



SAFETY DATA SHEET

according to WHS and ADG requirements

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BioSentry® BioPhene™ Disinfectant

Revision 1
Revision date 2020-01-29

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

1.1. Product identifier

Product name	BioSentry® BioPhene™ Disinfectant
Product code	D12670100, D12695607, D12709568

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC8] Biocidal products (e.g. Disinfectants, pest control);
Description	Disinfectant.

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

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

	Manufactured By: HACCO, Inc. 110 Hopkins Dr. Randolph, WI 53956-1316 U.S.A. HACCO, Inc. is a wholly-owned subsidiary of Neogen Corporation.
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


2.1.2. Classification - GHS	Flam. Liq. 3: H226; Skin Corr. 1B: H314; Skin Sens. 1: H317; Acute Tox. 4: H332; STOT SE 3: H335; STOT SE 3: H336; Carc. 1A: H350; STOT RE 2: H373;
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2.2. Label elements

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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	<p>Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Sens. 1: H317 - May cause an allergic skin reaction. Acute Tox. 4: H332 - Harmful if inhaled. STOT SE 3: H335 - May cause respiratory irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. Carc. 1A: H350 - May cause cancer . STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .</p>
Precautionary Statement: Prevention	<p>P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection.</p>
Precautionary Statement: Response	<p>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. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 - Call a POISON CENTER/doctor/ if you feel unwell. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse.</p>
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations

2.3. Other hazards

Other hazards	Contact with acids liberates toxic gas.
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Further information

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

3.2. Mixtures

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3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Sodium sulfite		7757-83-7	231-821-4		0 - 0.5%	EUH031;
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5		1 - 10%	Skin Corr. 1A: H314;
Isopropanol (Isopropyl alcohol)	603-117-00-0	67-63-0	200-661-7		10 - 20%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;
2-Benzyl-4-chlorophenol		120-32-1	204-385-8		1 - 10%	Skin Irrit. 2: H315; Eye Dam. 1: H318; Acute Tox. 4: H332; STOT SE 3: H335; STOT RE 2: H373;
2-Phenylphenol (ISO)	604-020-00-6	90-43-7	201-993-5		1 - 10%	Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Aquatic Acute 1: H400;
Sulfonated phenyl ether (Phenyl ether (vapour))		101-84-8			1 - 10%	Eye Irrit. 2: H319;
Alkybenzenesulfonic acid, C(10-16)		68584-22-5	271-528-9		1 - 10%	Acute Tox. 4: H302; Acute Tox. 3: H311; Skin Corr. 1B: H314; Eye Dam. 1: H318; Acute Tox. 2: H330; Carc. 1A: H350; STOT RE 2: H373;
tetrasodium ethylene diamine tetraacetate	607-428-00-2	64-02-8	200-573-9		1 - 10%	Acute Tox. 4: H302; Eye Dam. 1: H318;
p-tert-Amylphenol		80-46-6	201-280-9		1 - 10%	Acute Tox. 4: H302; Acute Tox. 4: H302+H312; Acute Tox. 4: H312; Skin Corr. 1A: H314; Skin Sens. 1: H317; Eye Dam. 1: H318; STOT SE 3: H336;
Fragrance, Universal					0 - 0.5%	Flam. Liq. 4: H227; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Carc. 2: H351; STOT SE 2: H371;

Description

	Included on the Candidate List of Substances of Very High Concern: [p-tert-Amylphenol (Amylphenols), CAS No. 80-46-6].
	Concentrations listed are not product specifications.

Further information

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

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention.
Skin contact	Rinse immediately with plenty of water. Remove contaminated clothing. Seek medical attention.
Ingestion	DO NOT INDUCE VOMITING unless advised to do so by a doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory
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4.2. Most important symptoms and effects, both acute and delayed

	irritation.
Eye contact	Causes burns. Risk of serious damage to eyes.
Skin contact	Causes burns. Danger of very serious irreversible effects.
Ingestion	Causes burns. Ingestion may cause nausea and vomiting. Seek medical attention.

