

RevCare™ NE 100S - Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifiers

Product Name: RevCare NE 100S
Product Code: 3017S

1.2 Relevant identified uses of the mixture and uses advised against

Intended Use: For Professional Research and Development Use only

1.3 Details of the supplier of the safety datasheet

Company: Revolymer (U.K.) Ltd.
1 Newtech Square
Zone 2, Deeside Industrial Park
Deeside, Flintshire, CH5 2NT
UNITED KINGDOM
Telephone: +44 (0)1244 283500
E-mail address: sds@revolymer.com

1.4 Emergency telephone number

Emergency Phone: +44 (0)1244 283500 (Mon-Fri 09:00 - 17:00 UK time)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to CLP Regulation (EC) No. 1272/2008
Not classified as hazardous substance or mixture according to CLP Regulation (EC) No. 1272/2008

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 CLP
The product does not need to be labelled in accordance with EC Regulations or respective national laws.

2.3 Other hazards

None known

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

No hazardous components

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measure

General advice

Consult a doctor if any symptoms develop. Show this safety data sheet to the doctor in attendance.

If inhaled

In case of serious inhalation, remove patient to fresh air, allow to rest and keep warm.

Remove contaminated clothing and shoes. Wash clothing and clean shoes before reuse. Wash off with soap and plenty of water.

In case of eye contact

If possible remove contact lenses. Flush immediately with plenty of water for at least 15 minutes, keeping eyelids open.

If swallowed

DO NOT induce vomiting. Rinse mouth out and then drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties of the product have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides.

5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No data available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

Wear suitable protective clothing to avoid contamination. In the event of burning product avoid breathing vapours, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Contain/absorb with non-combustible absorbent material (eg, sand, earth, vermiculite, chemical absorbent) and place in suitable, closable container for safe disposal.

6.4 Reference to other sections

For protective clothing see Section 8. For disposal see section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Normal measures as a prevention against fire.

7.2 Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed to avoid contamination. Store in a cool place.

7.3 Specific end uses

For Professional Research and Development Use only

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

INGREDIENTS WITH WORKPLACE CONTROL PARAMETERS

Workplace control parameters are not available for this substance/mixture

DERIVED NO EFFECT LEVEL (DNEL) FOR SUBSTANCE

Workplace control parameters are not available for this substance/mixture

PREDICTED NO EFFECT CONCENTRATIONS (PNEC)

Workplace control parameters are not available for this substance/mixture

Monitoring procedures None specified

8.2 Exposure controls

Recommended engineering controls: Ensure good ventilation. Arrange for eye wash possibility.

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Always check applicability with your supplier of protective equipment.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Butyl rubber may be suitable.

(Break-through times can vary depending on thickness, use and source. Change gloves regularly.)

Skin protection

Laboratory coat or overalls.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	off-white powder
b) Odour	odourless
c) Odour Threshold	no data available
d) pH	no data available*
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	water soluble
o) Partition coefficient: noctanol/water	no data available
p) Autoignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

9.2 Other safety information

* in-house testing: pH (10% w/w solution) = ~5.5

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable product under recommended storage and handling conditions.

10.2 Chemical stability

Stable product under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, flames

10.5 Incompatible materials

Bases, oxidizing agents, reducing agents

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions - Carbon oxides, Nitrogen oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

(a) acute toxicity	No Data Available
(b) skin corrosion/irritation	No Data Available
(c) serious eye damage/irritation	No Data Available
(d) respiratory or skin sensitisation	No Data Available
(e) germ cell mutagenicity	No Data Available
(f) carcinogenicity	No Data Available
(g) reproductive toxicity	No Data Available
(h) STOT-single exposure	No Data Available
(i) STOT-repeated exposure	No Data Available
(j) aspiration hazard	No Data Available

Symptoms related to the physical, chemical and toxicological characteristics

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential health effects

Inhalation	May irritate respiratory tract
Ingestion	No data available
Skin	No data available
Eyes	May cause eye irritation

SECTION 12. ECOLOGICAL INFORMATION

No data available on product

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available.

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 PBT and vPvB assessment

No data available.

12.6 Other adverse effects

None known. Calculations according to the precepts of GHS and the Classification, Labelling and Packaging Regulation (EC1272/2008 as amended) show this product not to be classified as hazardous to aquatic life.



Polymers for Better Living

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable product to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

- | | |
|--|-----------------|
| 14.1. UN number | None |
| 14.2. UN proper shipping name | None |
| 14.3. Transport hazard class(es) | None |
| 14.4. Packing group | None |
| 14.5. Environmental hazards | None |
| 14.6. Special precautions for user | None |
| 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable. |

SECTION 15. REGULATORY INFORMATION

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

UK legislation:

Control of Substances Hazardous to Health Regulations 2002

Environmental Protection Act 1990

Hazardous Waste Regulations 2005

All as amended from time to time.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out on this mixture.

SECTION 16. OTHER INFORMATION

Version number	v 6.2
Date prepared	31 AUG 2016
Supersedes Version	v 6.1
Nature of revision	Format only

Based on EU Regulation 1907/2006 as amended by Regulations 453/2010 and 2015/830

The above information is believed to be correct at the time of preparation but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.