

SAFETY DATA SHEET

REVOLUTION Encap

Date: JUL 2022
Revision:

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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: REVOLUTION ENCAP

Product code: RCR

1.2 Relevant identified uses of the substance/mixture and uses advised against

Encapsulating cleaner concentrate for carpets and fabrics. Professional use.

1.3 Details of the supplier of the safety data sheet

SUPPLIER: NSL Restormate
58A South Nelson Ind. Est.
Cramlington
Northumberland
NE23 1WF
sales@restormate.co.uk

1.4 Emergency telephone number

Tel: +44 (0)1670 590099

2. Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP Regs.: Eye irrit. 2 H319

2.2 Label elements

Label elements under CLP:
Hazard pictograms: GHS07



Signal Word: Warning

Hazard Statements: H319: Causes serious eye irritation. EUH208: Contains Citrus Terpenes. May produce an allergic reaction.

Precautionary statements: PREVENTION: Wear protective gloves, clothing and eye protection. Wash hands thoroughly after handling

RESPONSE: IF ON SKIN: Wash immediately with soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. Take off contaminated clothing and wash before reuse.

2.3 Other hazards

PBT: this material does not contain any substance identified as a PBT or vPvB substance

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3. Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Hazardous ingredients:

CAS	EINECS	Classification CLP	Concentration %w/w
Hydrogen peroxide (REACH Reg. No. 01-2119485845-22)			
7722-84-1	231-765-0	Acute tox. 4 H302; Skin irrit. 2 H315; Eye dam. 2 H318; STOT SE3 H335	5-10
Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides (REACH Reg. No. 01-2119490061-47)			
	931-292-6	Skin irrit. 2 H315; Eye dam. 1 H318; Aq. Acute 1 H400; Aq. Chronic 2 H411	2-5
Citrus Terpenes			
8028-48-6	232-433-8	Flam.Liq.H226; Skin irrit 2 H315; Skin sens. 1 H317; Aqua. Ac. 1, Aqua chr. 1 H411	0-1

See section 16 for full text of H statements

4. First aid measures

4.1 Description of first aid measures

Eye contact: Flush with clean water for at least 15 minutes. Seek medical advice if any irritation persists.

Skin contact: Wash area with soap and water. Seek medical advice if any irritation persists.

Ingestion: DO NOT induce vomiting. Give milk or water to drink and seek immediate medical attention.

Inhalation: Remove from exposure. Keep warm and at rest and seek medical assistance.

4.2 Most important symptoms and effects both acute and delayed

No further relevant information.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Product is not flammable although irritating fumes may be given off in the event of fire. Choice of extinguisher should be based on other surrounding materials. Keep containers cool with water spray.

Unsuitable agents:

5.2 Special hazards arising from the substance or mixture

Oxides of carbon and nitrogen may be produced if the product is allowed to evaporate to dryness at high temperatures.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Refer to section 8.

6.2 Environmental precautions

Do not allow to enter water courses.

6.3 Methods and material for containment and cleaning up

Small spillages may be rinsed away with plenty of water. Larger spillages should be contained and absorbed in inert material. Transfer to plastic container for disposal.

6.4 Reference to other sections.

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7. Handling and storage

7.1 Precautions for safe handling No special precautions.

7.2 Conditions for safe storage, including any incompatibilities Store in original container, tightly closed in a cool place.

