

SAFETY DATA SHEET

according to Regulation (EU) 2020/878

Page 1/8

Renovate

Revision 5

Revision date 2023-04-24

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

1.1. Product identifier

Product name	Renovate
Product code	All

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

Description	Detergent.
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1.3. Details of the supplier of the safety data sheet

Company	Serchem Limited
Address	Heatherset Arleston, off Dawley Road Wellington, Telford Shropshire TF1 2LY United Kingdom
Web	www.serchem.co.uk
Telephone	01952 223130
Fax	01952 222012
Email	support@serchem.co.uk
Email address of the competent person	production@serchem.co.uk

1.4. Emergency telephone number

Emergency telephone number	01952 223130 9.00 am - 5.00 pm Mon - Fri The National Poisons Information Service (NPIS) Industry: sds.npis@nhs.net Public: NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales)
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Further information


	Contact out of office hours: 07734 874648 Mr A Arnold.
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Skin Corr. 1B: H314;
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2.2. Label elements

Hazard pictograms	
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Renovate

Revision 5

Revision date 2023-04-24

2.2. Label elements

Signal Word	Danger
Hazard Statement	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Precautionary Statement: Prevention	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	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. P310 - Immediately call a POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). P363 - Wash contaminated clothing before reuse.
Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to waste

2.3. Other hazards

Other hazards	This product is not classed as a PBT Substance.
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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
Bestaines, bis-(1,2-Ethanediol) Tallow dimethyl Phosphoric acid...% (Orthophosphoric acid) Isopropanol (Propan-2-ol)	015-011-00-6	7664-38-2	231-633-2			Skin Corr. 1B: H314;
Isodecanol ethoxylate 6 - 8n EO	603-117-00-0	67-63-0	200-661-7			Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;
boric acid powder	005-007-00-2	10043-35-3	233-139-2			Repr. 1B: H360Fd;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	If you feel unwell, seek medical advice (show the label where possible). In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eye contact	Avoid contact with eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist. Wash with water.
Skin contact	Avoid contact with skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Remove all contaminated clothes and footwear immediately unless stuck to skin. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist. Wash with water.
Ingestion	DO NOT INDUCE VOMITING. If swallowed, rinse mouth with water (only if the person is conscious). Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist.

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

Inhalation	Remove the affected person from the source of contamination immediately. Seek medical attention if irritation or symptoms persist.
Eye contact	Avoid contact with eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist. Wash with water.

Renovate

Revision 5

Revision date 2023-04-24

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

Skin contact	Avoid contact with skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. If you feel unwell, seek medical advice (show the label where possible). Remove the affected person from the source of contamination immediately. Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist.

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

Inhalation	Avoid prolonged or repeated exposure. Remove the affected person from the source of contamination immediately. Seek medical attention if irritation or symptoms persist.
Eye contact	Avoid contact with eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Avoid contact with skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Remove the affected person from the source of contamination immediately. Rinse mouth thoroughly. 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

	Hydrogen gas can be generated by contact with some metals. Move containers away from fire if it can be done without risk. Hazard decomposition / By product Carbon Dioxide.
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5.3. Advice for firefighters

	Protective equipment. Self-contained breathing apparatus. Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

	Adopt best Manual Handling considerations when handling, carrying and dispensing. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Wear suitable protective clothing and eye/face protection.
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6.2. Environmental precautions

	Do not allow product to enter drains. Do not allow runoff water to enter sewers or drains. Do not empty into drains; dispose of this material and its container in a safe way. Environmental precautions.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Empty containers can be sent to landfill after cleaning, if in compliance with local regulations. Wear suitable protective clothing, gloves and eye/face protection.
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6.4. Reference to other sections

	See section 2,3,8,13 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. Keep container tightly closed and dry. Keep locked up and out of the reach of children. Keep only in the original container. Wear suitable protective clothing and eye/face
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Renovate

Revision 5

Revision date 2023-04-24

7.1. Precautions for safe handling

	protection. When using do not eat, drink or smoke.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep container tightly closed and dry. Keep only in the original container. Store at temperatures between 5 °C and 25 °C. Store in correctly labelled containers. Store in original container.
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7.3. Specific end use(s)

	Detergent.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	See section 8.2 for further information.
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8.1.1. Exposure Limit Values


