

# SAFETY DATA SHEET

Finish Dishwasher Deep Cleaner Active



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

### 1.1 Product identifier

**Product name** : Finish Dishwasher Deep Cleaner Active  
**SDS #** : D0024562  
**Formulation #** : 0347178, 3286377, 3221916, 3221910  
**Product type** : Liquid

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

#### Identified uses

Machine dishwashing (powder, liquid, tablet) for consumer use

### 1.3 Details of the supplier of the safety data sheet

#### Supplier

##### The United Kingdom:

RB UK Hygiene Home Commercial Ltd Wellcroft House  
Wellcroft Road Slough, Berkshire SL1 4AQ  
Tel: 0800 376 8181  
Email: ConsumerCare\_UK@reckitt.com

##### The Republic Of Ireland:

RB Ireland Hygiene Home Commercial Ltd 7 Riverwalk  
Citywest Business Campus Dublin 24  
Ireland  
Tel: 01 661 7318  
Email: ConsumerHealth\_IE@reckitt.com

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

**Telephone number** : **GB** - NHS 111/NHS 24 Tel: 111

**NI** - [www.gpoutofhours.hscni.net/](http://www.gpoutofhours.hscni.net/)

**IE** - Poisons Information Centre of Ireland: 01 809 2166 8am-10pm 7 days a week

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Irrit. 2, H315

Eye Dam. 1, H318

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

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## SECTION 2: Hazards identification

Hazard pictograms

:



Signal word

: Danger

Hazard statements

: Causes skin irritation.  
Causes serious eye damage.

### Precautionary statements

General

: Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention

: Not applicable.

Response

: **IF ON SKIN:** Wash with plenty of water. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Storage

: Not applicable.

Disposal

: Not applicable.

Hazardous ingredients

: TRIDECETH-3

Supplemental label elements

: **Ingredient Declaration:**

5 - < 15 % non-ionic surfactants,

Perfumes

### Special packaging requirements

Containers to be fitted with child-resistant fastenings

: Not applicable.

Tactile warning of danger

: Not applicable.

### 2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification

: None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

: Mixture

| Product/ingredient name    | Identifiers                                                   | %         | Classification                                                     | Specific Conc. Limits, M-factors and ATEs | Type |
|----------------------------|---------------------------------------------------------------|-----------|--------------------------------------------------------------------|-------------------------------------------|------|
| CITRIC ACID                | REACH #: 01-2119457026-42<br>EC: 201-069-1<br>CAS: 77-92-9    | ≥10 - <20 | Eye Irrit. 2, H319<br>STOT SE 3, H335                              | -                                         | [1]  |
| Isotridecanol, ethoxylated | REACH #: 01-2119976362-32<br>EC: 500-241-6<br>CAS: 69011-36-5 | ≤10       | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 | -                                         | [1]  |

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### SECTION 3: Composition/information on ingredients

|  |  |  |                                                                      |  |  |
|--|--|--|----------------------------------------------------------------------|--|--|
|  |  |  | See Section 16 for the full text of the H statements declared above. |  |  |
|--|--|--|----------------------------------------------------------------------|--|--|

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

#### Type

[1] Substance classified with a health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

##### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness
- Inhalation** : No specific data.

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## SECTION 4: First aid measures

- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur
- Ingestion** : Adverse symptoms may include the following:  
stomach pains

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

### 5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : No specific fire or explosion hazard.
- Hazardous combustion products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

### 5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- 6.2 Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials for containment and cleaning up

## SECTION 6: Accidental release measures

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Do not store above the following temperature: 40°C (104°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

- Recommendations** : Machine dishwashing (powder, liquid, tablet) for consumer use
- Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

#### DNELs/DMELs

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## SECTION 8: Exposure controls/personal protection

| Product/ingredient name    | Type | Exposure             | Value                 | Population         | Effects  |
|----------------------------|------|----------------------|-----------------------|--------------------|----------|
| Isotridecanol, ethoxylated | DNEL | Long term Oral       | 25 mg/kg bw/day       | General population | Systemic |
|                            | DNEL | Long term Inhalation | 87 mg/m <sup>3</sup>  | General population | Systemic |
|                            | DNEL | Long term Inhalation | 294 mg/m <sup>3</sup> | Workers            | Systemic |
|                            | DNEL | Long term Dermal     | 1250 mg/kg bw/day     | General population | Systemic |
|                            | DNEL | Long term Dermal     | 2080 mg/kg bw/day     | Workers            | Systemic |

