skin Contact: Wash skin with plenty of water.

Eye Contact: Rinse eyes with water as a precaution. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth with water. Call a poison center/doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation: May cause respiratory irritation.

Symptoms/effects after eye contact: Eye irritation.

Indication of any immediate medical attention and special treatment needed:

Treat systematically.

Diluted Product

Eyes: Rinse with plenty of water. If irritation occurs and persists, get medical attention.

Skin: Rinse with plenty of water. If irritation occurs and persists, get medical attention.

Inhalation: No specific first aid measures are required.

Ingestion: Rinse mouth with water.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use Water spray, Dry powder, or Foam.

Specific hazards arising from the chemical:

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Special protective equipment and precautions for fire-fighters:

Precaution during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

For non-emergency personnel

Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions: Avoid release to the environment

Methods and material for containment and cleaning up

Methods for cleaning up: Mechanically recover the product.

Other information: Dispose of materials or solid residues at an authorized site.

References to Other Sections: For further information refer to section 13.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Use only in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for Safe Storage, including any incompatibilities: Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Envirox Broad Spectrum Disinfectant/Virucide Tablets		
ACGIH	Local name	adipic acid
ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
ACGIH	Remark (ACGIH)	TLV® Basis: URT irr; ANS impair
ACGIH	Regulatory reference	ACGIH 2019
troclosene sodium (2893-78-9)		
Not applicable		
adipic acid (124-04-9)		
ACGIH	Local name	adipic acid
ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
ACGIH	Remark (ACGIH)	TLV® Basis: URT irr; ANS impair
ACGIH	Regulatory reference	ACGIH 2019
SODIUM CARBONATE (497-19-8)		
Not applicable		

Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation for the work station.

Environmental exposure controls: Avoid release to the environment.

Individual protection measures/Personal protective equipment

Personal protective equipment: Always use job-specific risk assessment approach to determine the personal protection equipment needed for each situation. Such risk assessment should consider product hazard, exposure level, and user susceptibilities.

Eye protection: If a risk assessment indicates this is necessary, safety glasses are recommended.

Hand protection: Wear rubber gloves or Latex gloves.

Respiratory protection: Engineering controls (general and local ventilations) are preferred means for mitigating chemical exposures. If exposure limits are exceeded, NIOSH approved respiratory protection should be worn. Where inhalation exposure to mist, fog, sprays or splashes may occur but not exceeding the exposure limits, protections consistent with the job-specific risk assessment are recommended.

Other information: Do not eat, drink or smoke when using this product.

Diluted Product

Personal Protective Equipment

Eyes protection*: No personal protective equipment required under normal use conditions.

Hand protection*: No personal protective equipment required under normal use conditions.

Skin and body protection: No personal protective equipment required under normal use conditions.

Respiratory protection: No personal protective equipment required under normal use conditions.

Hygiene measures: No personal protective equipment required under normal use conditions.

*EnvirOx recommends the use of hand and eye protection when using any disinfectant products.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Appearance:	Tablets White
Odor:	Slight chlorine-like
Odor threshold:	No data available
pH:	No data available
pH solution:	5.5 – 6.5 when diluted
Melting point/Melting range:	No data available
Freezing point/Freezing range:	Not applicable
Boiling point/Boiling range:	Not applicable
Flash point:	Not applicable
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gaseous):	Nonflammable

Vapor pressure	No data available
Relative vapor density at 20 °C	No data available
Relative density	No data available
Solubility	Water: 100%
Log Pow	No data available
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosion limits	Not applicable
Explosive properties	No data available
Oxidizing properties	No data available
VOC content	0% Less Exempts and Water

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: This product is non-reactive under normal conditions of use, storage and transport.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to avoid: None under recommended storage and handling conditions (see section 7).

Incompatible materials: No additional information available.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological effects

Acute toxicity (oral): Harmful if swallowed.

Acute toxicity (dermal): Not classified.

Acute toxicity (inhalation): Not classified.

ATE US (oral)	1823 mg/kg body weight
ATE US (dermal)	>2,000 mg/kg body weight
ATE US (gases)	>20,000 ppm/4h
ATE US (vapors)	>20 mg/l/4h
ATE US (dust, mist)	>5 mg/l/4h

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: Not classified

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: Not classified.

