

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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EP 90037 N-ZYME CLEAN

Revision 4
Revision date 2015-06-26

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

1.1. Product identifier

| | |
|--------------|--|
| Product name | EP 90037 N-ZYME CLEAN |
| REACH | ALL INGREDIENTS IN THIS FORMULATION HAVE BEEN REGISTERED (WHERE REQUIRED) FOR APPLICABLE USES. |

1.3. Details of the supplier of the safety data sheet


| | |
|---------|---|
| Company | The Natural Solution Cleaning Co Ltd |
| Address | Foxes Farm, Strap Lane North Brewham, Bruton, Somerset BA10 0JW |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|--------------------------------------|---------------------|
| 2.1.2. Classification - EC 1272/2008 | Eye Irrit. 2: H319; |
|--------------------------------------|---------------------|

2.2. Label elements

| | |
|-------------------------------------|--|
| Hazard pictograms |  |
| Signal Word | Warning |
| Hazard Statement | Eye Irrit. 2: H319 - Causes serious eye irritation. |
| Precautionary Statement: Prevention | P102 - Keep out of reach of children. P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response | P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. |
| Precautionary Statement: Disposal | P501 - Dispose of contents/container to rEQUIREMENTS OF LOCAL AUTHORITIES |

2.3. Other hazards

| | |
|---------------|----------------------------------|
| Other hazards | SPILLAGE MAY CREATE SLIP HAZARD. |
|---------------|----------------------------------|

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|------------------------|-----------|---------|-----------|---------------------------|--------------|----------------|-----------|
| COCAMIDOPROPYL BETAINE | | | 931-296-8 | | 1 - 10% | Xi; R41 | |

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3.2. Mixtures

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|--|--------------|------------|-----------|---------------------------|--------------|--|-----------|
| WATER | | | | | | | |
| LAURYL BETAINE | | 66455-29-6 | 266-368-1 | | | Eye Dam. 1: H318; Aquatic Chronic 3: H412; | |
| AMYLASE FROM BACILLUS SUBTILUS | | 9000-85-5 | | | | | |
| LIPASE FROM PENICILLIUM ROQUEFORT | | 9001-62-1 | | | | | |
| SUSPENSION OF BACILUS SUBTILLUS SPORES AND BACTERIUM | | | | | | | |
| COCAMIDOPROPYL BETAINE | | | 931-296-8 | | 1 - 10% | Eye Dam. 1: H318; Aquatic Chronic 3: H412; | |
| Amylase, a- | 647-015-00-4 | 9000-90-2 | 232-565-6 | | 0 - 0.5% | Resp. Sens. 1: H334; | |
| PERFUME | | | | | | | |
| L LIMONENE | | 5989-27-5 | | | | | |
| BUTYLPHENYL METHYLPROPIONAL | | 106-22-9 | | | | | |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| Inhalation | May cause irritation to mucous membranes. Move the exposed person to fresh air. |
| Eye contact | May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist. |
| Skin contact | May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. |
| Ingestion | May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist. |

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--|---|
| | Use extinguishing media appropriate to the surrounding fire conditions. |
|--|---|

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

5.3. Advice for firefighters

| | |
|--|---|
| | Wear suitable respiratory equipment when necessary. |
|--|---|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|--|------------------------------------|
| | Wear suitable protective clothing. |
|--|------------------------------------|

6.2. Environmental precautions

| | |
|--|---|
| | Do not allow product to enter drains. Prevent further spillage if safe. |
|--|---|

6.3. Methods and material for containment and cleaning up

| | |
|--|---|
| | Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. |
|--|---|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|--|---|
| | Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing. |
|--|---|

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7.2. Conditions for safe storage, including any incompatibilities

| | |
|--|--|
| | Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. |
|--|--|

SECTION 8: Exposure controls/personal protection

DNEL: Derived no-effect level.

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

8.2. Exposure controls

8.2.1. Appropriate engineering controls

| | |
|--|------------------------|
| | Not normally required. |
|--|------------------------|

8.2.2. Individual protection measures

| | |
|--|---------------------------|
| | Wear protective clothing. |
|--|---------------------------|

Eye / face protection

| | |
|--|--|
| | In case of splashing, wear: Approved safety goggles. |
|--|--|

Skin protection - Handprotection

| | |
|--|----------------------------------|
| | Chemical resistant gloves (PVC). |
|--|----------------------------------|

Respiratory protection

| | |
|--|------------------------|
| | Not normally required. |
|--|------------------------|

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------------|--------------|
| Appearance | Liquid |
| Colour | Yellow |
| Odour | Mild |
| pH | 7.0 NOMINAL |
| Initial boiling point | 100 |
| Relative density | 1.01 NOMINAL |

Water solubility

| | |
|--|-------------------|
| | Soluble in water. |
|--|-------------------|

SECTION 10: Stability and reactivity

10.2. Chemical stability

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

| | |
|--|--|
| | No data is available on this product. Ingestion may cause nausea and vomiting. |
|--|--|

Skin corrosion/irritation

| | |
|--|-------------------------------|
| | May cause irritation to eyes. |
|--|-------------------------------|

SECTION 12: Ecological information

12.1. Toxicity

COCAMIDOPROPYL BETAINE

Daphnia EC50/48h: 21.5000 mg/l

Algae IC50/72h: 30.0000 mg/l

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

12.2. Persistence and degradability

| | |
|--|------------------------------|
| | More than 90% biodegradable. |
|--|------------------------------|

Further information

| | |
|--|---|
| | No known adverse environmental effects. |
|--|---|

SECTION 13: Disposal considerations

General information

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General information

| | |
|--|---|
| | Dispose of in compliance with all local and national regulations. |
|--|---|

SECTION 14: Transport information

Further information

| | |
|--|--|
| | The product is not classified as dangerous for carriage. |
|--|--|

SECTION 15: Regulatory information

15.2. Chemical safety assessment

| | |
|--|---|
| | No chemical Safety assessment has been carried out by the supplier. |
|--|---|

SECTION 16: Other information

Other information

Revision

| | |
|--|--|
| | This document differs from the previous version in the following areas:. |
|--|--|

| | |
|--|------------|
| | 1 - REACH. |
|--|------------|

| | |
|--|------------------------------------|
| | 8 - DNEL: Derived no-effect level. |
|--|------------------------------------|

Text of risk phrases in Section 3

| | |
|--|---------------------------------------|
| | R41 - Risk of serious damage to eyes. |
|--|---------------------------------------|

Text of Hazard Statements in Section 3

| | |
|--|---|
| | Eye Dam. 1: H318 - Causes serious eye damage. |
|--|---|

| | |
|--|--|
| | Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. |
|--|--|

| | |
|--|--|
| | Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
|--|--|

Further information

| | |
|--|--|
| | The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. |
|--|--|