



Safety Data Sheet Hydrocide

SDS Revision Date:

04/29/2015

1. Identification

1.1. Product identifier

Product Identity

Hydrocide

Alternate Names

Product Code: 655

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

Intended use

One-Step Disinfectant Cleaner, Bactericide, Virucide, Fungicide (against pathogenic fungi)

Application Method

DISINFECTION - To disinfect inanimate, hard, non-porous surfaces add 2 ounces of Hydrocide per gallon of water. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For heavily soiled areas, a pre-cleaning step is required.

Prepare a fresh use-solution daily or more often if the use-solution becomes visibly dirty or diluted.

GENERAL CLEANING - Apply this product to soiled area with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer. This product can be diluted at 2 ounces per gallon or applied at full strength. Thoroughly wet soiled surface and scrub as necessary.

1.3. Details of the supplier of the safety data sheet

Company Name

Hydrox Laboratories

825 Tollgate Rd.

Elgin, IL 60123

Emergency

24 hour Emergency Telephone No.

800-255-3924

Customer Service: Hydrox Laboratories

847-468-9400

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Irrit. 2;H315

Causes skin irritation.

Eye Irrit. 2;H319

Causes serious eye irritation.



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2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Warning

H315 Causes skin irritation.

H319 Causes serious eye irritation.

[Prevention]:

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P321 Specific treatment (see information on this label).

P332+313 If skin irritation occurs: Get medical advice / attention.

P337+313 If eye irritation persists: Get medical advice / attention.

P362 Take off contaminated clothing and wash before reuse.

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|----------|--|-------|
| Nonylphenol polyethylene glycol ether CAS Number: 0127087-87-0 | 1.0 - 10 | Eye Dam. 1;H318 Acute Tox. 4;H302 Skin Irrit. 2;H315 | [1] |
| Sodium carbonate CAS Number: 0000497-19-8 | 1.0 - 10 | Eye Irrit. 2;H319 | [1] |
| Quaternary ammonium compounds, benzyl-C12-18- | 1.0 - 10 | Acute Tox. 4;H302 | [1] |



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| | | | |
|---|----------|--|-----|
| alkyldimethyl, chlorides CAS Number: 0068391-01-5 | | Skin Corr. 1B;H314 Aquatic Acute 1;H400 | |
| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides CAS Number: 0085409-23-0 | 1.0 - 10 | Acute Tox. 4;H302 Skin Corr. 1;H314 Aquatic Acute 1;H400 | [1] |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Eyes

Promptly wash eyes with plenty of water while lifting the eye lids. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or Poison Control Center immediately. Obtain medical attention and take along these instructions.

Skin

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion

Call a physician or Poison Center immediately. Give one or two glasses of water if patient is alert and able to swallow. Seek immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

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

Overview

No specific symptom data available.

Note to physician: If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately. See section 2 for further details.

Eyes

Causes serious eye irritation.

Skin

Causes skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water fog.



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5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

5.3. Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

None

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Wear appropriate protective equipment and clothing during clean-up.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Large Spills: Dike far ahead of liquid spill for later disposal.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

7. Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Wash hands thoroughly after handling. Avoid breathing vapors or mists of this product.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities



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Handle containers carefully to prevent damage and spillage.

Incompatible materials: Strong oxidizing agents Anionic surfactants

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE: Store in a dry place no lower in temperature than 50F or higher than 120F.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|--------------|---|----------|----------------------|
| 0000497-19-8 | Sodium carbonate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 0068391-01-5 | Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 0085409-23-0 | Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 0127087-87-0 | Nonylphenol polyethylene glycol ether | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|---|--------|--|
| 0000497-19-8 | Sodium carbonate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0068391-01-5 | Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |



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| | | | |
|--------------|---|------|--|
| 0085409-23-0 | Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0127087-87-0 | Nonylphenol polyethylene glycol ether | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

