Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 05.16.2019

Revision date: 02.08.2024

Prep Soap

SECTION 1: Identification

Product Identifier

Product Name: Prep Soap

Product code: C-2600

Recommended Use of the Product and Restriction on Use

Relevant Identified Uses: High Foam Detergent

Uses Advised Against: NA

Reasons Why Uses Advised Against: Not determined or not applicable.

Manufacturer or Supplier Details

Manufacturer:

United States

Heiden Industries
1200 Veterans Blvd.
Kenner, LA. 70062
8008784913
TODD@HEIDENIND.COM

Emergency Telephone Number:

North America

CHEMTREC
800-424-9300 (24 hours)

SECTION 2: Hazard(s) Identification

GHS Classification:

Skin corrosion, category 1A
Serious eye damage, category 1
Carcinogenicity, category 1A
Specific target organ toxicity - single exposure, category 3, respiratory tract irritation
Specific target organ toxicity - single exposure, category 3, narcotic effects

Label elements

Hazard Pictograms:

Signal Word: Danger

Hazard statements:

H350 May cause cancer.
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

Precautionary Statements:

P202 Do not handle until all safety precautions have been read and understood
P280 Wear protective gloves/protective clothing/eye protection/face protection
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P271 Use only outdoors or in a well-ventilated area
P264 Wash hands thoroughly after handling
P308+P313 IF exposed or concerned: Get medical advice/attention
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P363 Wash contaminated clothing before reuse
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P405 Store locked up
P403+P233 Store in a well-ventilated place. Keep container tightly closed
P501 It is the responsibility of the waste generator to characterize all waste materials according to applicable regulatory entities.

Hazards Not Otherwise Classified: None

SECTION 3: Composition/Information on Ingredients

Identification	Name	Weight %
CAS Number: 1310-73-2	Sodium hydroxide	<20
CAS Number: 57-55-6	Propane-1,2-diol	<20
CAS Number: 68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivatives	<20
CAS Number: 102-71-6	2,2',2''-Nitrilotriethanol	<45
CAS Number: 1300-72-7	Sodium Xylenesulfonate	<25
CAS Number: 111-76-2	2-Butoxyethanol	<20
CAS Number: 52-51-7	Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	<5
CAS Number: 68648-87-3	Benzene, C10-16-alkyl derivs	<5
CAS Number: 107-21-1	Ethane-1,2-diol	<0.0135
CAS Number: 111-42-2	2,2'-iminodiethanol	<0.005

Additional Information: None

SECTION 4: First Aid Measures

Description of First Aid Measures

General Notes:

Not determined or not applicable.

After Inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention.

After Skin Contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After Eye Contact:

Immediately rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. Seek immediate medical attention, preferably from an ophthalmologist.

After Swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Acute Symptoms and Effects:

Exposure to skin may result in redness, pain, burning, inflammation and tissue damage. Exposure to eyes may result in irritation, redness, pain, inflammation, itching, burning, tearing, corneal damage and loss of vision. Exposure via inhalation may result in cough, sore throat, burning sensation and shortness of breath. Exposure via ingestion may result in burns of the mouth and throat, abdominal pain, burning sensation in the throat and chest, nausea, vomiting, shock or collapse.

Delayed Symptoms and Effects:

Effects are dependent on exposure (dose, concentration, contact time).

Exposure may cause cancer. Effects are dependent on exposure (dose, concentration, contact time).

Immediate Medical Attention and Special Treatment

Specific Treatment:

If respiratory symptoms persist, seek medical attention.

Overexposure via inhalation requires urgent medical treatment.

In case of eye contact, seek prompt medical attention while rinsing is continued.

In case of skin contact, seek prompt medical attention while rinsing is continued.

In case of ingestion, seek prompt medical attention.

Notes for the Doctor:

Not determined or not applicable.

SECTION 5: Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable Extinguishing Media:

Do not use water jet.

