



# KOVKLEEN™ KLD III MEMBRANE CLEANER

## Section 1. Identification

GHS product identifier: KOVKLEEN KLD III MEMBRANE CLEANER

**Other means of identification:** Not available.

**Product type:** Liquid.

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

**Product use** : Specialty cleaners.

**Area of application** : Industrial applications.

**Supplier/Manufacturer** : John R. Hess & Company, Inc.  
400 Station Street  
Cranston, RI 02910  
1-800-828-4377

E-mail address of person responsible for this SDS: [custserv@jhess.com](mailto:custserv@jhess.com)

### Emergency telephone number

Infotrac 1-800-535-5053 (Spill, Leak, Fire, Exposure, Accident)  
+1 (352) 323-3500 (Outside North America)

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Classification of the substance or mixture

: ACUTE TOXICITY (oral) - Category 4

SKIN CORROSION - Category 1

SERIOUS EYE DAMAGE - Category 1

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 10%

### GHS label elements

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : Harmful if swallowed.  
Causes severe skin burns and eye damage.  
May cause respiratory irritation.

**Precautionary statements**

- Prevention** : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
- Response** : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements: Do not taste or swallow. Wash thoroughly after handling.

**Hazards not otherwise classified:** Causes digestive tract burns.

## Section 3. Composition/information on ingredients

**Substance/mixture**

**Other means of identification:** Mixture

**CAS number/other identifiers:** Not available.

**CAS number** : Not applicable.

**Product code** : Not available.

Ingredient name	Other names	%	CAS number
tetrasodium ethylene diamine tetraacetate	tetrasodium ethylenediaminetetraacetate	10-30	64-02-8
Nonylphenol, ethoxylated	Nonylphenol, ethoxylated	5-10	9016-45-9
Phosphoric acid, sodium salt, hydrate (1:3:12)	Not available.	1-5	10101-89-0
sodium hydroxide	sodium hydroxide	0.1-1	1310-73-2
trisodium nitrilotriacetate	trisodium nitrilotriacetate	0.1-1	5064-31-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.**

## Section 4. First aid measures

**Description of necessary first aid measures**

**Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

**Inhalation:** Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Skin contact:** Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes.  
Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### **Most important symptoms/effects, acute and delayed**

#### **Potential acute health effects**

**Eye contact** : Causes serious eye damage.  
**Inhalation** : May cause respiratory irritation.  
**Skin contact** : Causes severe burns.  
**Ingestion** : Harmful if swallowed. Corrosive to the digestive tract. Causes burns.

#### **Over-exposure signs/symptoms**

**Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness

**Inhalation:** Adverse symptoms may include the following:  
respiratory tract irritation  
coughing

**Skin contact:** Adverse symptoms may include the following: pain or irritation  
redness  
blistering may occur

**Ingestion:** Adverse symptoms may include the following: stomach pains

### **Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## **Section 5. Fire-fighting measures**

### **Extinguishing media**

**Suitable extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.

Use dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray (fog).

**Unsuitable extinguishing media:** Do not use water jet.

Specific hazards arising from the chemical: In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products:** Decomposition products may include the following

materials: carbon dioxide  
carbon monoxide  
nitrogen oxides  
sulfur oxides  
phosphorus oxides  
metal oxide/oxides  
hydrogen sulfide  
Ammonia.

**Special protective actions for fire-fighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

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

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training.

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

Precautions for safe handling Protective measures: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material

is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities:** Store between the following temperatures: 7 to 43°C (44.6 to 109.4°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

### Occupational exposure limits

Ingredient name	Exposure limits
sodium hydroxide	<b>ACGIH TLV (United States, 4/2014).</b> C: 2 mg/m <sup>3</sup> <b>OSHA PEL 1989 (United States, 3/1989).</b> CEIL: 2 mg/m <sup>3</sup> <b>NIOSH REL (United States, 10/2013).</b> CEIL: 2 mg/m <sup>3</sup> <b>OSHA PEL (United States, 2/2013).</b> TW A: 2 mg/m <sup>3</sup> 8 hours.

Appropriate engineering controls: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates more protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

**Skin protection Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should always be worn when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected

based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

Physical state : Liquid. [Clear.]

Color: Yellow. [Light]

**Odor:** Mild.

**Odor threshold** : Not available.

**pH:** 12.9

**Melting point:** Not available.

**Boiling point** : Not available.

**Flash point** : Closed cup: >93.333°C (>200°F)

**Evaporation rate** : Not available.

**Flammability (solid, gas)** : Not applicable.

Lower and upper explosive (flammable) limits: Not available.

