

## SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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### Nu-Force

Revision 0  
Revision date 2018-11-12

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

##### 1.1. Product identifier

Product name	Nu-Force
Product code	633452, 333452

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

Description	Teat dip.
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##### 1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Lesher 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 Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;
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##### 2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation.

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## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.
	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P302+P352 - IF ON SKIN: Wash with plenty of water/ . 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. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.
<b>Precautionary Statement: Storage</b>	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations.

## 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
Iodine (± Iodine)	053-001-00-3	7553-56-2	231-442-4		1 - 10%	Acute Tox. 4: H332; Acute Tox. 4: H312; 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>	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING unless advised to do so by a doctor.

## 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

	Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

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## 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

**SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable protective equipment.

## 6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

## 6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## 6.4. Reference to other sections

See section 2, 8, and 13 for further information.

**SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

## 7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

## Further information

See section 1.2 for further information.

**SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

## Exposure Limit Values

Glycerin (Glycerin mist)	ACGIH TLV TWA: 10 mg/m <sup>3</sup>	ACGIH TLV STEL: -
	Notations: -	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA mg m3: 15	Skin Designation: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:
Iodine (≠ Iodine)	ACGIH TLV TWA: -	ACGIH TLV STEL: C 0.1 ppm
	Notations: -	OSHA PEL 8hr TWA ppm: (C)0.1
	OSHA PEL 8hr TWA mg m3: (C)1	Skin Designation: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	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 chemical protective clothing.
Eye / face protection	Use as appropriate:.. Suitable eye protection.

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## 8.2. Exposure controls

Skin protection - Hand protection	Chemical resistant gloves (PVC).
Respiratory protection	Use as appropriate: Suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

State	Liquid
Color	Red/Brown
Odor	Mild
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Odour threshold	No data available
pH	4.2 - 5
Melting point	113 °C
Freezing Point	No data available
Boiling point	184 °C
Flash point	No data available
Evaporation rate	No data available
Flammability limits	Not applicable.
Vapor pressure	No data available
Vapor density	No data available
Solubility	Miscible in water

## 9.2. Other information

Specific gravity	1.035 - 1.055
VOC (Volatile organic compounds)	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

	Do NOT allow to freeze.
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## 10.5. Incompatible materials

	Strong oxidizing agents.
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## 10.6. Hazardous decomposition products

	Carbon oxides.
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## 11.1. Information on toxicological effects

Acute toxicity	No known adverse health effects.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause eye irritation.
Respiratory or skin sensitisation	No sensitization effects reported.
Germ cell mutagenicity	No mutagenic effects reported.
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 teratogenic effects reported.
STOT-single exposure	May cause irritation to respiratory system.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

## 11.1.4. Toxicological information

Glycerin	Inhalation Rat LC50/1 h: ?570 mg/m <sup>3</sup>	Oral Rat LD50: >12600 mg/kg
Iodine	Dermal Rat LD50: 1425 mg/kg	Oral Rat LD50: 14000 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

## Partition coefficient

	Nu-Force 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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## General information

	Dispose of in compliance with all local and national regulations.
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## Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
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**SECTION 14: Transport information**

## Further information

	The product is not classified as dangerous for carriage.
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**SECTION 15: Regulatory information**

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## 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: New Jersey Right-to-Know Hazardous Substance List: This material contains no reportable components.</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: This material contains no reportable components.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: This material contains no reportable components.</p>
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## Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Hydrogen iodide (Hydriodic acid)	Y	N	N	N	N	N	N	N	N
Iodine	Y	N	N	N	N	N	N	N	N
Glycerin (1,2,3-Propanetriol)	Y	N	N	N	N	N	N	N	N

## SECTION 16: Other information

## Other information

<b>Text of Hazard Statements in Section 3</b>	<p>Acute Tox. 4: H312 - Harmful in contact with skin.</p> <p>Acute Tox. 4: H332 - Harmful if inhaled.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p>
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## 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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