### PNECs

| Product/ingredient name         | Compartment Detail     | Value      | Method Detail      |
|---------------------------------|------------------------|------------|--------------------|
| CITRIC ACID<br><br>bornan-2-one | Fresh water            | 440 mg/l   | -                  |
|                                 | Fresh water sediment   | 34.6 mg/kg | -                  |
|                                 | Marine water sediment  | 3.46 mg/kg | -                  |
|                                 | Soil                   | 33.1 mg/kg | -                  |
|                                 | Fresh water            | 9.303 µg/l | Assessment Factors |
|                                 | Marine water           | 0.93 µg/l  | Assessment Factors |
|                                 | Sewage Treatment Plant | 1 mg/l     | Assessment Factors |

## 8.2 Exposure controls

### Appropriate engineering controls

- : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### Individual protection measures

#### Hygiene measures

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

- : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

### Skin protection

#### Hand protection

- : EN 16523-1:2015  
Tested for protection against chemical permeation.  
Low chemical resistant or waterproof gloves.  
(EN 16523-1:2015 supersedes EN 374-3:2003)  
EN 374-2:2003  
Tested for protection against liquid penetration and micro-organisms.  
EN 388:2003  
Tested for protection against mechanical risks (abrasion, blade cut resistance, tear resistance and puncture resistance).  
ISO 374-1:2016/Type A  
Protective glove with permeation resistance of at least 30 minutes each for at least 6 test chemicals.  
ISO 374-1:2016/Type B  
Protective glove with permeation resistance of at least 30 minutes each for at least 3 test chemicals.  
ISO 374-1:2016/Type C  
Protective glove with permeation resistance of at least 10 minutes for at least 1 test chemical.  
Considering the parameters specified by the glove manufacturer, check during

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## SECTION 8: Exposure controls/personal protection

use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : Liquid.
- Color** : Blue.
- Odor** :  Minty.
- Melting point/freezing point** : Not relevant/applicable due to nature of the product.
- Initial boiling point and boiling range** : Not relevant/applicable due to nature of the product.
- Flammability (solid, gas)** : Not relevant/applicable due to nature of the product.
- Upper/lower flammability or explosive limits** : Not relevant/applicable due to nature of the product.
- Flash point** : Not relevant/applicable due to nature of the product.
- Auto-ignition temperature** : Not relevant/applicable due to nature of the product.
- Decomposition temperature** : Not relevant/applicable due to nature of the product.
- pH** :  3 to 1.7 [Conc. (% w/w): 100%]
- Viscosity** : Not relevant/applicable due to nature of the product.
- Solubility(ies)** :

| Media      | Result         |
|------------|----------------|
| cold water | Easily soluble |
| hot water  | Easily soluble |

- Partition coefficient: n-octanol/ water** : Not relevant/applicable due to nature of the product.

- Vapor pressure** : Not relevant/applicable due to nature of the product.
- Density** :  0.07 to 1.08 g/cm<sup>3</sup>
- Vapor density** : Not relevant/applicable due to nature of the product.
- Particle characteristics**
- Median particle size** : Not relevant/applicable due to nature of the product.

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## SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : The product is stable.
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : No specific data.
- 10.5 Incompatible materials** : Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air.  
Reactive or incompatible with the following materials:  
alkalis
- 10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

| Product/ingredient name    | Result      | Species | Dose        | Exposure |
|----------------------------|-------------|---------|-------------|----------|
| CITRIC ACID                | LD50 Oral   | Rat     | 11700 mg/kg | -        |
| Isotridecanol, ethoxylated | LD50 Dermal | Rabbit  | >2000 mg/kg | -        |
|                            | LD50 Oral   | Rat     | >5000 mg/kg | -        |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

#### Acute toxicity estimates

| Product/ingredient name    | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|----------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| CITRIC ACID                | 11700        | N/A            | N/A                      | N/A                        | N/A                                 |
| Isotridecanol, ethoxylated | N/A          | 5000           | N/A                      | N/A                        | N/A                                 |

