



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Neoflex™ Concentrate liquid

Revision 2
Revision date 2022-01-12

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

1.1. Product identifier

Product name	Neoflex™ Concentrate liquid
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1.3. Details of the supplier of the safety data sheet

Company	Ransom & Randolph
Address	3535 Briarfield Boulevard, PO Box 1570 Maumee, Ohio 43537 USA
Web	www.ransom-randolph.com
Telephone	+1 (419) 865-9497
Fax	+1 (419) 865-9997
Email	SDS@ransom-randolph.com
Email address of the competent person	dyouel@ransom-randolph.com

1.4. Emergency telephone number

Emergency telephone number	USA +1 419 865 9497
Company	Ransom & Randolph Co. 08:00-17:00 (US Eastern Std. / GMT minus 5)

SECTION 2: Hazards identification

2.2. Label elements

Hazard Statement	While this material is not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and made available for employees and other users of this product. No Significant Hazard
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Further information

Store away from other materials. Strong oxidising agents. Wash hands after handling the product. Not applicable. PBT and vPvB assessment.

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
glycerin (Glycerol, mist)		56-81-5	200-289-5		80 - 90%	

Further information

Full text for all Risk Phrases mentioned in this section are displayed 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.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash off immediately with plenty of soap and water.
Ingestion	DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

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.
Eye contact	May cause irritation to eyes.
Skin contact	No irritation expected.
Ingestion	May cause irritation to mucous membranes.

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

	Seek medical attention if irritation or symptoms persist.
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

	Use extinguishing media appropriate to the surrounding fire conditions. Foam. Carbon dioxide (CO ₂). Dry chemical.
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5.2. Special hazards arising from the substance or mixture

	Combustible liquid. Keep away from heat, sparks and open flames.
	Burning produces irritating, toxic and obnoxious fumes. Thermal decomposition may release oxides of carbon and sulfur, aldehydes, and acrolein.
	This product should not be mixed with strong oxidizing agents, such as nitric acid, chromium trioxide or potassium permanganate, because an explosion may occur.

5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

	Ensure adequate ventilation of the working area.
	Surfaces contaminated with the product will become slippery.

6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning 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 & 13] for further information.
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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. Wash hands after handling the product.
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7.2. Conditions for safe storage, including any incompatibilities

	<p>Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.</p> <p>This product should not be mixed with strong oxidizing agents, such as nitric acid, chromium trioxide or potassium permanganate, because an explosion may occur.</p>
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7.3. Specific end use(s)

	Dental Labs.
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SECTION 8: Exposure controls/personal protection


8.1. Control parameters

	exposure limits: glycerin - 5 mg/kg TWA OSHA PEL (respirable fraction), 15 mg/kg TWA OSHA PEL (total dust).
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8.1.1. Exposure Limit Values

glycerin (Glycerol, mist)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 10
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear protective clothing.
Eye / face protection	In case of splashing, wear:.. Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Translucent/Light blue
Odour	Mild/Pleasant
Odour threshold	Not applicable.
pH	No data available
Melting point	≈ 18 °C
Freezing Point	No data available
Initial boiling point	> 290 °C
Flash point	> 200 °C
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Vapour pressure	No data available
Vapour density	> 3
Relative density	1.26 (H ₂ O = 1 @ 20 °C)
Water solubility	No data available
Fat Solubility	Not applicable.
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	Not applicable.
Explosive properties	Not determined
Solubility	= Soluble in water

9.2. Other information

Conductivity	Not applicable.
Surface tension	Not applicable.
Gas group	Not applicable.
Benzene Content	Not applicable.
Lead content	Not applicable.
VOC (Volatile organic compounds)	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	This product should not be mixed with strong oxidizing agents, such as nitric acid, chromium trioxide or potassium permanganate, because an explosion may occur.
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10.4. Conditions to avoid

	Decomposition will start at > 350°C.
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10.5. Incompatible materials

	Acids.
	Oxidising agents.
	This product should not be mixed with strong oxidizing agents, such as nitric acid, chromium trioxide or potassium permanganate, because an explosion may occur.

10.6. Hazardous decomposition products

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10.6. Hazardous decomposition products

Acrolein may be formed in fire conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met. Ingestion may cause nausea and vomiting.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria are not met. Eyes: Contact may cause irritation with redness and tearing.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Repeated or prolonged exposure	Based on available data, the classification criteria are not met.

11.1.4. Toxicological Information

glycerin	Inhalation Rat LC50/>570 h: 1	Oral Rat LD50: 12600 mg/kg
Neoflex™ Concentrate liquid	Oral Rat LD50: 12,600 mg/kg	Dermal Rabbit LD50: > 10,000 mg.kg

SECTION 12: Ecological information

12.1. Toxicity

glycerin	Daphnia EC50/48h: 10000 mg/l	Fish LC50/96h: 10000.0000 mg/l
Neoflex™ Concentrate liquid	Fish LC50/96h: 54000.0000 mg/l	

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

not expected to bio-accumulate.

Partition coefficient

Neoflex™ Concentrate liquid No data available

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.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations. Absorb with inert, absorbent material.

SECTION 14: Transport information

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14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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

The product is not classified as dangerous for carriage.

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

Regulations	<p>U.S. FEDERAL REGULATIONS: Neoflex Concentrate liquid.</p> <p>CERCLA 103 Reportable Quantity: none</p> <p>SARA TITLE III: Hazard Category For Section 311/312: see Section 2</p> <p>Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): none</p> <p>Section 302 Extremely Hazardous Substances (TPQ): None</p> <p>EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.</p> <p>U.S. STATE REGULATIONS California Proposition 65: none.</p>
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15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information

Other information

Revision	<p>This document differs from the previous version in the following areas:.</p> <p>2 - Further information.</p> <p>6 - 6.4. Reference to other sections.</p> <p>7 - 7.3. Specific end use(s).</p> <p>15 - 15.2. Chemical safety assessment.</p>
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Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information

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Further information

	relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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