

## SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/9

### Dyne-O-Might®

Revision 1  
Revision date 2018-10-24

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

##### 1.1. Product identifier

Product name	Dyne-O-Might®
Product code	404184, 404186

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

Description	Disinfectant.
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##### 1.3. Details of the supplier of the safety data sheet

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

##### 1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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##### Further information


Manufactured By:	Preserve International 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
Hotline(s):	Preserve International is a wholly-owned subsidiary of Neogen Corporation. Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Skin Corr. 1B: H314; STOT SE 3: H335;
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##### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

## Dyne-O-Might®

Revision 1  
Revision date 2018-10-24

## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	STOT SE 3: H335 - May cause respiratory irritation.
	P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
<b>Precautionary Statement: Response</b>	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.
<b>Precautionary Statement: Storage</b>	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

## 2.3. Other hazards

<b>Other hazards</b>	No data is available on this product.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Propionic acid...% (Propionic acid)	607-089-00-0	79-09-4	201-176-3		30 - 40%	Skin Corr. 1B: H314;
Phosphoric acid...% (Phosphoric acid)	015-011-00-6	7664-38-2	231-633-2		10 - 20%	Skin Corr. 1B: H314;
Iodine (± Iodine)	053-001-00-3	7553-56-2	231-442-4		0 - 0.5%	Acute Tox. 4: H332; Acute Tox. 4: H312; Aquatic Acute 1: H400;
Citric acid		5949-29-1	201-069-1		1 - 10%	Eye Irrit. 2: H319;
Sodium iodide		7681-82-5	231-679-3		0 - 0.5%	Skin Corr. 1B: H314; Eye Irrit. 2: H319; Aquatic Acute 1: H400;

## Further information

	The exact percentage (concentration) of composition has been withheld as a trade secret.
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## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	In case of accident by inhalation: remove casualty to fresh air and keep at rest.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed.
<b>Skin contact</b>	Remove contaminated clothing. Wash off immediately with plenty of soap and water.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person.

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

<b>Inhalation</b>	May cause irritation to respiratory system.
<b>Eye contact</b>	Causes severe burns. Risk of serious damage to eyes.
<b>Skin contact</b>	Causes severe burns.
<b>Ingestion</b>	Ingestion may cause nausea and vomiting. May cause irritation to mucous membranes.

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

## Dyne-O-Might®

Revision 1  
Revision date 2018-10-24**4.3. Indication of any immediate medical attention and special treatment needed**

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

	Use extinguishing media appropriate to the surrounding fire conditions.
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**5.2. Special hazards arising from the substance or mixture**

	Heat will increase pressure in sealed containers. Cool fire exposed containers with waterspray. Burning produces irritating, toxic and obnoxious fumes.
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**5.3. Advice for firefighters**

	In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary.
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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

	Avoid contact with skin and eyes. Wear suitable protective clothing and eye/face protection. Wear suitable respiratory equipment when necessary. Wash hands after handling the product. Ensure adequate ventilation of the working area.
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**6.2. Environmental precautions**

	Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water.
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**6.3. Methods and material for containment and cleaning up**

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.
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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 and skin. Wear suitable protective clothing and eye/face protection. Ensure adequate ventilation of the working area.
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**7.2. Conditions for safe storage, including any incompatibilities**

	Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers. Store at temperatures between 20 °C and 25 °C. DO NOT MIX WITH ALKALINE PRODUCTS.
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**7.3. Specific end use(s)**

	See section 1.2 for further information.
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**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

	Occupational exposure controls.
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## Dyne-O-Might®

Revision 1  
Revision date 2018-10-24

## Exposure Limit Values

Glycerin (Glycerin mist)	ACGIH TLV TWA: 10 mg/m <sup>3</sup> Notations: - OSHA PEL 8hr TWA mg m3: 15 NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm:	ACGIH TLV STEL: - OSHA PEL 8hr TWA ppm: - Skin Designation: - NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3:
Iodine (± Iodine)	ACGIH TLV TWA: - Notations: - OSHA PEL 8hr TWA mg m3: (C)1 NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm:	ACGIH TLV STEL: C 0.1 ppm OSHA PEL 8hr TWA ppm: (C)0.1 Skin Designation: - NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3:
Phosphoric acid...% (Phosphoric acid)	ACGIH TLV TWA: 1 mg/m <sup>3</sup> Notations: - OSHA PEL 8hr TWA mg m3: 1 NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm:	ACGIH TLV STEL: 3 mg/m <sup>3</sup> OSHA PEL 8hr TWA ppm: - Skin Designation: - NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3:
Propionic acid...% (Propionic acid)	ACGIH TLV TWA: 10 ppm Notations: - OSHA PEL 8hr TWA mg m3: - NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm:	ACGIH TLV STEL: - OSHA PEL 8hr TWA ppm: - Skin Designation: - NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3:

## 8.2. Exposure controls

	
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Wear suitable protective clothing.
Eye / face protection	Wear:. Approved safety goggles.
Skin protection - Hand protection	Wear:. Chemical resistant gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Keep away from food, drink and animal feed and/ or feed products.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

## Dyne-O-Might®

Revision 1  
Revision date 2018-10-24

## 9.1. Information on basic physical and chemical properties

<b>State</b>	Liquid
<b>Color</b>	Amber
<b>Odor</b>	Characteristic
<b>Odour threshold</b>	No data available
<b>pH</b>	0.5 - 1.5
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability limits</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	Soluble in water

## 9.2. Other information

<b>Specific gravity</b>	1.1 - 1.15 g/cm <sup>3</sup>
<b>Gas group</b>	No data available

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	No data available.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	No data available.
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## 10.4. Conditions to avoid

	Heat, sparks and open flames. Heat will increase pressure in sealed containers.
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## 10.5. Incompatible materials

	Oxidizing agents.
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## 10.6. Hazardous decomposition products

	Burning produces irritating, toxic and obnoxious fumes.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

<b>Acute toxicity</b>	No data available.
<b>Skin corrosion/irritation</b>	Causes severe burns.
<b>Serious eye damage/irritation</b>	Causes serious eye damage.

