



Rely+On™ Perasafe®

Version 2.1

Revision Date 18.07.2012

Ref. 130000099907

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

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

1.1. Product identifier

Product name : Rely+On™ Perasafe®

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

Use of the Substance/Mixture : Disinfectant

1.3. 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

1.4. Emergency telephone number

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

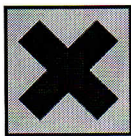
Remarks : Antec International Limited is a wholly owned subsidiary of Dupont (UK) Ltd.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Irritant R41: Risk of serious damage to eyes.

2.2. 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 waste.



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2.3. Other hazards

no data available

SECTION 3: Composition/information on ingredients

3.1. Substances

not applicable

3.2. 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)

01-2119457268-30	O;R 8 Xn;R22 Xi;R41	Acute Tox. 4; H302 Eye Dam. 1; H318 Ox. Sol. 3; H272	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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The above products are REACH compliant; Registration number(s) may not be provided because substance(s) are exempted, not yet registered under REACH or are registered under another regulatory process (biocide uses, plant protection products), etc.

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.

SECTION 4: First aid measures

4.1. 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.



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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.

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

no data available

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

no data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : Dust may form explosive mixture in air.
: nitrogen oxides (NO_x) Carbon oxides Sulphur oxides Hazardous combustion products: phosphorous oxides

5.3. Advice for firefighters

Special protective equipment for firefighters : 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Environmental precautions : Prevent product from entering drains.

6.3. 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.

6.4. Reference to other sections

not applicable



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SECTION 7: Handling and storage

7.1. 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.

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.

7.2. 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

7.3. Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

Derived No Effect Level (DNEL)

- Disodium carbonate, compound with hydrogen peroxide (2:3) : Type of Application (Use): Workers
Exposure routes: Skin contact
Health Effect: Acute - local effects
Value: 12.8 mg/cm²

: Type of Application (Use): Workers
Exposure routes: Inhalation
Health Effect: Long-term - local effects
Value: 5 mg/m³

: Type of Application (Use): Consumers
Exposure routes: Skin contact
Health Effect: Acute - local effects
Value: 6.4 mg/cm²

Predicted No Effect Concentration (PNEC)

- Disodium carbonate, compound with hydrogen peroxide (2:3) : Value: 0.035 mg/l
Compartment: Fresh water



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: Value: 16.24 mg/l
Compartment: Sewage treatment plants

8.2. 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.

SECTION 9: Physical and chemical properties

9.1. 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
- 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

9.2. Other information

no data available

SECTION 10: Stability and reactivity



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- 10.1. Reactivity** : no data available
- 10.2. Chemical stability** : no data available
- 10.3. 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.
- 10.4. Conditions to avoid** : Exposure to moisture. Direct sources of heat.
- 10.5. Incompatible materials** : Strong acids and strong bases
Powdered metal salts
Reducing agents
- 10.6. Hazardous decomposition products** : Carbon oxides
nitrogen oxides (NOx)
sulphur oxides
phosphorous oxides
Products that support combustion:
Hydrogen peroxide
Peracetic acid
Acetic acid
Oxygen

SECTION 11: Toxicological information

11.1. 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.

- Disodium carbonate, compound with hydrogen peroxide (2:3)
LD50 / rat : 1,034 mg/kg

Acute inhalation toxicity

- Disodium carbonate, compound with hydrogen peroxide (2:3)
LC50 / rat : > 4.58 mg/l

Acute dermal toxicity

- Disodium carbonate, compound with hydrogen peroxide (2:3)
LD50 / rabbit : > 2,000 mg/kg

Skin irritation

- Disodium carbonate, compound with hydrogen peroxide (2:3)
rabbit
Classification: Not classified as irritant
Result: Slight or no skin irritation



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Eye irritation

- Disodium carbonate, compound with hydrogen peroxide (2:3)
rabbit
Classification: Risk of serious damage to eyes.
Result: Severe eye irritation

Sensitisation

- Disodium carbonate, compound with hydrogen peroxide (2:3)
guinea pig
Classification: Not a skin sensitizer.
Result: Animal test did not cause sensitization by skin contact.

Repeated dose toxicity

- Disodium carbonate, compound with hydrogen peroxide (2:3)
Oral mouse
No adverse effects expected.

Mutagenicity assessment

- Disodium carbonate, compound with hydrogen peroxide (2:3)
Animal testing did not show any mutagenic effects.

Carcinogenicity assessment

- Disodium carbonate, compound with hydrogen peroxide (2:3)
Animal testing did not show any carcinogenic effects.

Toxicity to reproduction assessment

- Disodium carbonate, compound with hydrogen peroxide (2:3)
No toxicity to reproduction

Assessment teratogenicity

- Disodium carbonate, compound with hydrogen peroxide (2:3)
No toxicity to reproduction

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish

- Disodium carbonate, compound with hydrogen peroxide (2:3)
LC50 / 96 h / Pimephales promelas (fathead minnow): 70.7 mg/l

Toxicity to aquatic invertebrates

- Disodium carbonate, compound with hydrogen peroxide (2:3)
EC50 / 48 h / Daphnia magna (Water flea): 4.9 mg/l



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EC50 / 48 h / Daphnia pulex (Water flea): 4.9 mg/l

12.2. Persistence and degradability

Biodegradability

- Disodium carbonate, compound with hydrogen peroxide (2:3)
Product is not expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation

- Disodium carbonate, compound with hydrogen peroxide (2:3)
Bioaccumulation is unlikely.

12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

no data available

12.6. Other adverse effects

Additional ecological information

No data is available on the product itself.

SECTION 13: Disposal considerations

13.1. 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.

SECTION 14: Transport information

ADR

- 14.1. UN number: 3228
14.2. UN proper shipping name: Self-reactive solid type E (Disodium carbonate, compound with hydrogen peroxide (2:3))
14.3. Transport hazard class(es): 4.1
14.5. Environmental hazards:
14.6. Special precautions for user:
Tunnel restriction code: (D)

IATA_C

- 14.1. UN number: 3228
14.2. UN proper shipping name: Self-reactive solid type E (Disodium carbonate, compound with hydrogen peroxide (2:3))



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- 14.3. Transport hazard class(es): 4.1
14.5. Environmental hazards :
14.6. Special precautions for user:
no data available

IMDG

- 14.1. UN number: 3228
14.2. UN proper shipping name: Self-reactive solid type E (Disodium carbonate, compound with hydrogen peroxide (2:3))
14.3. Transport hazard class(es): 4.1
14.5. Environmental hazards :
14.6. Special precautions for user:
no data available

- 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 specific for the substance or mixture

no data available

15.2. Chemical Safety Assessment

no data available

SECTION 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.

- | | |
|------|--------------------------------|
| H272 | May intensify fire; oxidiser. |
| 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.

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



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