

# SAFETY DATA SHEET

according to Hazardous Products Regulations (HPR)

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## Neogen® Viroxide Super™

Revision 2  
Revision date 2023-10-26

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	Neogen® Viroxide Super™
Product code	433608
Registration No.	66171-106.

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	Disinfectant. Dilute with water before use.
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#### 1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Lesher Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	SDS@neogen.com

#### 1.4. Emergency telephone number

	24 hours: Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international) Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)
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#### Further information


Manufactured For:	Preserve International 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.  Preserve International is a wholly-owned subsidiary of Neogen Corporation.
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Skin Irrit. 2: H315; Eye Dam. 1: H318;
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#### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage.

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## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor/physician. P332+P313 - If skin irritation occurs: Get medical advice/attention.

## 2.3. Other hazards

<b>Other hazards</b>	Contains material(s) which may be harmful if swallowed. Dust may be irritating if inhaled. Oxidising.
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## Further information

	Read the entire label and follow all use directions, restrictions, and precautions.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH No.	Conc. (%w/w)	Classification
Monopersulfate Compound					40 - 50%	Skin Irrit. 2: H315; Eye Dam. 1: H318;
n-alkylbenzenesulfonic acid, sodium salts		68411-30-3			10 - 20%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412;
Malic Acid		6915-15-7	230-022-8		1 - 10%	Eye Irrit. 2: H319;
Sulphamic acid	016-026-00-0	5329-14-6	226-218-8		1 - 10%	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Aquatic Chronic 3: H412;
Fragrance, Green apple					0 - 0.5%	EUH208; Aquatic Chronic 3: H412;

## Description

	Concentrations listed may not represent exact product specifications.
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## Particle Characteristics

	No data available.
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## Further information

	Full text of Hazard Statements listed in this Section is provided in Section 16.
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## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
<b>Eye contact</b>	Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention.
<b>Skin contact</b>	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

## 4.2. Most important symptoms and effects, both acute and delayed

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## 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	Causes serious eye damage.
Skin contact	Causes skin irritation.
Ingestion	Ingestion may cause nausea and vomiting. May cause oral mucosal irritation.

## 4.3. Indication of any immediate medical attention and special treatment needed

	Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.
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## Further information

	Refer to product label and/or package insert for additional information. Follow label instructions.
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## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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## 5.2. Special hazards arising from the substance or mixture

	May intensify fire; oxidiser. Avoid raising dust. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not allow undiluted product to be released to ground water, water course or sewage system.
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## 5.3. Advice for firefighters

	Do not breathe dust or vapour. Wear self-contained breathing apparatus and chemical-protective clothing.
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## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

	In the case of cleanup following a spill, wear protective clothing and appropriate equipment to prevent exposure of skin and eyes and to prevent ingestion or inhalation. Ensure adequate ventilation of the working area. Do not breathe gas/fumes/vapour/spray. Avoid prolonged or repeated exposure.
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## 6.2. Environmental precautions

	Prevent further spillage if safe. Clean area thoroughly with detergent. Do not flush into surface water. Do not let product contaminate subsoil.
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## 6.3. Methods and material for containment and cleaning up

	Sweep up. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not empty into drains; dispose of this material and its container in a safe way. Dispose of in compliance with all label instructions.
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## 6.4. Reference to other sections

	See Section(s) 2, 8, and 13 for further information.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Read the entire label and follow all use directions, restrictions, and precautions. Use as appropriate: Protective clothing.
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## 7.2. Conditions for safe storage, including any incompatibilities

	Store in correctly labelled containers. Keep container tightly closed. Keep in a cool, dry, well ventilated area. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.
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## 7.3. Specific end use(s)

	See Section(s) 1.2 for further information.
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## Further information


	Refer to product label and/or package insert for additional information. Follow label instructions.
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## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

	No occupational exposure limits known.
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## 8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Use as appropriate: Protective equipment. Follow label instructions.
Eye / face protection	Wear: Chemical safety goggles, Face shield.
Skin protection - Handprotection	Wear: Chemical resistant gloves. Wash the outside of gloves before removing them. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
Skin protection - Other	Wear: Long-sleeved shirt and long pants, Shoes and socks. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.

## Further information

	Refer to product label for additional PPE requirements and recommendations. Follow label instructions.
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## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

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## 9.1. Information on basic physical and chemical properties

<b>State</b>	Powder
<b>Colour</b>	Off white/Light green
<b>Odour</b>	Aromatic/Pleasant
<b>Odour threshold</b>	No data available
<b>pH</b>	1.5 - 3
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability limits</b>	Not flammable
<b>Vapour pressure</b>	No data available
<b>Relative Vapour Density</b>	No data available
<b>Density / Relative Density</b>	1.09
<b>Partition coefficient (P)</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	Not applicable.
<b>Explosive</b>	No data available
<b>Oxidising</b>	No data available
<b>Solubility</b>	Soluble in water

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	Not applicable.
<b>Gas group</b>	No data available
<b>Benzene Content</b>	No data available
<b>Lead content</b>	No data available
<b>VOC (Volatile organic compounds)</b>	No data available