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

	Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. IF exposed or concerned: Get medical advice/attention. If medical advice is needed, have product container or label at hand.
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Further information

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

5.1. Extinguishing media

	In case of fire, use carbon dioxide (CO ₂), Alcohol resistant foam, Dry chemical, Foam. Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	In case of fire and/or explosion do not breathe fumes. Vapour may travel considerable distance to source of ignition and flash back. Heat will increase pressure in sealed containers. Corrosive. Contains substance(s) which are hazardous to the environment. Do not allow runoff water to enter sewers or drains.
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5.3. Advice for firefighters

	Flammable liquid and vapour. In case of fire and/or explosion do not breathe fumes. Wear self contained breathing apparatus and protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Flammable liquid. Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid sparks, flames, heat and sources of ignition. Ensure adequate ventilation of the working area. Use as appropriate: Protective equipment. Avoid prolonged or repeated exposure.
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6.2. Environmental precautions

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

	Flammable liquid. Absorb with inert, absorbent material. Collect spillage. Transfer to suitable, labelled containers for disposal. Dispose of this material and its container to hazardous or special waste collection point. Do not contaminate water by cleaning of equipment or disposal of wastes. Clean with detergents. Avoid solvents.
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6.4. Reference to other sections

	See section 2, 8 & 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or
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7.1. Precautions for safe handling

disposal of wastes. Use as appropriate: Protective clothing.
Read the entire label and follow all use directions, restrictions, and precautions.

7.2. Conditions for safe storage, including any incompatibilities

Flammable liquid and vapour. Contact with combustible material may cause fire. Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.

7.3. Specific end use(s)

See Section 1.2 for further information.

Further information

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Isopropanol (Isopropyl alcohol)	TWA ppm: 400 STEL ppm: 500 Advisory Carc Cat: -	TWA mg/m3: 983 STEL mg/m3: 1230
Sodium hydroxide	TWA ppm: - STEL ppm: - Advisory Carc Cat: -	TWA mg/m3: 2 Peak limitation STEL mg/m3: -
Sulfonated phenyl ether (Phenyl ether (vapour))	TWA ppm: 1 STEL ppm: 2 Advisory Carc Cat: -	TWA mg/m3: 7 STEL mg/m3: 14

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Use as appropriate: Protective equipment.

Eye / face protection

Use as appropriate: Suitable eye protection.

Skin protection - Handprotection

Use as appropriate: Chemical-resistant gloves made of any waterproof material.

Skin protection - Other

Use as appropriate: Protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Occupational exposure controls

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep away from food, drink and animal feedingstuffs. Provide chemical shower. Provide eye wash station.

Further information

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Further information

Refer to product label for additional PPE requirements and recommendations. Follow label instructions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Amber
Odour	Alcoholic
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Evaporation rate	No data available
Oxidising properties	No data available
Initial boiling point	> 100 °C
Flash point	≈ 38 °C
Flammability (solid, gas)	Not applicable.
Explosive properties	Not applicable.
Solubility	Soluble in water

9.2. Other information

VOC (Volatile organic compounds)	≈ 13 %
Gas group	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Contact with combustible material may cause fire. Keep away from oxidising agents, Combustible materials. Contact with acids liberates toxic gas.

10.6. Hazardous decomposition products

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10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Harmful by inhalation. May be harmful if swallowed. May be harmful in contact with skin.
Skin corrosion/irritation	Causes burns. Danger of very serious irreversible effects. Sensitization after skin contact possible.
Serious eye damage/irritation	Causes burns. Causes severe inflammation and may damage the cornea.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	Carcinogen category 1. Listed by the International Agency for Research on Cancer (IARC) as a group 3 substance: evidence does not support the substance as a human carcinogen, [Isopropanol, CAS No. 67-63-0], [o-Phenylphenol, CAS No. 90-43-7]. Not listed in the National Toxicology Program (NTP) 14th Report on Carcinogens. Not listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
STOT-repeated exposure	Component(s) may cause damage to human organs based on animal data.
Aspiration hazard	No Significant Hazard.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

11.1.2. Mixtures

See Section(s) 3 for further information.

11.1.3. Hazard Information

See Section(s) 2 and 3 for further information.

11.1.4. Toxicological Information

No data available

11.1.5. Hazard Class

See Section(s) 2 and 14 for further information.

11.1.6. Classification Criteria

Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.

11.1.7. Information on likely routes of exposure

Eye contact. Skin contact. Inhalation. Ingestion.

11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

See Section(s) 4.2 for further information.

11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

See Section(s) 4.2 for further information.

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11.1.10. Interactive effects

No data available.

11.1.11. Absence of specific data

<1% of this mixture consists of ingredients of unknown acute toxicity.

