

## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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### Renovate Plus

Revision 5  
Revision date 2021-02-12

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

##### 1.1. Product identifier

<b>Product name</b>	Renovate Plus
<b>Product code</b>	All

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

<b>Description</b>	Detergent.
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##### 1.3. Details of the supplier of the safety data sheet

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

##### 1.4. Emergency telephone number

<b>Emergency telephone number</b>	01952 223130 9.00 am - 5.00 pm Mon - Fri
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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

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

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

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## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	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.
<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. P310 - Immediately call a POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). P363 - Wash contaminated clothing before reuse.
<b>Precautionary Statement: Storage</b>	P405 - Store locked up.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to waste

## 2.3. Other hazards

<b>Other hazards</b>	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		70750-46-8	274-845-0		0 - 0.5%	
Phosphoric acid...% (Orthophosphoric acid)	015-011-00-6	7664-38-2	231-633-2		10 - 20%	Skin Corr. 1B: H314;
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		1 - 10%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;
Isodecanol ethoxylate 6 - 8n EO		68439-46-3			1 - 10%	
boric acid powder	005-007-00-2	10043-35-3	233-139-2		0 - 0.5%	Repr. 1B: H360Fd;

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	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.
<b>Eye contact</b>	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.
<b>Skin contact</b>	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.
<b>Ingestion</b>	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

<b>Inhalation</b>	Remove the affected person from the source of contamination immediately. Seek medical attention if irritation or symptoms persist.
<b>Eye contact</b>	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.
<b>Skin contact</b>	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

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

Ingestion	immediately. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
	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 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.

## 7.3. Specific end use(s)

Detergent.

## SECTION 8: Exposure controls/personal protection

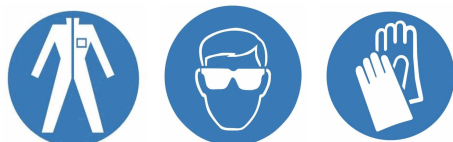
### 8.1. Control parameters

See section 8.2 for further information.

#### 8.1.1. Exposure Limit Values

Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400	WEL 8-hr limit mg/m3: 999
	WEL 15 min limit ppm: 500	WEL 15 min limit mg/m3: 1250
	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: -
Phosphoric acid...% (Orthophosphoric acid)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 1
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2
	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

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

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## 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
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

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

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

## 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

Under normal conditions of storage and use hazardous reactions will not occur.

## 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

## SECTION 12: Ecological information

## 12.1. Toxicity

No data available

## 12.6. Other adverse effects

No known significant effects or critical hazards.

## 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

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## 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.
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## 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	-

## 14.4. Packing group

Packing group III

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

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.

## 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture.

## SECTION 16: Other information

### Other information

Revision	This document differs from the previous version in the following areas: 14 - ADR/RID. 14 - IMDG. 14 - IATA.
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 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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