**Vapor pressure** : Not available.

**Vapor density** : Not available.

**Relative density** : 1.13 [at 20°C / 68°F]

**Solubility:** Easily soluble in the following materials: cold water and hot water.

**Solubility in water** : Not available.

Partition coefficient: n- octanol/water: Not available.

**Auto-ignition temperature:** Not available.

**Decomposition temperature** : Not available.

SADT: Not available.

**Viscosity:** Not available.

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

### Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Under normal conditions of storage and use, hazardous polymerization will not occur.

**Conditions to avoid** : Keep away from heat, sparks and flame.

**Incompatible materials** : Can react with certain metals, such as aluminum, to produce flammable hydrogen gas.  
Reactive or incompatible with the following materials:  
acids

### 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

Product/ingredient name	Result	Species	Dose	Exposure
tetrasodium ethylene diamine tetraacetate	LD50 Oral	Rat	10 g/kg	-
Nonylphenol, ethoxylated	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	1310 mg/kg	-
Phosphoric acid, sodium salt, hydrate (1:3:12)	LD50 Oral	Rat	7400 mg/kg	-
trisodium nitrilotriacetate	LD50 Oral	Rat	1100 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
tetrasodium ethylene diamine tetraacetate	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
Nonylphenol, ethoxylated	Eyes - Severe irritant	Guinea pig	-	20 milligrams	-
	Eyes - Severe irritant	Mouse	-	20 milligrams	-
	Eyes - Severe irritant	Rabbit	-	20 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
sodium hydroxide	Eyes - Mild irritant	Rabbit	-	400 Micrograms	-
	Eyes - Severe irritant	Rabbit	-	24 hours 50 Micrograms	-
	Eyes - Severe irritant	Rabbit	-	1 Percent	-
	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1 milligrams	-
	Skin - Severe irritant	Rabbit	-	24 hours 500 milligrams	-

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
trisodium nitrilotriacetate	-	2B	-

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs

tetrasodium ethylene diamine tetraacetate	Category 3	Not applicable.	Respiratory tract irritation
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**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Information on the likely routes of exposure**

**Potential acute health effects**

: Routes of entry anticipated: Oral, Dermal, Inhalation.

- Eye contact** : Causes serious eye damage.
- Inhalation** : May cause respiratory irritation.
- Skin contact** : Causes severe burns.
- Ingestion** : Harmful if swallowed. Corrosive to the digestive tract. Causes burns.

**Symptoms related to the physical, chemical and toxicological characteristics**

- Eye contact** : Adverse symptoms may include the following:  
 pain  
 watering  
 redness

Inhalation: Adverse symptoms may include the following: respiratory tract irritation  
 coughing

**Skin contact:** Adverse symptoms may include the following: pain or irritation  
 redness  
 blistering may occur

**Ingestion:** Adverse symptoms may include the following: stomach pains

**Delayed and immediate effects and chronic effects from short- and long-term exposure Short term exposure**

**Potential immediate effects:** Not available.

**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects:** Not available.

**Potential delayed effects** : Not available.

**Potential chronic health effects**

Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : **No known significant effects or critical hazards.**

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**

Route	ATE value
Oral	1478.6 mg/kg
Dermal	20000 mg/kg

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
tetrasodium ethylene diamine tetraacetate Nonylphenol, ethoxylated	Acute LC50 1030000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute EC50 12 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute LC50 1.23 mg/l Marine water	Crustaceans - Americamysis bahia	48 hours
	Acute LC50 0.148 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 1300 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 8 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
sodium hydroxide	Chronic NOEC 35 µg/l Fresh water	Fish - Oryzias latipes - Fry	100 days
	Acute EC50 40.38 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
trisodium nitrilotriacetate	Acute LC50 125 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
	Acute LC50 185000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute LC50 560000 to 1000000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 98000 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 100000 µg/l Fresh water	Algae - Algae - Exponential growth phase	96 hours
	Chronic NOEC 100000 µg/l Fresh water	Daphnia - Daphnia magna	21 days

### Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
tetrasodium ethylene diamine tetraacetate	302B Inherent Biodegradability: Zahn-Wellens/EMPA Test	1 to 15 % - 14 days	-	-
trisodium nitrilotriacetate	302B Inherent Biodegradability: Zahn-Wellens/EMPA Test	99 % - 28 days	-	-
	301F Ready Biodegradability - Manometric Respirometry Test	92 % - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
tetrasodium ethylene diamine tetraacetate	-	-	Not readily
trisodium nitrilotriacetate	-	-	Readily

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## Section 12. Ecological information

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential

tetrasodium ethylene diamine tetraacetate	5.01	1.8	low
trisodium nitrilotriacetate	-2.62	-	low

