



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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DCH-10 antifoam [EU]

Revision 5
Revision date 2022-11-22

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

1.1. Product identifier

Product name DCH-10 antifoam [EU]

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

Description Foundry material. Industrial uses: Uses of substances as such or in preparations at industrial sites.

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	This mixture/substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008. No Significant Hazard
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2.3. Other hazards

Other hazards	PBT and vPvB assessment. Contains: Octamethyl Cyclotetrasiloxane - D4. Decamethylcyclopentasiloxan -D5. Dodecamethylcyclopentasiloxan - D6. Product contains exposure limits: Octamethylcyclotetrasiloxane - D4 CAS 556-67-2 10 ppm TWA [DCC OEL].
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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
Octamethylcyclotetrasiloxane	014-018-00-1	556-67-2	209-136-7		0 - 0.5%	Repr. 2: H361f; Aquatic Chronic 4: H413;
Decamethylcyclopentasiloxan - D5		541-02-6	208-764-9		0 - 0.5%	
Dodecamethylcyclopentasiloxan - D6		540-97-6	208-762-8		0 - 0.5%	

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.
Skin contact	Wash off immediately with plenty of soap and water.
Ingestion	DO NOT INDUCE VOMITING.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes. H361 - Suspected of damaging fertility or the unborn child .

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 if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist.

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

	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.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe. Advise local authorities if large spills cannot be contained.
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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.
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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
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7.1. Precautions for safe handling

	Manual Handling considerations when handling, carrying and dispensing.
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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.
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7.3. Specific end use(s)


	Foundry material.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	Ensure adequate ventilation of the working area. exposure limits: Octamethylcyclotetrasiloxane - D4 CAS 556-67-2 10 ppm TWA [DCC OEL].
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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. EN166, ANSI Z87.1 or =.
Skin protection - Handprotection	Chemical resistant gloves (PVC). EN374, ASTM F1001 or =. Wash hands after handling the product.
Respiratory protection	Not normally required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	White
Odour	Slight
pH	Not determined
Melting point	Not applicable.
Freezing Point	Not determined
Initial boiling point	> 35 °C
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	1 (H2O = 1 @ 20 °C)
Fat Solubility	Not applicable.
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	500
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Solubility	Soluble in water

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9.2. Other information

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

	Avoid contact with: Oxidising agents.
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10.4. Conditions to avoid

	Do NOT allow to freeze.
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10.5. Incompatible materials

	Oxidising agents.
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10.6. Hazardous decomposition products

	Under some conditions, formaldehyde vapors may be generated during curing and heating process steps. The recommended ceiling for formaldehyde vapor is 0.3 ppm.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No observed effect concentration.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	No irritation expected.
Respiratory or skin sensitisation	No data available.
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	Adverse reproductive effects have been found in laboratory animals.
Aspiration hazard	No Significant Hazard.

11.1.4. Toxicological Information

DCH-10 antifoam [EU]	Oral Rat LD50: 5000 mg/kg	Dermal Rabbit LD50: 2000 mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

DCH-10 antifoam [EU]	Fish LC50/96h: 0.022 mg/l
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12.2. Persistence and degradability

	Octamethyl Cyclotetre siloxane - D4. Not readily biodegradable.
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12.3. Bioaccumulative potential

	Octamethyl Cyclotetre siloxane - D4. Bioconcentration factor. BCF > 3000.
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Partition coefficient

DCH-10 antifoam [EU] No data available

12.4. Mobility in soil

Octamethyl Cyclotetre siloxane - D4. 12.4. Mobility in soil. is low.

12.5. Results of PBT and vPvB assessment

The substance fulfils the PBT or vPvB criteria.

12.6. Other adverse effects

No data is available on this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in compliance with all. local and national regulations. Do not allow runoff water to enter sewers or drains. Do not let product contaminate subsoil.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

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.

Further information

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

Do not allow runoff water to enter sewers or drains.

SECTION 14: Transport information

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

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

Regulations	<p>WGK 2.</p> <p>EU REGULATIONS: Candidate List - Regulation (EC) No 1907/2006, REACH Article 59(1). CAS 556-67-2, Octamethylcyclotetrasiloxane - D4 is present. CAS 541-02-6, Decamethylcyclopentasiloxan - D5 is present. CAS 540-97-6, Dodecamethylcyclopentasiloxan - D6 is present. Authorizations - Regulation (EC) No 1907/2006, REACH Annex XIV Substances subject to authorization, as amended. No substances present, or no substances present in regulated quantities. is present. Restrictions on intended use at Industrial Sites - Regulation (EC) No 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended. No substances present, or no substances present in regulated quantities. is present.</p> <p>Other EU legislation: Commission Regulation (EU) No 474/2014 of 8 May 2014 amending Annex XVII to Regulation (EC) No 1907/2006. Commission Regulation (EU) No 944/2013 of 2 October 2013 (5th ATP) amending Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.</p>
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SECTION 16: Other information**Other information**

Revision	<p>This document differs from the previous version in the following areas:.</p> <p>1 - Description. 2 - Other hazards. 6 - 6.2. Environmental precautions. 12 - 12.4. Mobility in soil. 12 - 12.2. Persistence and degradability. 12 - 12.3. Bioaccumulative potential. 12 - 12.5. Results of PBT and vPvB assessment. 13 - 13.1. Waste treatment methods. 15 - Regulations.</p>
Text of Hazard Statements in Section 3	<p>Repr. 2: H361f - Suspected of damaging fertility. Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life.</p>

Further information

	<p>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 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.</p>
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