Specific Hazards During Fire-Fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

Special Protective Equipment for Firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Do not get on skin, eyes or on clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

Methods and Material for Containment and Cleaning Up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Avoid breathing dust, mist, fumes, vapors or spray. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Reference to Other Sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and Storage

Precautions for Safe Handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

Occupational Exposure Limit Values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Sodium hydroxide	1310-73-2	Ceiling Limit: 2 mg/m³
	2,2',2''-Nitrilotriethanol	102-71-6	8-Hour TWA: 5 mg/m³
	2-Butoxyethanol	111-76-2	8-Hour TWA: 20 ppm
	Ethane-1,2-diol	107-21-1	8-Hour TWA: 25 ppm (vapor fraction)
	Ethane-1,2-diol	107-21-1	15-Minute STEL: 50 ppm (vapor fraction)
	Ethane-1,2-diol	107-21-1	15-Minute STEL: 10 mg/m³ (aerosol only, inhalable fraction)
	2,2'-iminodiethanol	111-42-2	TWA: 1 mg/m³
OSHA	Sodium hydroxide	1310-73-2	8-Hour TWA-PEL: 2 mg/m³
	2-Butoxyethanol	111-76-2	8-Hour TWA-PEL: 240 mg/m³ (50 ppm)
	2,2'-iminodiethanol	111-42-2	TWA: 15 mg/m³ (3 ppm)
NIOSH	Sodium hydroxide	1310-73-2	IDLH: 10 mg/m³
	2-Butoxyethanol	111-76-2	IDLH: 700 ppm
	2-Butoxyethanol	111-76-2	REL-TWA: 24 mg/m³ (5 ppm [up to 10 hr])
	Sodium hydroxide	1310-73-2	Ceiling Limit: 2 mg/m³
	2,2'-iminodiethanol	111-42-2	TWA: 15 mg/m³ (3 ppm)
United States(California)	2,2',2''-Nitrilotriethanol	102-71-6	8-Hour TWA: 5 mg/m³
	Sodium hydroxide	1310-73-2	Ceiling Limit: 2 mg/m³
	2-Butoxyethanol	111-76-2	8-Hour TWA-PEL: 97 mg/m³ (20 ppm)
	Sodium hydroxide	1310-73-2	REL: 8 ug/m³ (Acute Inhalation)
	Ethane-1,2-diol	107-21-1	Ceiling Limit: 100 mg/m³ (40 ppm)
	2,2'-iminodiethanol	111-42-2	PEL: 2 mg/m³ (0.46 ppm)
United States	2-Butoxyethanol	111-76-2	8-Hour TWA: 120 mg/m³ (25 ppm [U.S. State, Tennessee])
WEEL	Propane-1,2-diol	57-55-6	TWA: 10 mg/m³

Biological Limit Values:

Country (Legal Basis)	Substance	Identifier	Determinant	Specimen	Sampling time	Permissible limits
ACGIH	2-Butoxyethanol	111-76-2	Butoxyacetic acid (with hydrolysis)	Creatinine in Urine	End of shift	200 mg/g

Information on Monitoring Procedures:

Not determined or not applicable.

Appropriate Engineering Controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or

equivalent).

Personal Protection Equipment

Eye and Face Protection:

Not determined or not applicable.

Skin and Body Protection:

Not determined or not applicable.

Respiratory Protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

General Hygienic Measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance	Liquid
Odor	Std.
Odor threshold	Not determined or not available.
pH	7
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

SECTION 10: Stability and Reactivity

Reactivity:
Not reactive under recommended handling and storage conditions.

Chemical Stability:
Stable under recommended handling and storage conditions.

Possibility of Hazardous Reactions:
Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to Avoid:
Avoid generation of aerosols and mists, extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.
Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Incompatible Materials:
None known.