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	IMDG	IATA
<b>UN number</b>	UN3267	UN3267	UN3267
<b>UN proper shipping name</b>	Corrosive liquid, basic, organic, n.o.s. (tetrasodium ethylene diamine tetraacetate)	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (tetrasodium ethylene diamine tetraacetate). Marine pollutant (Nonylphenol, ethoxylated)	Corrosive liquid, basic, organic, n.o.s. (tetrasodium ethylene diamine tetraacetate)
<b>Transport hazard class(es)</b>	8	8 	8 
<b>Packing group</b>	III	III	III

Environmental hazards	No.	Yes.	No.
<b>Additional information</b>	<p><b>Limited quantity</b> Yes.</p> <p><b>Packaging instruction</b> <b>Passenger aircraft</b> Quantity limitation: 5 L</p> <p><b>Cargo aircraft</b> Quantity limitation: 60 L</p> <p><b>Special provisions</b></p>	<p>The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.</p> <p><b>Emergency schedules (EmS)</b> F-A, S-B</p> <p><b>Special provisions</b> 223, 274</p>	<p>The environmentally hazardous substance mark may appear if required by other transportation regulations.</p> <p><b>Passenger and Cargo Aircraft</b> Quantity limitation: 5 L Packaging instructions: 852</p> <p><b>Cargo Aircraft Only</b> Quantity limitation: 60 L Packaging instructions: 856</p>

IB3, T7, TP1, TP28

**Limited Quantities -  
Passenger Aircraft**

Quantity limitation: 1 L  
Packaging instructions: Y841

**Special provisions**

A3, A803

**Special precautions for user**

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

: Not available.

**Section 15. Regulatory information**

**U.S. Federal regulations** : TSCA 8(a) PAIR: Nonylphenol, ethoxylated

**United States inventory (TSCA 8b):** All components are listed or exempted.

**Clean Water Act (CWA) 311:** Phosphoric acid, sodium salt, hydrate (1:3:12); sodium hydroxide

**Clean Air Act Section 112**

**(b) Hazardous Air Pollutants (HAPs) :** Not listed

**Clean Air Act Section 602 Class I Substances:** Not listed

**Clean Air Act Section 602 Class II Substances:** Not listed

**DEA List I Chemicals (Precursor Chemicals) :** Not listed

**DEA List II Chemicals (Essential Chemicals) :** Not listed

**SARA 302/304**

**Composition/information on ingredients**

No products were found.

SARA 304 RQ SARA 311/312: Not applicable.

**Classification** : Immediate (acute) health hazard

**Composition/information on ingredients**

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
tetrasodium ethylene diamine tetraacetate	10-30	Yes.	No.	No.	Yes.	No.
Nonylphenol, ethoxylated	5-10	No.	No.	No.	Yes.	No.
Phosphoric acid, sodium salt, hydrate (1:3:12)	1-5	No.	No.	No.	Yes.	No.
sodium hydroxide	0.1-1	No.	No.	No.	Yes.	No.
trisodium nitrilotriacetate	0.1-1	Yes.	No.	No.	Yes.	Yes.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

4-Nonylphenol branched, CAS 127087-87-0 5% = 10%  
Ethoxylated (EO = 9.5)

**State regulations**

**Massachusetts** : The following components are listed: PHOSPHORIC ACID TRISODIUM SALT, DODECAHYDRATE

New York : The following components are listed: Sodium phosphate, tribasic

New Jersey : None of the components are listed.

Pennsylvania: The following components are listed: PHOSPHORIC ACID, TRISODIUM SALT, DODECAHYDRATE

**California Prop. 65**

None of the components are listed.

**Section 16. Other information**

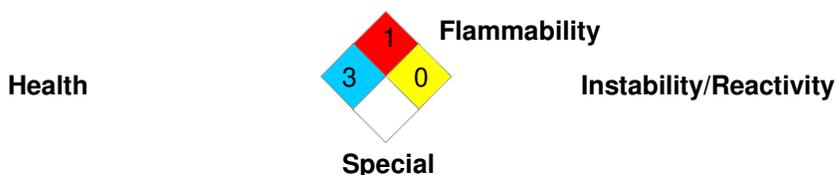
**Hazardous Material Information System (U.S.A.)**

Health	*	3
Flammability		1
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

**National Fire Protection Association (U.S.A.)**



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**History**

**Date of issue** : 12/28/2023

**Date of previous issue** : 7/14/2021

**Version: 7**

**Prepared by:** HSE Department

**Key to abbreviations**

: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

**References** : HCS (U.S.A.)- Hazard Communication Standard  
International transport regulations

**Disclaimer**

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