## Dyne-O-Might®

Revision 1  
Revision date 2018-10-24

## 11.1. Information on toxicological effects

Respiratory or skin sensitisation	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No data available.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	No data available.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

## 11.1.4. Toxicological information

Glycerin	Inhalation Rat LC50/1 h: 2570 mgm3	Oral Rat LD50: >12600 mg/kg
Iodine	Dermal Rat LD50: 1425 mg/kg	Oral Rat LD50: 14000 mg/kg
Phosphoric acid...%	Oral Rat LD50: 1530 mg/kg Inhalation Rat LC50/4 h: 212.5 mg/kg	Dermal Rabbit LD50: 2740 mg/kg
Propionic acid...%	Dermal Rat LD50: 3235 mg/kg Inhalation Rat LC50/4 h: > 20 mg/l	Oral Rat LD50: 3455 mg/kg

## SECTION 12: Ecological information

## 12.1. Toxicity

Iodine	Daphnia EC50/48h: 0.2 mg/l	Rainbow trout LC50/96h: 1.7 mg/l
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## 12.2. Persistence and degradability

	No data available.
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## 12.3. Bioaccumulative potential

	No data available.
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## Partition coefficient

	Dyne-O-Might® No data available
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## 12.4. Mobility in soil

	No data available.
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## 12.5. Results of PBT and vPvB assessment

	No data available.
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## 12.6. Other adverse effects

	No data available.
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## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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## Dyne-O-Might®

Revision 1  
Revision date 2018-10-24

## Disposal methods

Contact a licensed waste disposal company.

## Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

## SECTION 14: Transport information

## Hazard pictograms



## 14.1. UN number

UN1903

## 14.2. UN proper shipping name

DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (PROPIONIC ACID, PHOSPHORIC ACID)

## 14.3. Transport hazard class(es)

DOT	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

## 14.4. Packing group

Packing group II

## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## 14.6. Special precautions for user

No data available.

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

Not applicable.

## DOT

Hazard ID	80
Tunnel Category	(E)

## IMDG

EmS Code F-A S-B

## IATA

Packing Instruction (Cargo)	855
Maximum quantity	30 L
Packing Instruction (Passenger)	851

## Dyne-O-Might®

Revision 1  
Revision date 2018-10-24

## IATA

Maximum quantity 1 L

## SECTION 15: Regulatory information

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

<b>Regulations</b>	<p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.</p> <p>US State Regulations:</p> <p>New Jersey Right-to-Know Hazardous Substance List: Phosphoric acid, Propionic acid</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Phosphoric acid, Propionic acid.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: Phosphoric acid, Propionic acid.</p>
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## 15.2. Chemical safety assessment

No data is available on this product.

## Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Propionic acid...% (Propanoic acid)	Y	N	N	N	N	N	Y	N	N
Phosphoric acid...% (Phosphoric acid)	Y	Y	N	N	N	N	Y	N	N
Glycerin (1,2,3-Propanetriol)	Y	N	N	N	N	N	N	N	N
Iodine	Y	N	N	N	N	N	N	N	N

## Further information

<b>FIFRA</b>	This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.
<b>FIFRA Signal Word</b>	DANGER.
<b>FIFRA Warning</b>	Hazards to humans and domestic animals. Corrosive. Harmful if swallowed. Do not get in eyes, on skin, or on clothing.

## SECTION 16: Other information

## Other information

<b>Revision</b>	<p>This document differs from the previous version in the following areas:.</p> <p>1 - Description.</p> <p>1 - EPA Registration No.</p> <p>1 - Manufactured By:.</p> <p>1 - Hotline(s):.</p> <p>2 - 2.1.2. Classification - GHS.</p> <p>9 - 9.1. Information on basic physical and chemical properties (Color).</p> <p>9 - 9.1. Information on basic physical and chemical properties (PH).</p>
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## Dyne-O-Might®

Revision 1  
Revision date 2018-10-24

## Other information

	<p>9 - 9.1. Information on basic physical and chemical properties (Relative density).            9 - 9.1. Information on basic physical and chemical properties (Fat Solubility).            9 - 9.2. Other information (Conductivity).            9 - 9.2. Other information (Surface tension).            9 - 9.2. Other information (Specific gravity).            11 - Carcinogenicity.            15 - Regulations.            15 - FIFRA.            15 - FIFRA Warning.            15 - EPA Registration No.</p>
<p><b>Text of Hazard Statements in Section 3</b></p>	<p>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.            STOT SE 3: H335 - May cause respiratory irritation.            Acute Tox. 4: H312 - Harmful in contact with skin.            Acute Tox. 4: H332 - Harmful if inhaled.            Aquatic Acute 1: H400 - Very toxic to aquatic life.</p>

## Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
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