11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

11.1.13. Other information

Caution - substance not yet fully tested.

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

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No data available

2-Phenylphenol (ISO) 3 log P

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of as special waste in compliance with local and national regulations.

Disposal methods

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

Disposal of packaging

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

Further information

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

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SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN2924

14.2. UN proper shipping name

FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Isopropanol, Phenols)

14.3. Transport hazard class(es)

ADG	3
Subsidiary risk	8
IMDG / GGVSee	3
Subsidiary risk	8
IATA / ICAO / DGR	3
Subsidiary risk	8

14.4. Packing group

Packing group III

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADG

Hazard ID	38
Tunnel Category	(D/E)

IMDG / GGVSee

EmS Code F-E S-C

IATA / ICAO / DGR

Packing Instruction (Cargo)	365
Maximum quantity	60 L
Packing Instruction (Passenger)	354
Maximum quantity	5 L

SECTION 15: Regulatory information

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

Regulations	This document has been prepared in accordance with the requirements set out in the Work Health and Safety Regulation 2017 under the Work Health and Safety Act 2011.
Chemical Inventories/Right-to-Know Lists:	--International--. Basel Convention (Hazardous Waste): H3. Chemical Weapons Convention (OPCW): This material contains no reportable components. Kyoto Protocol Greenhouse Gases: This material contains no reportable components. Mercosur Agreement: Not applicable.

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

Montreal Protocol: This material contains no reportable components.
The Rotterdam Convention: This material contains no reportable components.
The Stockholm Convention: This material contains no reportable components.

--Asia and the ASEAN Nations--.

Catalog of Hazardous Chemicals (China): [111, Isopropanol, CAS No. 67-63-0], [69, o-Phenylphenol, CAS No. 90-43-7].
Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This material contains no reportable components.
Chemical Substances Control Law (Japan): Priority Assessment, (human health), [102, Isopropanol, CAS No. 67-63-0], Class I environmental release, Air Pollution Control Law., Water Pollution Control Law., [o-Phenylphenol, CAS No. 90-43-7], Class I environmental release, [Phenyl ether, CAS No. 101-84-8], [Sodium hydroxide (solution), CAS No. 1310-73-2]. Type II monitoring, No. 1088 [o-Phenylphenol, CAS No. 90-43-7]. Type III monitoring, No. 98 [Phenyl ether, CAS No. 101-84-8].
Industrial Safety and Health Act, Dangerous Substances (Japan): Labeling/Notification required, Second-class organic solvents, etc., [Isopropanol, CAS No. 67-63-0], Labeling/Notification required, [Phenyl ether, CAS No. 101-84-8], [Sodium hydroxide (solution), CAS No. 1310-73-2]. Administrative controls, reg. no. 37 [Isopropanol, CAS No. 67-63-0].
Poisonous and Deleterious Substances Act (Japan): This material contains no reportable components.
Chemical Substances Subject to Permission (Korea): Priority Control substance, [p-tert-Amylphenol, CAS No. 80-46-6].
Restricted or Prohibited Substances (Korea): This material contains no reportable components.
Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): Schedule I exposure standard, CLASS regulation, [Isopropanol, CAS No. 67-63-0], [Sodium hydroxide (solution), CAS No. 1310-73-2], Schedule I exposure standard, [Phenyl ether, CAS No. 101-84-8].
Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients listed or exempt.
Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): [1/10, o-Phenylphenol, CAS No. 90-43-7].
Hazardous Substances Act (Thailand): This material contains no reportable components.
Law on Chemicals (Vietnam): Annex I, Appendix VII, [Isopropanol, CAS No. 67-63-0], [Sodium hydroxide (solution), CAS No. 1310-73-2].

--Australia and New Zealand--.

Australian Dangerous Goods Code: Class 3.
Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt.
New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt.

--European Union (EU) and the United Kingdom (UK)--.

Annex XVII for REACH: This material contains no reportable components.
Article 95 of the Biocidal Products Regulation (BPR): [PT1, Isopropanol, CAS No. 67-63-0], [PT2, 2-Benzyl-4-chlorophenol, CAS No. 120-32-1], [PT1, o-Phenylphenol, CAS No. 90-43-7].
Authorisation List (Annex XIV of REACH): This material contains no reportable components.