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

SECTION 11: Toxicological Information

Acute Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Route	Result
Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	dermal	LD50 Rat: 1600 mg/kg
	oral	LD50 Rat: 193 mg/kg
	inhalation	LC50 Rat: > 0.588 mg/L (4 hr [aerosol])
Propane-1,2-diol	oral	LD50 Rat: 22,000 mg/kg
	dermal	LD50 Rabbit: >2000 mg/kg
	inhalation	LC50 Rabbit: > 44.9 mg/L (4hr [vapour])
2-Butoxyethanol	Dermal ATE	LD50 Rabbit: 1100 mg/kg
	Oral ATE	LD50 Rat: 1200 mg/kg
	Inhalation ATE	LC50 Rat: 3 mg/L (4 hr [Vapours])
Benzenesulfonic acid, C10-16-alkyl derivatives	inhalation	LC50 Rat: >1.9 mg/L (4 h [aerosol])
	Dermal ATE	LD50 Rabbit: 1100 mg/kg
	Oral ATE	LD50 Rat: 500 mg/kg
2,2',2''-Nitrilotriethanol	oral	LD50 Rat: 6400 mg/kg
	dermal	LD50 Rabbit: >2000 mg/kg
Sodium hydroxide	Oral ATE	LD50 Rat: 500 mg/kg
	dermal	LD50 Rabbit: 1350 mg/kg
Ethane-1,2-diol	dermal	LD50 Mouse: > 3500 mg/kg
	Oral ATE	LD50 Rat: 500 mg/kg (Converted acute toxicity point estimate)
	inhalation	LC50 Rat: >2.5 mg/L (6 hr [Aerosol])
2,2'-iminodiethanol	oral	LD50 Rat: 1100 mg/kg

Skin Corrosion/Irritation

Assessment:

Causes severe skin burns and eye damage.

Product Data:

No data available.

Substance Data:

Name	Result
Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	Causes skin irritation.
Sodium hydroxide	Causes severe skin burns.
2-Butoxyethanol	Causes skin irritation.
Benzenesulfonic acid, C10-16-alkyl derivatives	Causes severe skins burns.
2,2'-iminodiethanol	Causes skin irritation.

Serious Eye Damage/Irritation

Assessment:

Causes serious eye damage.

Product Data:

No data available.

Substance Data:

Name	Result
Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	Causes serious eye damage.
Sodium hydroxide	Causes serious eye damage.
2-Butoxyethanol	Causes serious eye irritation.
Sodium Xylenesulfonate	Causes serious eye irritation.
Benzenesulfonic acid, C10-16-alkyl derivatives	Causes serious eye damage.
2,2'-iminodiethanol	Causes serious eye damage.

Respiratory or Skin Sensitization

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Carcinogenicity

Assessment:

May cause cancer.

Product Data: No data available.

Substance Data: No data available.

International Agency for Research on Cancer (IARC):

Name	Classification
Sodium hydroxide	Not Applicable
2,2',2''-Nitrilotriethanol	Group 3
2-Butoxyethanol	Group 3

Name	Classification
Sodium Xylenesulfonate	Not Applicable
Benzenesulfonic acid, C10-16-alkyl derivatives	Not Applicable
Benzene, C10-16-alkyl derivs	Not Applicable
Ethane-1,2-diol	Not Applicable
Propane-1,2-diol	Not Applicable
Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	Not Applicable
2,2'-iminodiethanol	Group 2B

National Toxicology Program (NTP):

Name	Classification
Sodium hydroxide	Not Applicable
2,2',2''-Nitrilotriethanol	Not Applicable
2-Butoxyethanol	Not Applicable
Sodium Xylenesulfonate	Not Applicable
Benzenesulfonic acid, C10-16-alkyl derivatives	Not Applicable
Benzene, C10-16-alkyl derivs	Not Applicable
Ethane-1,2-diol	Not Applicable
Propane-1,2-diol	Not Applicable
Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	Not Applicable
2,2'-iminodiethanol	Not Applicable

OSHA Carcinogens:

Ingredient Name	CAS	OSHA Carcinogens Status
2,2'-iminodiethanol	111-42-2	Yes

Germ Cell Mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Reproductive Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data:

Name	Result
2,2'-iminodiethanol	Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure)

Assessment:

May cause respiratory irritation.

