



Safety Data Sheet

Revision Date Dec-10-2018

Item # 14943

Safety Data Sheet 4433

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name
Synonyms
Recommended Use
Uses advised against

Slimy Grimy
No information available
Reserved for industrial and professional use
Consumer uses: Private households (= general public = consumers).

CONFIDENTIAL DOCUMENT
ESTAMPED 11/13

Company Name
PVS-Nolwood Chemicals, Inc
10900 Harper Ave.
Detroit, MI 48213
(800) 284-9735

24 Hour Emergency Phone Number CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3 Respiratory

Emergency Overview

DANGER

Hazard statements

Causes severe skin burns and eye damage
Harmful if swallowed

Physical hazards

Do not handle until all hazard precautions have been read and understood



Precautionary statements

Prevention

Response

Storage

Disposal

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Immediately call a POISON CENTER or doctor/physician
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- IF SWALLOWED: Rinse mouth. DO NOT induce vomiting
- Wash contaminated clothing before reuse
- Store in a well-ventilated place. Keep container tightly closed
- Store in a secure area
- Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known.

Other Information

Unknown Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	EC No.	Weight-% *
Ethanedioic acid, dihydrate	6153-56-6	-	85-95
Tribasic sodium phosphate dodecahydrate	10101-89-0	-	5-15
Sodium hydroxide	1310-73-2	215-185-5	0.2-4

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice	If symptoms persist, call a physician Do not breathe dust/fume/gas/mist/vapors/spray Do not get in eyes, on skin, or on clothing
Eye contact	<ul style="list-style-type: none"> • Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes • Keep eyes wide open while rinsing • If symptoms persist, call a physician
Skin Contact	<ul style="list-style-type: none"> • Consult a physician if necessary • Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes
-Inhalation	<ul style="list-style-type: none"> • Remove to fresh air • Call a physician • If breathing is irregular or stopped, administer artificial respiration • Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation
Ingestion	<ul style="list-style-type: none"> • Rinse mouth • Drink plenty of water • If symptoms persist, call a physician • Do NOT induce vomiting
Note to physician	Treat symptomatically.
Self-protection for first aid personnel	Use personal protective equipment as required.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	<ul style="list-style-type: none"> • Dry chemical, CO2, water spray or alcohol-resistant foam • Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Unsuitable extinguishing media	<ul style="list-style-type: none"> • No information available
Specific hazards arising from the chemical	<ul style="list-style-type: none"> • Thermal decomposition can lead to release of irritating and toxic gases and vapors • Carbon oxides (COx)
Protective equipment and precautions for firefighters	<ul style="list-style-type: none"> • Wear a self-contained breathing apparatus and chemical protective clothing
Flammable properties	<ul style="list-style-type: none"> • No information available
Explosive properties	<ul style="list-style-type: none"> • No information available

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions**
 - Ensure adequate ventilation, especially in confined areas
 - Do not touch or walk through spilled material
- Environmental precautions**
 - For small spills, absorb material with clay absorbent or other compatible material.

Dispose of the waste material according to local, state and governmental requirements.

 - For large spills, contain the material using barriers of absorbent pigs, clay absorbent or earth dams.
- Methods for cleaning up**
 - Use personal protective equipment as required
 - Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry
 - Take up mechanically, placing in appropriate containers for disposal
 - Avoid creating dust
 - Clean contaminated surface thoroughly
- Other Information**
 - No information available

7. HANDLING AND STORAGE

- Advice on safe handling**
 - Avoid contact with skin, eyes or clothing
 - Use personal protective equipment as required
 - Wash contaminated clothing before reuse
 - Do not breathe dust/fume/gas/mist/vapors/spray
 - Do not eat, drink or smoke when using this product
- Storage Conditions**
 - Keep container tightly closed in a dry and well-ventilated place
 - Keep out of the reach of children
- Incompatible materials**

No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanedioic acid, dihydrate 6153-56-6	STEL: 2 mg/m ³ TWA: 1 mg/m ³	-	-
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³

