

Rely+On™ Perasafe™

Version 2.1

Revision Date 23.05.2007

Ref. 130000028770

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/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Product name : Rely+On™ Perasafe™

Use of the Substance/Preparation : Sterilant

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

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

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	EC-No.	Classification	Concentration [%]
Citric acid	77-92-9	201-069-1	Xi; R36/38	20 - 25
Alkyarylsulfonate sodium salt	25155-30-0	246-680-4	Xn; R22 Xi; R36/37/38	1 - 2
Perboric acid, sodium salt	11138-47-9	234-390-0	O; R 8 Xn; R22 Xi; R36	40 - 60

For the full text of the R phrases mentioned in this Section, see Section 16.

3. HAZARDS IDENTIFICATION

Irritating to eyes.

4. 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 from exposure, lie down. Artificial respiration and/or oxygen may be necessary. Keep patient warm and at rest. Consult a physician.

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- 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. Keep eye wide open while rinsing. Call a physician immediately.
- 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.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Foam, Dry powder, Carbon dioxide (CO₂), Water spray,
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Evacuate personnel to safe areas. Use personal protective equipment.
- Environmental precautions : Try to prevent the material from entering drains or water courses.
- Methods for cleaning up : Sweep up and shovel into suitable containers for disposal. Avoid dust formation. After cleaning, flush away traces with water.
- Additional advice : Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE**Handling**

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

Storage

- 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 Never allow product to get in contact with water during storage.
- Storage temperature : < 30 °C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Rely+On™ Perasafe™

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Ref. 130000028770

Engineering measures

Provide local exhaust ventilation when handling material in bulk.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection : Rubber gloves

Eye protection : Tightly fitting safety goggles

Skin and body protection : Wear as appropriate:

Apron

Boots

DuPont™ Tyvek® overall

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder,

Colour : off-white, light blue,

Odour : characteristic,

pH : 8

Flash point : not applicable

Solubility in other solvents : ca.35 g/l,

10. STABILITY AND REACTIVITY

Conditions to avoid : Temperature : > 40 °C Exposure to moisture.

Materials to avoid : Strong acids and strong bases, Powdered metal salts, Reducing agents

Hazardous decomposition products : Acetic acid

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

• Perboric acid, sodium salt : LD50/ rat : ca. 1 120 - 1 800 mg/kg

Skin irritation : rabbit

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Result: No skin irritation Method: Tested according to Directive 92/69/EEC.

Method: OECD Test Guideline 404

Skin irritation

- Perboric acid, sodium salt : No skin irritation

Eye irritation

: rabbit

Result: No eye irritation Method: Tested according to Directive 92/69/EEC.

Method: OECD Test Guideline 405

Eye irritation

- Perboric acid, sodium salt : Severe eye irritation

Sensitisation

- Perboric acid, sodium salt : Did not cause sensitization on laboratory animals.

Human experience

: Excessive exposures may affect human health, as follows:

Inhalation

Upper respiratory tract: Cough, Local irritation, Discomfort

Skin contact

Skin: Mild skin irritation, Discomfort

Eye contact

Eyes: Lachrymation, Blurred vision, Severe irritation, Damage

Ingestion

Stomach: Nausea, Discomfort**12. ECOLOGICAL INFORMATION**

Toxicity to fish

- Perboric acid, sodium salt : LC50 / 96 h/ Zebra fish :ca. 51 mg/l

Further information on ecology

Additional ecological information : No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

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.

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Version 2.1

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14. TRANSPORT INFORMATION

Further information : Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION**Labelling according to EC Directives**

Symbol(s)	: Xi	Irritant
R-phrase(s)	: R36	Irritating to eyes.
S-phrase(s)	: S22 S26 S37 S60	Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves. This material and its container must be disposed of as hazardous waste.

16. OTHER INFORMATION**Text of R phrases mentioned in Section 2**

R 8	Contact with combustible material may cause fire.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36/38	Irritating to eyes and skin.

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 guidance 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.