May cause drowsiness or dizziness.

Product Data:
No data available.
Substance Data:

Name	Result
Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	May cause respiratory irritation.

Specific Target Organ Toxicity (Repeated Exposure)
Assessment: Based on available data, the classification criteria are not met.
Product Data:
No data available.
Substance Data:

Name	Result
Ethane-1,2-diol	May cause damage to Kidney through prolonged or repeated oral exposure.
2,2'-iminodiethanol	May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity
Assessment: Based on available data, the classification criteria are not met.
Product Data:
No data available.
Substance Data: No data available.

Information on Likely Routes of Exposure:
No data available.
Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:
No data available.
Other Information:
No data available.

SECTION 12: Ecological Information

Acute (Short-Term) Toxicity
Assessment: Based on available data, the classification criteria are not met.
Product Data: No data available.
Substance Data:

Name	Result
Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	Aquatic Invertebrates EC50 Daphnia magna: 1.4 mg/L (48 hr [mobility])
	Fish LC50 Lepomis macrochirus: 11 mg/L (96 hr)
	Aquatic Plants EC50 Desmodesmus subspicatus: 0.026 mg/L (72 hr [growth rate])
Propane-1,2-diol	Fish LC50 Oncorhynchus mykiss: 51,600 mg/L (96 hr)
	Aquatic Plants EC50 Raphidocelis subcapitata: 19000 mg/L (96 hr [growth rate])
	Aquatic Invertebrates EC50 Daphnia magna: 43,500 mg/L (48 hr [Immobilisation])
2-Butoxyethanol	Aquatic Invertebrates EC50 Daphnia magna: 1550 mg/L (48 hr [mobility])
	Fish LC50 Oncorhynchus mykiss: 1474 mg/L (96 hr)
	Aquatic Plants EC50 Raphidocelis subcapitata: 623 mg/L (72 hr [biomass])

Name	Result
2,2',2''-Nitrilotriethanol	Fish LC50 Pimephales promelas: 11,800 mg/L (96 hr)
	Aquatic Invertebrates EC50 Ceriodaphnia dubia: 609.88 mg/L (48 hr [mortality])
	Aquatic Plants EC50 Desmodesmus subspicatus: 216 mg/L (72 hr [growth rate])
Ethane-1,2-diol	Aquatic Plants EC50 Raphidocelis subcapitata: 6500 - 13,000 mg/L (96 hr [growth rate])
	Aquatic Invertebrates EC50 Daphnia magna: > 100 mg/L (48 hr)
	Fish LC50 Pimephales promelas: 72,860 mg/L (96 hr)
Sodium hydroxide	Aquatic Invertebrates EC50 Ceriodaphnia sp.: 40.4 mg/L (48 hr [immobilization])
	Fish LC50 Fish: 35 - 189 mg/L (96 hr)
2,2'-iminodiethanol	Fish LC50 Oncorhynchus mykiss: 460 mg/L (96 hr)
	Aquatic Invertebrates EC50 Ceriodaphnia dubia: 30.1 mg/L (48 hr [mobility])
	Aquatic Plants EC50 Raphidocelis subcapitata: 9.5 mg/L (72 hr [growth rate])
Benzenesulfonic acid, C10-16-alkyl derivatives	Aquatic Invertebrates EC50 Daphnia magna: >1000 mg/L (48hr [mobility] Read-across)
	Aquatic Plants EC50 Raphidocelis subcapitata: >1000 mg/L (72 hr [growth rate] Read-across)