7.3 Specific end use See section 1.

8. Exposure controls/personal protection

8.1 Control parameters

Substances assigned Workplace Exposure Limits

Name	type	Long term (8hrTWA)		Short term (15mins)	
Hydrogen peroxide	WEL	1ppm	1.4mg/m ³	2ppm	2.8mg/m ³

DNEL Hydrogen peroxide

Exposure	Value	Population	Effect
Inhalation	3mg/m ³	workers	Short term
Inhalation	1.4mg/m ³	workers	Long term
Inhalation	1.93mg/m ³	consumers	Short term
Inhalation	0.21mg/m ³	consumers	Long term

PNEC Hydrogen peroxide: Fresh water 0.0126mg/l; Marine water 0.0126mg/l; STP 4.66mg/l; Soil 0.0023mg/kg

8.2 Exposure controls

Wear eye protection to prevent liquid splashes if necessary. Avoid inhalation of spray mist. When using do not eat, drink or smoke.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Clear liquid

Odour: slight

Density at 20°C: 1.04kg/ltr

Solubility: Completely soluble in water.

pH: 6.0-7.0

Flash point: N/A

Boiling point/range:100°C

Vapour pressure: N/A

Oxidising: No

9.2 Other information No further relevant information.

10. Stability and reactivity

10.1 Reactivity Not reactive under normal conditions.

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions None known.

10.4 Conditions to avoid Extreme temperatures, naked flames or hot surfaces.

10.5 Incompatible materials Strong oxidising agents.

10.6 Hazardous decomposition products Thermal decomposition may produce toxic and irritant fumes

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11. Toxicological information

11.1 Information on toxicological effects.

Toxicity of ingredients LD50 (oral, rat): Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides >2820mg/l;
Hydrogen peroxide 1193-1270mg/kg
Eyes: Irritation and watering.
Skin: Prolonged exposure may produce mild irritation.
Inhalation (mist): Coughing, shortness of breath, irritation to membranes of nose and throat.
Ingestion: Some irritation to mouth and throat.

12. Ecological information

12.1 Toxicity

Ecotoxicity of ingredients: Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides LC50 1.26mg/l (fish, 96h), EC50 2.4 mg/l(Daphnia, 48h); Hydrogen peroxide PNEC (MARINE/FRESH WATER): 0.0126mg/l.

The product is not classified as dangerous for the environment but uncontrolled discharge of concentrate into the environment could have adverse effects

12.2 Persistence and degradability

All components are biodegradable or biologically inert.

12.3 Bioaccumulative potential

None

12.4 Mobility in soil

Absorbed into soil.

12.5 Results of PBT and vPvB assessment

Does not contain any PBT or vPvB substances.

12.6 Other adverse effects

13. Disposal considerations

13.1 Waste treatment methods

Comply with local regulations. Do not allow concentrate to enter water systems.

14. Transport information

14.1 UN Number

Not classified as hazardous for transport.

14.2 UN Proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified

14.6 Special precautions for user

Not relevant.

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15. Regulatory information

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

None.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this product.

16. Other information

This safety data sheet has been prepared according to EU Commission Regulation 453/2010

The information supplied in this document is based on our present state of knowledge and is given in good faith. It is not intended and should not be construed as a specification or guarantee of specific properties. The responsibility remains with the user to comply with all relevant laws, regulations and directives, to make their own assessment of workplace risks and to determine the suitability of the product for a particular use or application.

The hazards information in this data sheet refers to the material as supplied and not to any subsequent dilution or mixture. The full text of the H statements referred to in section 3 are shown below. These classifications apply to the ingredients, in their concentrated form, which contribute to the classification of the product or mixture.

H226: Flammable liquid and vapour

H302: Harmful if swallowed.

H315: Cause skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life

H411: Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Goods by Road
CAS	Chemical Abstracts Service
CHIP	Chemicals (Hazard Information and Packaging) Regulations – Directives 1999/45.EC and 67/548/EC
CLP	Classification and Labelling of Chemicals – Regulation (EC) No. 1272/2008
CMR	Carcinogenic-mutagenic-toxic for reproduction
DNEL	Derived No Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration, 50%
LD50	Lethal Dose, 50%
NOEC	No Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
PNEC	Predicted No Effect Concentration
vPvB	very Persistent, very Bioaccumulative
RID	Convention concerning International Carriage by Rail
WEL	Workplace Exposure Limit
VOC	Volatile Organic Compound