Isopropanol (Propan-2-ol)	<p>WEL 8-hr limit ppm: 400</p> <p>WEL 15 min limit ppm: 500</p> <p>WEL 8-hr limit mg/m3 total - inhalable dust:</p> <p>WEL 8-hr limit mg/m3 total - respirable dust:</p> <p>ATE ORL-CAT 1- H300:</p> <p>ATE ORL-CAT 3- H301:</p> <p>ATE DRM-CAT 1- H310:</p> <p>ATE DRM-CAT 3- H311:</p> <p>ATE INH-GAS- CAT 1- H330:</p> <p>ATE INH-GAS- CAT 3- H331:</p> <p>ATE INH-VAP- CAT 1- H330:</p> <p>ATE INH-VAP- CAT 3- H331:</p> <p>ATE INH-D/M- CAT 1- H330:</p> <p>ATE INH-D/M- CAT 3- H331:</p> <p>PNEC Aqua(Fresh):</p> <p>PNEC Sediment(Fresh):</p> <p>PNEC Soil:</p>	<p>WEL 8-hr limit mg/m3: 999</p> <p>WEL 15 min limit mg/m3: 1250</p> <p>WEL 15 min limit mg/m3 total - inhalable dust:</p> <p>WEL 15 min limit mg/m3 total - respirable dust:</p> <p>ATE ORL-CAT 2- H300:</p> <p>ATE ORL-CAT 4- H302:</p> <p>ATE DRM-CAT 2- H310:</p> <p>ATE DRM-CAT 4- H312:</p> <p>ATE INH-GAS- CAT 2- H330:</p> <p>ATE INH-GAS- CAT 4- H332:</p> <p>ATE INH-VAP- CAT 2- H330:</p> <p>ATE INH-VAP CAT 4- H332:</p> <p>ATE INH-D/M- CAT 2- H330:</p> <p>ATE INH-D/M- CAT 4- H332:</p> <p>PNEC Aqua(Marine):</p> <p>PNEC Sediment(Marine):</p>
Phosphoric acid...% (Orthophosphoric acid)	<p>WEL 8-hr limit ppm: -</p> <p>WEL 15 min limit ppm: -</p> <p>WEL 8-hr limit mg/m3 total - inhalable dust:</p> <p>WEL 8-hr limit mg/m3 total - respirable dust:</p> <p>ATE ORL-CAT 1- H300:</p> <p>ATE ORL-CAT 3- H301:</p> <p>ATE DRM-CAT 1- H310:</p> <p>ATE DRM-CAT 3- H311:</p> <p>ATE INH-GAS- CAT 1- H330:</p> <p>ATE INH-GAS- CAT 3- H331:</p> <p>ATE INH-VAP- CAT 1- H330:</p> <p>ATE INH-VAP- CAT 3- H331:</p> <p>ATE INH-D/M- CAT 1- H330:</p> <p>ATE INH-D/M- CAT 3- H331:</p> <p>PNEC Aqua(Fresh):</p> <p>PNEC Sediment(Fresh):</p> <p>PNEC Soil:</p>	<p>WEL 8-hr limit mg/m3: 1</p> <p>WEL 15 min limit mg/m3: 2</p> <p>WEL 15 min limit mg/m3 total - inhalable dust:</p> <p>WEL 15 min limit mg/m3 total - respirable dust:</p> <p>ATE ORL-CAT 2- H300:</p> <p>ATE ORL-CAT 4- H302:</p> <p>ATE DRM-CAT 2- H310:</p> <p>ATE DRM-CAT 4- H312:</p> <p>ATE INH-GAS- CAT 2- H330:</p> <p>ATE INH-GAS- CAT 4- H332:</p> <p>ATE INH-VAP- CAT 2- H330:</p> <p>ATE INH-VAP CAT 4- H332:</p> <p>ATE INH-D/M- CAT 2- H330:</p> <p>ATE INH-D/M- CAT 4- H332:</p> <p>PNEC Aqua(Marine):</p> <p>PNEC Sediment(Marine):</p>

Renovate

Revision 5

Revision date 2023-04-24

8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Keep containers tightly closed. Store at temperatures above 5 °C. Store at temperatures below 25 °C.
8.2.2. Individual protection measures	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Wear suitable gloves and eye/face protection. Wear suitable protective clothing.
Eye / face protection	Avoid contact with eyes. Eye wash bottle with water. Provide eye wash station. Wear eye/face protection.
Skin protection - Handprotection	Wear suitable gloves.
Skin protection - Other	After contact with skin, wash immediately with plenty of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear/Colourless
Odour	Mild
Odour threshold	Not required
pH	1 - 2
Initial boiling point	102
Evaporation rate	1
Vapour pressure	Not required
Relative Vapour Density	Not required
Viscosity	Not determined
Solubility	Soluble in water

9.2. Other information

Conductivity	Not determined
Surface tension	Not determined
Specific gravity	1.1 - 1.15
Gas group	Not required

9.2.1. Information with regard to physical hazard classes

	No data available.
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9.2.2. Other safety characteristics

	No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

	No specific test data related to reactivity available for this product or its ingredients.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Under normal conditions of storage and use hazardous reactions will not occur.
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10.4. Conditions to avoid

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Renovate

Revision 5
Revision date 2023-04-24

10.4. Conditions to avoid

None.

10.5. Incompatible materials

soft metals, hypochlorites cyanides.

10.6. Hazardous decomposition products

Hydrogen from contact with soft metals.

SECTION 11: Toxicological information

11.1.4. Toxicological Information

No data available

11.2 Information on other hazards

No data available.

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal methods

Do not empty into drains; dispose of this material and its container in a safe way. Local and national regulations. consult local regulations on phosphate disposal.

Disposal of packaging

Containers can be recycled if in compliance with local and national regulations. This material and its container must be disposed of in a safe way.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN1805

14.2. UN proper shipping name

PHOSPHORIC ACID, SOLUTION

14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

Renovate

Revision 5

Revision date 2023-04-24

14.4. Packing group

Packing group	III
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	80
Tunnel Category	(E)

IMDG

EmS Code	F-A S-B
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IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulations	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
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15.2. Chemical safety assessment

	A chemical safety assessment has not been carried out on the mixture.
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SECTION 16: Other information**Other information**

Revision	This document differs from the previous version in the following areas: 9 - 9.2.2. Other safety characteristics. 9 - 9.2.1. Information with regard to physical hazard classes. 11 - 11.2 Information on other hazards. 12 - 12.6 Endocrine disrupting properties. 12 - 12.7 Other adverse effects.
Text of Hazard Statements in Section 3	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.

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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Renovate

Revision 5

Revision date 2023-04-24

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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