Chronic (Long-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Result
2,2',2''-Nitrilotriethanol	Aquatic Invertebrates NOEC Daphnia magna: 16 mg/L (21 d [mortality])
	Fish NOEC Fish: > 1 mg/L ([Calculation (Q)SAR])
2-Butoxyethanol	Fish NOEC Danio rerio: > 100 mg/L (21 d [markers for endocrine disruptive effects])
	Aquatic Invertebrates NOEC Daphnia magna: 100 mg/L (21 d [reproduction])
Ethane-1,2-diol	Fish NOEC Menidia peninsulae: > 40 mg/L (28 d [mortality])
	Aquatic Invertebrates NOEC Daphnia magna: > 15,000 mg/L mg/L (21 d [reproduction])
2,2'-iminodiethanol	Aquatic Invertebrates NOEC Daphnia magna: 0.78 mg/L (21 d [reproduction])
Propane-1,2-diol	Aquatic Invertebrates NOEC Ceriodaphnia sp.: 13020 mg/L (7 d [reproduction])
Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	Fish NOEC Oncorhynchus mykiss: 2.61 mg/L (28 d [mortality])
	Aquatic Invertebrates NOEC Daphnia magna: 0.27 mg/L (21 d [appearance of first brood, Immobility, number of unhatched eggs])

Persistence and Degradability

Product Data: No data available.

Substance Data:

Name	Result
Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	The substance is readily biodegradable. 70 - 80% degradation in water, measured by CO2 evolution, after 28 days.
Benzenesulfonic acid, C10-16-alkyl derivatives	Under test conditions no biodegradation observed.
Ethane-1,2-diol	The substance is Readily biodegradable. 90-100% degradation in water, measured by DOC removal, after 10 days.
Sodium hydroxide	Persistence assessment based on biodegradability is not relevant for inorganic compounds such as this substance.
2,2',2''-Nitrilotriethanol	The substance is readily biodegradable. 100% degradation measured by CO2 evolution, after 5 days.
2-Butoxyethanol	The substance is readily biodegradable. 90.4% degradation, measured by CO2 evolution, after 28 days.
Propane-1,2-diol	The substance is readily biodegradable. 81.7% degradation in water, measured by CO2 evolution, after 28 days.
2,2'-iminodiethanol	The substance is readily biodegradable. 93% degradation in water, measured by O2 consumption, after 28 days.

Bioaccumulative Potential

Product Data: No data available.

Substance Data:

Name	Result
2,2',2''-Nitrilotriethanol	Significant accumulation in organisms is not to be expected (BCF: < 3.9 L/kg).
Ethane-1,2-diol	The substance is not expected to bioaccumulate (log Pow=: -1.93).
Sodium hydroxide	Bioaccumulation assessment using a classic BCF assessment is not considered relevant for inorganic compounds such as this substance.
2-Butoxyethanol	The substance is not expected to bioaccumulate (log Kow = 0.83).
2,2'-iminodiethanol	The substance is not expected to bioaccumulate (BCF= 9.16 L/kg & log Pow= -2.46 at 25 °C).
Propane-1,2-diol	The substance is not expected to bioaccumulate (BCF: 0.09).
Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	The substance is not expected to bioaccumulate (BCF=3.9 L/kg basis-whole body w.w., QSAR substance data).

Mobility in Soil

Product Data: No data available.

Substance Data:

Name	Result
2,2',2''-Nitrilotriethanol	Substance is slightly mobile with high potential for adsorption to soil and sediment. (log Koc: 3.65 dimensionless).
Sodium hydroxide	Mobility in soil assessment based on KOC/Kd values are not relevant for inorganic compounds such as this substance.
Ethane-1,2-diol	Adsorption to the solid soil phase is not expected.
2,2'-iminodiethanol	The substance is expected to be highly mobile, therefore, adsorption to soil is not expected (calculated log Koc= 1).
Propane-1,2-diol	The substance is highly mobile, therefore, adosrption to soil is not expected (calculated Koc: 2.9).
Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	The substance is highly mobile; therefore, adsorption to soil is not expected (Koc= 1 L/kg at 25 °C, QSAR substance data).