8.2. Exposure controls

| | |
|-----------------------------|---|
| Respiratory | If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided. |
| Eyes | Wear chemical goggles and face shield. |
| Skin | Wear suitable protective clothing. Use impervious gloves. |
| Engineering Controls | Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn. |
| Other Work Practices | Eye wash fountain and emergency showers are recommended. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. |

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

| | |
|---|--|
| Appearance | Bluish Green Clear Liquid |
| Odor | Lavender |
| Odor threshold | Not Measured |
| pH | 11.2-12.2 |
| Melting point / freezing point | 32F (0C) |
| Initial boiling point and boiling range | 212F (100C) |
| Flash Point | >201F (>93.9C) |
| Evaporation rate (Ether = 1) | Slower Than Ethyl Ether |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured |
| Vapor pressure (Pa) | Not Measured |
| Vapor Density | Heavier Than Air |
| Specific Gravity | Not Measured |
| Solubility in Water | Complete |



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Partition coefficient n-octanol/water (Log Kow) Not Measured

Auto-ignition temperature Not Measured

Decomposition temperature Not Measured

Viscosity (cSt)

VOC Content 0%

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Strong oxidizing agents Anionic surfactants

10.6. Hazardous decomposition products

Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

11. Toxicological information

Acute toxicity

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|--|--------------------------------|----------------------------|---------------------------------------|---|--------------------------------|
| Nonylphenol polyethylene glycol ether - (127087-87-0) | No data available | No data available | No data available | No data available | No data available |
| Sodium carbonate - (497-19-8) | 4,090.00, Rat - Category: 5 | No data available | No data available | No data available | No data available |
| Quaternary ammonium compounds, benzyl-C12-18- alkyldimethyl, chlorides - (68391-01-5) | 85No data available 4 | 2,30No data available 5 | No data available | No data available | No data available |
| Quaternary ammonium compounds, C12-14- alkyl[(ethylphenyl)methyl]dimethyl, chlorides - (85409-23- 0) | No data available | No data available | No data available | No data available | No data available |



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Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification | Category | Hazard Description |
|-------------------------------|----------|--------------------------------|
| Acute toxicity (oral) | --- | Not Applicable |
| Acute toxicity (dermal) | --- | Not Applicable |
| Acute toxicity (inhalation) | --- | Not Applicable |
| Skin corrosion/irritation | 2 | Causes skin irritation. |
| Serious eye damage/irritation | 2 | Causes serious eye irritation. |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | --- | Not Applicable |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | --- | Not Applicable |
| STOT-single exposure | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

12. Ecological information

12.1. Toxicity

Harmful to aquatic life.

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|--|-----------------------------|----------------------------|----------------------------------|
| Nonylphenol polyethylene glycol ether - (127087-87-0) | Not Available | Not Available | Not Available |
| Sodium carbonate - (497-19-8) | 300.00, Lepomis macrochirus | 265.00, Daphnia magna | 242.00 (72 hr), Freshwater Algae |
| Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides - (68391-01-5) | 0.52, Fish (Piscis) | Not Available | 0.80 (96 hr), Algae |
| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides - (85409-23-0) | Not Available | Not Available | Not Available |

12.2. Persistence and degradability



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There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

Not regulated.

15. Regulatory information

| | |
|--|--|
| Regulatory Overview | The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. |
| Toxic Substance Control Act (TSCA) | All components of this material are either listed or exempt from listing on the TSCA Inventory. |
| WHMIS Classification | D2B |
| US EPA Tier II Hazards | Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No |

EPCRA 311/312 Chemicals and RQs:

No chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

No chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

No chemicals at levels which require reporting under this statute.



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Proposition 65 - Carcinogens (>0.0%):

No chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

No chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

No chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

No chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%) :

No chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%) :

No chemicals at levels which require reporting under this statute.

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

Disclaimer: The contents of this SDS are believed to be correct but do not purport to be all-inclusive and should only be used as a guide. Hydrox Laboratories, Inc. disclaims any express or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental or consequential damages resulting from the reliance on the above information.

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