

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 and 453/2010



Rely+On™ Peracilyse™

Version 2.1

Revision Date 18.03.2011

Ref.130000105727

This SDS adheres to the standards and regulatory requirements of Great Britain and may not meet the regulatory requirements in other countries.

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

Product identifier

Product name : Rely+On™ Peracilyse™

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

no data available

Details of the supplier of the safety data sheet

Company : Antec International Limited
Windham Road
Chilton Industrial Estate
Sudbury / Suffolk - CO10 2XD
United Kingdom

Telephone : +44(0)1787 377 305

Telefax : +44(0)1787 310 846

E-mail address : sds-support@che.dupont.com

Emergency telephone number

Emergency telephone number : +44-(0)8456-006.640

Remarks : Antec International Limited is a wholly owned subsidiary of Dupont (UK) Ltd.

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Irritant R41: Risk of serious damage to eyes.

Label elements



Irritant

R41 Risk of serious damage to eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 Wear eye/face protection.

S60 This material and its container must be disposed of as hazardous

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waste.

Other hazards

no data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

not applicable

Mixtures

Registration number	Classification according Directive 67/548/EEC	Classification according Regulation 1272/2008 (CLP)	Concentration
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Disodium carbonate, compound with hydrogen peroxide (2:3) (CAS-No.15630-89-4) (EC-No.239-707-6)

	O;R 8 Xn;R22 Xi;R41	Acute Tox. 4; H302 Eye Dam. 1; H318	30 - 50 %
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Citric acid (CAS-No.77-92-9) (EC-No.201-069-1)

	Xi;R36/38	Skin Irrit. 2; H315 Eye Irrit. 2; H319	10 - 20 %
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Sodium carbonate (CAS-No.497-19-8) (EC-No.207-838-8)

	Xi;R36	Eye Irrit. 2; H319	< 10 %
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For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Description of first aid measures

- General advice : Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt seek medical advice.
- Inhalation : Remove to fresh air. Artificial respiration and/or oxygen may be necessary. Keep patient warm and at rest. Consult a physician.
- Skin contact : Wash off immediately with plenty of water. If skin irritation persists, call a physician.
- Eye contact : Remove contact lenses. Rinse thoroughly with plenty of water, also under the eyelids. Seek medical advice.
- Ingestion : Do NOT induce vomiting. If conscious, drink plenty of water. Call a physician immediately. If a person vomits when lying on his back, place him in the recovery position.

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Most important symptoms and effects, both acute and delayed

no data available

Indication of any immediate medical attention and special treatment needed

no data available

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Foam, Dry powder, Carbon dioxide (CO₂), Water spray

Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Dust may form explosive mixture in air.

: nitrogen oxides (NO_x) Carbon oxides Sulphur oxides
Hazardous combustion products: phosphorous oxides

Advice for firefighters

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective suit.

Further information : Evacuate personnel to safe areas. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : Evacuate personnel to safe areas. Use personal protective equipment.

Environmental precautions

Environmental precautions : Prevent product from entering drains.

Methods and materials for containment and cleaning up

Methods for cleaning up : Sweep up and shovel into suitable containers for disposal. Avoid dust formation. After cleaning, flush away traces with water.

Other information : Dispose of in accordance with local regulations.

Reference to other sections

not applicable

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling : Avoid dust formation in confined areas. For personal protection see section 8. Avoid contact with skin and eyes.

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Advice on protection against fire and explosion : Dust may form explosive mixture in air. Avoid dust formation in confined areas. Keep away from heat and sources of ignition.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Protect from contamination. Store in original container. Keep in a dry, cool place.

Advice on common storage : Keep away from: Combustible material

Storage temperature : <= 25 °C

Specific end uses

no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

If sub-section is empty then no values are applicable.

Exposure controls

Engineering measures : Ensure adequate ventilation.

Eye protection : Tightly fitting safety goggles

Hand protection :
Nitrile rubber gloves.

Skin and body protection : Wear as appropriate: Boots DuPont™ Tyvek® overall Chemical resistant apron

Hygiene measures : Wash hands before breaks and immediately after handling the product. Regular cleaning of equipment, work area and clothing. Wash contaminated clothing before re-use.

Respiratory protection : No personal respiratory protective equipment normally required. Respirator must be worn if exposed to dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form : powder

Colour : off-white

Odour : characteristic

pH : ca. 7,9 at 1,62 g/l

Boiling point : not applicable

Flash point : no data available

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Self-Accelerating decomposition temperature (SADT) : 60 °C

Oxidizing properties : The product is not oxidizing.

Bulk density : 0,89 g/cm³

Water solubility : ca. 30 g/l , soluble

Other information

no data available

10. STABILITY AND REACTIVITY

Reactivity : no data available

Chemical stability : no data available

Possibility of hazardous reactions : Dust may form explosive mixture in air. Contact with water liberates hydrogen peroxide and peracetic acid. Self-accelerating decomposition may occur at elevated temperatures.

Conditions to avoid : Exposure to moisture. Direct sources of heat.

Incompatible materials : Strong acids and strong bases Powdered metal salts Reducing agents

Hazardous decomposition products : Carbon oxides
nitrogen oxides (NO_x)
sulphur oxides
phosphorous oxides
Products that support combustion:
Hydrogen peroxide
Peracetic acid
Acetic acid
Oxygen

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity

Discriminating dose / rat : 500 mg/kg

Method: Fixed Dose Method

The toxicological data has been taken from products of similar composition.

Mutagenicity assessment

- Citric acid
Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Animal testing did not show any mutagenic effects.

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Carcinogenicity assessment

- Citric acid
Did not show carcinogenic effects in animal experiments.

Toxicity to reproduction assessment

- Citric acid
No toxicity to reproduction

12. ECOLOGICAL INFORMATION

Toxicity

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Results of PBT and vPvB assessment

no data available

Other adverse effects

Additional ecological information

No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product : Dispose of as special waste in compliance with local and national regulations.
The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : If recycling is not practicable, dispose of in compliance with local regulations.

14. TRANSPORT INFORMATION

ADR

Class: 4.1

Classification Code: SR1

UN number: 3228

Labelling No.: 4.1

Proper shipping name: Self-reactive solid type E (Disodium carbonate, compound with hydrogen peroxide
(2:3))

Tunnel restriction code: (D)

IATA_C

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Class: 4.1
UN number: 3228
Labelling No.: 4.1, 74G
Proper shipping name: Self-reactive solid type E (Disodium carbonate, compound with hydrogen peroxide (2:3))

IMDG

Class: 4.1
UN number: 3228
Labelling No.: 4.1
Proper shipping name: Self-reactive solid type E (Disodium carbonate, compound with hydrogen peroxide (2:3))

15. REGULATORY INFORMATION

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

no data available

Chemical Safety Assessment

no data available

16. OTHER INFORMATION

Text of R-phrases mentioned in Section 3

R 8 Contact with combustible material may cause fire.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R41 Risk of serious damage to eyes.

Full text of H-Statements referred to under section 3.

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

Significant change from previous version is denoted with a double bar.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.