Results of PBT and vPvB assessment

Product Data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Substance Data:

PBT assessment:

2,2',2''-Nitrilotriethanol	The substance is not PBT.
2-Butoxyethanol	The substance is not PBT.
Sodium hydroxide	PBT assessment does not apply to inorganic compounds such as this substance.
Ethane-1,2-diol	The substance is not PBT.
2,2'-iminodiethanol	The substance is not PBT.
Propane-1,2-diol	The substance is not PBT.
Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	The substance is not PBT.

vPvB assessment:

2,2',2''-Nitrilotriethanol	The substance is not vPvB.
2-Butoxyethanol	The substance is not vPvB.
Sodium hydroxide	vPvB assessment does not apply to inorganic compounds such as this substance.
Ethane-1,2-diol	The substance is not vPvB.
2,2'-iminodiethanol	The substance is not vPvB.
Propane-1,2-diol	The substance is not vPvB.
Bronopol (INN) 2-bromo-2-nitropropane-1,3-diol	The substance is not vPvB.

Other Adverse Effects: No data available.

SECTION 13: Disposal Considerations

Disposal Methods:

It is the responsibility of the waste generator to characterize all waste material according to regulatory entities.

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport Information

United States Transportation of Dangerous Goods (49 CFR DOT)

UN Number	Not Regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

International Maritime Dangerous Goods (IMDG)

Prep Soap

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

SECTION 15: Regulatory Information

United States Regulations

Inventory Listing (TSCA): All ingredients are listed-active or exempt.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export Notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 Extremely Hazardous Substances: None of the ingredients are listed.

SARA Section 313 Toxic Chemicals:

111-76-2	2-Butoxyethanol	Listed
107-21-1	Ethane-1,2-diol	Listed
111-42-2	2,2'-iminodiethanol	Listed

CERCLA:

1310-73-2	Sodium hydroxide	Listed	1000 lb
111-76-2	2-Butoxyethanol	Listed	N/A
107-21-1	Ethane-1,2-diol	Listed	5000 lbs
111-42-2	2,2'-iminodiethanol	Listed	100 lbs

RCRA: None of the ingredients are listed.

Section 112(r) of the Clean Air Act (CAA):

107-21-1	Ethane-1,2-diol	Listed

Massachusetts Right to Know:

107-21-1	Ethane-1,2-diol	Listed
1310-73-2	Sodium hydroxide	Listed
102-71-6	2,2',2''-Nitrilotriethanol	Listed
111-76-2	2-Butoxyethanol	Listed
111-42-2	2,2'-iminodiethanol	Listed

New Jersey Right to Know:

107-21-1	Ethane-1,2-diol	Listed
1310-73-2	Sodium hydroxide	Listed

102-71-6	2,2',2''-Nitrilotriethanol	Listed
111-76-2	2-Butoxyethanol	Listed
57-55-6	Propane-1,2-diol	Listed
111-42-2	2,2'-iminodiethanol	Listed

New York Right to Know:

107-21-1	Ethane-1,2-diol	Listed
1310-73-2	Sodium hydroxide	Listed
111-76-2	2-Butoxyethanol	Listed
111-42-2	2,2'-iminodiethanol	Listed

Pennsylvania Right to Know:

107-21-1	Ethane-1,2-diol	Listed
1310-73-2	Sodium hydroxide	Listed
102-71-6	2,2',2''-Nitrilotriethanol	Listed
111-76-2	2-Butoxyethanol	Listed
57-55-6	Propane-1,2-diol	Listed
111-42-2	2,2'-iminodiethanol	Listed

California Proposition 65:

⚠**WARNING:** This product can expose you to chemicals including Strong inorganic acid mists containing sulfuric acid and 2,2'-iminodiethanol which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Additional information: Not determined.

SECTION 16: Other Information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered 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 materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 0-0-0

HMIS: 0-0-0

Initial Preparation Date: 05.16.2019

Revision date: 02.08.2024

End of Safety Data Sheet