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	Stable under normal conditions.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
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## 10.4. Conditions to avoid

	May intensify fire; oxidiser. Keep away from sources of ignition - No smoking.
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## 10.5. Incompatible materials

	Acids. Do NOT mix with any other product.
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## 10.6. Hazardous decomposition products

	Carbon oxides.
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## SECTION 11: Toxicological information

## 11.1 Information on hazard classes

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## 11.1 Information on hazard classes

Acute toxicity	Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes severe inflammation and may damage the cornea.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No components at >0,01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs. No components at >0,01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
STOT-repeated exposure	No Significant Hazard.
Aspiration hazard	No Significant Hazard.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

## 11.1.2. Mixtures

	See Section(s) 3 for further information.
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## 11.1.3. Hazard Information

	See Section(s) 2 and 3 for further information.
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## 11.1.4. Toxicological Information

Neogen® Viroxide Super™	Oral Rat LD50: 3129 mg/kg Inhalation Rat LC50/4 h: 2.2 mg/L	Dermal Rabbit LD50: >5000 mg/kg
Sulphamic acid	Dermal Rat LD50: 2000	Oral Rat LD50: 200

## 11.1.5. Hazard Class

	See Section(s) 2 and 14 for further information.
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## 11.1.6. Classification Criteria

	Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.
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## 11.1.7. Information on likely routes of exposure

	Eye contact. Skin contact. Inhalation. Ingestion.
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## 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

	See Section(s) 4.2 for further information.
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## 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

	See Section(s) 4.2 for further information.
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## 11.1.10. Interactive effects

	No data available.
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## 11.1.11. Absence of specific data

	<1% of this mixture consists of ingredients of unknown acute toxicity.
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## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

Refer to product label and/or package insert for additional information.

**SECTION 12: Ecological information**

## 12.1. Toxicity

No data available

## 12.2. Persistence and degradability

No data is available on this product.

## PBT

Sulphamic acid	T1/2 in marine water 0.0048 days	T1/2 in fresh - or estuarine water 0.0480 days
	T1/2 in marine sediment 0.0173 days	T1/2 in fresh - or estuarine sediment 0.1730 days
	T1/2 in soil 0.0064 days	

## 12.3. Bioaccumulative potential

No data is available on this product.

## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.7 Other adverse effects

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters.

## Further information

Refer to product label and/or package insert for additional information.

**SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

## Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

## Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

**SECTION 14: Transport information**

## 14.1. UN number

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## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	WHMIS 2015 requirements as specified in the Hazardous Products Act (HPA) and the Hazardous Products Regulations (HPR).
	Contact SDS@neogen.com for additional information. Please specify country or region with your request.
	California Proposition 65: This material contains no reportable components.

## Further information

Additional Regulating Authority:	This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.
Signal Word	DANGER.
Label Precautions	Keep out of reach of children. Hazards to humans and domestic animals. Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear long-sleeved shirt and long pants, socks and shoes, goggles or face shield, and chemical-resistant gloves. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

## SECTION 16: Other information

## Other information

Revision	This document differs from the previous version in the following areas:. 1 - Product Use. 1 - Manufactured For:. 1 - Manufactured By:. 2 - 2.1.2. Classification - GHS. 2 - Hazard pictograms.
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## Other information

	<p>2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Storage. 2 - Precautionary Statement: Disposal. 3 - Particle Characteristics. 4 - Eye contact. 4 - Skin contact. 4 - Ingestion. 9 - 9.1. Information on basic physical and chemical properties (Colour). 9 - 9.1. Information on basic physical and chemical properties (Density / Relative Density). 9 - 9.2. Other information (Conductivity). 9 - 9.2. Other information (Gas group). 9 - 9.2. Other information (Surface tension). 9 - 9.2. Other information (Benzene Content). 9 - 9.2. Other information (Lead content). 11 - Acute toxicity. 11 - Skin corrosion/irritation. 11 - Respiratory or skin sensitisation. 12 - 12.1. Toxicity. 14 - ADR/RID. 14 - IMDG. 14 - IATA. 15 -.</p>
<b>Acronyms</b>	<p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR). CAS No.: Chemical Abstracts Service. FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act. GHS: Globally Harmonized System. HCS 2012: U.S. Hazard Communication Standard (2012 revision). IATA: International Air Transport Association. ICAO: International Civil Aviation Organisation. IMDG: International Maritime Dangerous Goods. LD: Lethal dose. OEL: Occupational exposure limit. OSHA: U.S. Occupational Safety and Health Administration. PEL: Permissible Exposure Limit. REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals. STOT: Specific Target Organ Toxicity. SVHC: Substance of very high concern. US DOT: United States Department of Transportation. VOC: Volatile Organic Compound. WEL: Workplace Exposure Limit.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. Acute Tox. 4: H302 - Harmful if swallowed. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Eye Irrit. 2: H319 - Causes serious eye irritation. EUH208 - Contains . May produce an allergic reaction.</p>

## Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to</p>
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## Further information

use.

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