- Engineering Controls**

Ensure adequate ventilation, especially in confined areas.
- Individual protection measures, such as personal protective equipment**
- Respiratory protection**
 - A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.
- Eye/Face protection**
 - Tight sealing safety goggles
- Skin and body protection**
 - Wear suitable protective clothing
 - Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact
- General Hygiene Considerations**
 - Handle in accordance with good industrial hygiene and safety practice
 - Do not eat, drink or smoke when using this product

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- Physical state**

Solid
- Appearance**

granules crystalline
- Color**

Off white
- Odor**

characteristic
- Odor threshold**

No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		solution (1 %)
Melting point/Freezing Point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit (%)	No information available	
Lower flammability limit (%):	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific Gravity	0.99-1.01	
Water solubility	No information available	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	
<u>Other Information</u>		
Softening point °C	No information available	
Molecular weight	No information available	
VOC Content (%)	No information available	
Density	62.4 lbs/ cu ft	
Bulk density	No information available	Pounds per gallon (lb/gal)

10. STABILITY AND REACTIVITY

- Stability** • Stable under recommended storage conditions
- Conditions to avoid** • Elevated temperature
- Incompatible materials** • None known based on information supplied
- Hazardous Decomposition Products** • Thermal decomposition can lead to release of irritating and toxic gases and vapors
• Carbon oxides (COx)
- Possibility of Hazardous Reactions** • None under normal processing and storage

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

- Inhalation May cause irritation of respiratory tract. Avoid breathing vapors or mists.
- Ingestion May be harmful if swallowed.
- Skin Contact May cause skin irritation and/or dermatitis.
- Eye contact Contact with eyes may cause irritation.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanedioic acid, dihydrate 6153-56-6	= 375 mg/kg (Rat)	-	-
Tribasic sodium phosphate dodecahydrate 10101-89-0	= 7400 mg/kg (Rat)	-	-
Sodium hydroxide 1310-73-2	300-500 mg/kg (rat) 40 mg/kg (mouse)(Intraperitoneal)	= 1350 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms No information available
Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity No information available.
Reproductive toxicity No information available.
STOT - single exposure Respiratory system.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity
 The following values are calculated based on chapter 3.1 of the GHS document .

12. ECOLOGICAL INFORMATION

Ecotoxicity

99.8% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium hydroxide 1310-73-2	-	45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	-

Persistence and degradability No information available.
Bioaccumulation No information available

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Disposal of wastes • Dispose of in accordance with federal, state and local regulations
 • Dispose of hazardous waste in a RCRA licensed facility
Contaminated packaging • Do not reuse container

Chemical Name	California Hazardous Waste Status
Sodium hydroxide 1310-73-2	Toxic Corrosive

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

US Federal Regulations

SARA 311/312 Hazard Categories

Acute health hazard Yes
Chronic Health Hazard No
Fire hazard No
Sudden release of pressure hazard No
Reactive Hazard No

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

U.S. - TSCA (Toxic Substances Control Act) - Section 5(a)(2) - Chemicals with Significant New Use Rules (SNURs)

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Tribasic sodium phosphate dodecahydrate 10101-89-0	-	-	-	X
Sodium hydroxide 1310-73-2	1000 lb	-	-	X

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	RQ (lbs)(dry)
Tribasic sodium phosphate dodecahydrate 10101-89-0	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Sodium hydroxide 1310-73-2	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

Canada

WHMIS Classification

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Classification

Non-controlled

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethanedioic acid, dihydrate 6153-56-6	-	-	X
Tribasic sodium phosphate dodecahydrate 10101-89-0	-	X	X
Sodium hydroxide 1310-73-2	X	X	X

International Inventories

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Complies
KECL	Does not comply
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards 2	Flammability 0	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 2	Flammability 0	Physical hazards 0	Personal protection B

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Revision Note	*** Updated value on SDS.

Disclaimer

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End of Safety Data Sheet