EnviroX Broad Spectrum Disinfectant/Virucide Tablets	
IARC group	Not listed
National Toxicity Program (NTP) Status	Not listed

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (STOT) – single exposure: May cause respiratory irritation.

Specific Target Organ Toxicity (STOT) – repeated exposure: Not Classified

Aspiration Hazard: Not classified.

Viscosity, kinematic: No data available.

Symptoms/effects after inhalation: May cause respiratory irritation.

Symptoms/effects after eye contact: Eye irritation.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity

Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Persistence and Degradability:

troclosene sodium (2893-78-9)	
Persistence and degradability	Readily biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.
adipic acid (124-04-9)	
Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.598 g O ₂ /g substance
Chemical oxygen demand (COD)	1.38 g O ₂ /g substance
ThOD	1.423 g O ₂ /g substance
SODIUM CARBONATE (497-19-8)	
Persistence and degradability	Biodegradability: not applicable
Biochemical oxygen demand (BOD)	Not applicable (inorganic)
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
Not applicable	

Bioaccumulative potential:

troclosene sodium (2893-78-9)	
Log Pow	-0.0556 (QSAR, KOWWIN)
Bioaccumulative potential	Not bioaccumulative.
adipic acid (124-04-9)	
Log Pow	0.093 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water):Shake Flask Method, 25 °C)
Biochemical oxygen demand (BOD)	Low potential for bioaccumulation (Log Kow < 4).
SODIUM CARBONATE (497-19-8)	

Log Pow	-6.19 (Estimated value)
Biochemical oxygen demand (BOD)	Not bioaccumulative.

Mobility in soil:

troclosene sodium (2893-78-9)	
Log Koc	1.7 (log Koc, Experimental value)
Ecology - soil	Highly mobile in soil.
adipic acid (124-04-9)	
Ecology - soil	No (test)data on mobility of the substance available.
SODIUM CARBONATE (497-19-8)	
Ecology - soil	Low potential for adsorption in soil.

Other adverse effects: No additional information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Waste Treatment Methods: Dispose of in accordance with relevant local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14 - TRANSPORT INFORMATION

DOT:

Proper Shipping Name (DOT): Environmentally hazardous substances, solid, n.o.s. (Troclosene Sodium)

UN-No. (DOT): UN3077

Class (DOT): 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140

Packing group (DOT): III – Minor Danger

Hazard Label (DOT): Class 9 (Miscellaneous dangerous materials)

Dangerous for the environment: Yes

International shipping – IMDG:

Proper Shipping Name (IMDG): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene Sodium)

UN-No. (IMDG): 3077

Class (IMDG): Miscellaneous dangerous substances and articles

Marine pollutant: Yes

International – IATA:

Proper Shipping Name (IATA): Environmentally hazardous substance, solid, n.o.s. (Troclosene Sodium)

UN-No. (IATA): 3077

Proper Shipping Name (IATA): Environmentally hazardous substance, solid, n.o.s.

Class (IATA): 9 - Miscellaneous Dangerous Goods

Packing group (IATA): III – Minor Danger

SECTION 15 - REGULATORY INFORMATION

US Federal Regulations

troclosene sodium (2893-78-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
adipic acid (124-04-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313	

CERCLA RQ	5000 lb
SODIUM CARBONATE (497-19-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
FIFRA Labelling	
EPA Registration Number	71847-6-69268
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.	

International Regulations

Canada:

troclosene sodium (2893-78-9)
Listed on the Canadian DSL (Domestic Substances List)
adipic acid (124-04-9)
Listed on the Canadian DSL (Domestic Substances List)
SODIUM CARBONATE (497-19-8)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

SODIUM CARBONATE (497-19-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National Regulations

SODIUM CARBONATE (497-19-8)
Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory)

US State Regulations

Component	State or local regulations
troclosene sodium(2893-78-9)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
adipic acid(124-04-9)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16 - OTHER INFORMATION

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

ISSUE: 02/24/2022

Revision: First Issue

Revision Note: NA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

End of Safety Data Sheet