--North America--.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt.
Toxic Substances Control Act (TSCA): All ingredients listed or exempt.
Massachusetts Right-to-Know Hazardous Substance List: Isopropanol, o-Phenylphenol,

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

Amylphenols, Sodium hydroxide.
New Jersey Worker and Community Right to Know Act: Isopropyl alcohol, o-Phenylphenol, Phenyl ether, Amylphenols, Sodium hydroxide.
Pennsylvania Right to Know Law: 2-Propanol, o-Phenylphenol, Benzene, 1,1'-oxybis, Phenol, 4-chloro, Sodium hydroxide.
Rhode Island Right-to-Know General Law: Isopropyl alcohol, Phenyl ether (vapor), Amylphenols (skin), Sodium hydroxide.

****California residents please note**.**
WARNING: This product can expose you to chemicals, including o-Phenylphenol, CAS No. 90-43-7, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Other information

Revision	
	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> 1 - Description. 1 - Product Use. 1 - Manufactured By:. 2 - Other hazards. 2 - 2.1. Classification of the substance or mixture. 2 - 2.1.2. Classification - GHS. 2 - Hazard pictograms. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Storage. 2 - Precautionary Statement: Disposal. 2 - Further information. 3 - Description. 4 - Skin contact. 4 - Eye contact. 4 - Inhalation. 4 - Eye contact. 4 - Skin contact. 4 - Ingestion. 4 - Further information. 5 - 5.2. Special hazards arising from the substance or mixture. 7 - Further information. 8 - Further information. 9 - 9.1. Information on basic physical and chemical properties (PH). 9 - 9.1. Information on basic physical and chemical properties (Flash point). 9 - 9.1. Information on basic physical and chemical properties (Flammability (solid, gas)). 9 - 9.1. Information on basic physical and chemical properties (Explosive properties). 9 - 9.1. Information on basic physical and chemical properties (Fat Solubility). 9 - 9.2. Other information (VOC (Volatile organic compounds)). 9 - 9.2. Other information (Conductivity). 9 - 9.2. Other information (Gas group). 9 - 9.2. Other information (Surface tension). 9 - 9.2. Other information (Product Subcategory). 10 - 10.5. Incompatible materials. 11 - Acute toxicity. 11 - Skin corrosion/irritation.

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	<p>11 - Carcinogenicity. 11 - Serious eye damage/irritation. 12 - 12.1. Toxicity. 12 - 12.6. Other adverse effects. 13 - Further information. 14 - ADG. 14 - IMDG / GGVSee. 14 - IATA / ICAO / DGR. 15 - Hazard Statement. 15 - Chemical Inventories/Right-to-Know Lists:. 16 - Maximum content of VOC.</p>
<p>Acronyms</p>	<p>ACGIH: American Conference of Governmental Industrial Hygienists. ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR). CAS No.: Chemical Abstracts Service. CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia). GHS: Globally Harmonized System. HCS 2012: U.S. Hazard Communication Standard (2012 revision). IATA: International Air Transport Association. ICAO: International Civil Aviation Organisation. IMDG: International Maritime Dangerous Goods. LC: Lethal concentration. LD: Lethal dose. OEL: Occupational exposure limit. OSHA: U.S. Occupational Safety and Health Administration. PEL: Permissible Exposure Limit. REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals. SVHC: Substance of very high concern. UN: United Nations. US DOT: United States Department of Transportation. VOC: Volatile Organic Compound. WEL: Workplace Exposure Limit.</p>
<p>Text of Hazard Statements in Section 3</p>	<p>AUH031 - Contact with acids liberates toxic gas. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. STOT SE 3: H336 - May cause drowsiness or dizziness. Eye Dam. 1: H318 - Causes serious eye damage. Acute Tox. 4: H332 - Harmful if inhaled. STOT SE 3: H335 - May cause respiratory irritation. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure . Aquatic Acute 1: H400 - Very toxic to aquatic life. Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 3: H311 - Toxic in contact with skin. Acute Tox. 2: H330 - Fatal if inhaled. Carc. 1A: H350 - May cause cancer . Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin Skin Sens. 1: H317 - May cause an allergic skin reaction. Flam. Liq. 4: H227 - Combustible liquid.</p>

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	<p>Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Carc. 2: H351 - Suspected of causing cancer . STOT SE 2: H371 - May cause damage to organs .</p>
Maximum content of VOC	13 %.

Further information

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