#### Irritation/Corrosion

| Product/ingredient name    | Result                   | Species  | Score | Exposure        | Observation |
|----------------------------|--------------------------|----------|-------|-----------------|-------------|
| IL,FINSH,DUAL PHASE        | Eyes - Cornea opacity    | In vitro | 10    | -               | -           |
|                            | Skin - Irritant          | In vitro | -     | -               | -           |
|                            | Skin - Irritant          | In vitro | -     | -               | -           |
| CITRIC ACID                | Eyes - Severe irritant   | Rabbit   | -     | 24 hours 750 ug | -           |
| Isotridecanol, ethoxylated | Eyes - Moderate irritant | Rabbit   | -     | 72 hours 0.1 mL | 21 days     |

#### Conclusion/Summary

- Skin** : Bridging principle "Substantially similar mixtures": Causes skin irritation.
- Eyes** : Bridging principle "Substantially similar mixtures": Causes serious eye damage.
- Respiratory** : Based on available data, the classification criteria are not met.

#### Sensitization

#### Conclusion/Summary

- Skin** : Based on available data, the classification criteria are not met.
- Respiratory** : Based on available data, the classification criteria are not met.

#### Mutagenicity

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

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## SECTION 11: Toxicological information

### Carcinogenicity

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Reproductive toxicity

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Teratogenicity

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Specific target organ toxicity (single exposure)

| Product/ingredient name | Category   | Route of exposure | Target organs                |
|-------------------------|------------|-------------------|------------------------------|
| CITRIC ACID             | Category 3 | -                 | Respiratory tract irritation |

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : Causes serious eye damage.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : Causes skin irritation.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness  
**Inhalation** : No specific data.  
**Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur  
**Ingestion** : Adverse symptoms may include the following:  
stomach pains

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

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## SECTION 11: Toxicological information

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Reproductive toxicity** : No known significant effects or critical hazards.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

Not available.

#### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name    | Result                              | Species                               | Exposure |
|----------------------------|-------------------------------------|---------------------------------------|----------|
| CITRIC ACID                | Acute LC50 160000 µg/l Marine water | Crustaceans - Carcinus maenas - Adult | 48 hours |
| Isotridecanol, ethoxylated | Chronic NOEC 1.73 mg/l              | Fish                                  | -        |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### 12.2 Persistence and degradability

| Product/ingredient name    | Test                                                                                                              | Result                    | Dose | Inoculum |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------|------|----------|
| Isotridecanol, ethoxylated | EU 301B Ready Biodegradability - CO <sub>2</sub> Evolution Test                                                   | >60 % - Readily - 28 days | -    | -        |
|                            | EU 311 Anaerobic Biodegradation of Organic Compounds in Digested Sludge - Method by Measurement of Gas Production | >60 % - 60 days           | -    | -        |

**Conclusion/Summary** : The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

| Product/ingredient name    | Aquatic half-life | Photolysis | Biodegradability |
|----------------------------|-------------------|------------|------------------|
| Isotridecanol, ethoxylated | -                 | -          | Readily          |

### 12.3 Bioaccumulative potential

| Product/ingredient name    | LogP <sub>ow</sub> | BCF   | Potential |
|----------------------------|--------------------|-------|-----------|
| CITRIC ACID                | -1.8               | -     | low       |
| Isotridecanol, ethoxylated | -                  | 232.5 | low       |

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

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SECTION 12: Ecological information

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

- Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
- Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.
- Packaging**
- Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.

|                                 | ADR/RID        | ADN            | IMDG           | IATA           |
|---------------------------------|----------------|----------------|----------------|----------------|
| 14.1 UN number or ID number     | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name    | -              | -              | -              | -              |
| 14.3 Transport hazard class(es) | -              | -              | -              | -              |
| 14.4 Packing group              | -              | -              | -              | -              |
| 14.5 Environmental hazards      | No.            | No.            | No.            | No.            |

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## SECTION 14: Transport information

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Maritime transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**EU Regulation (EC) No. 1907/2006 (REACH)**

**Annex XIV - List of substances subject to authorization**

**Annex XIV**

None of the components are listed.

**Substances of very high concern**

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : None.

**Other EU regulations**

**Ozone depleting substances (1005/2009/EU)**

Not listed.

**Prior Informed Consent (PIC) (649/2012/EU)**

Not listed.

**Persistent Organic Pollutants**

Not listed.

**Seveso Directive**

This product is not controlled under the Seveso Directive.

**15.2 Chemical Safety Assessment** : No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

✓ Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** :

- ATE = Acute Toxicity Estimate
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

| Classification                          | Justification                                    |
|-----------------------------------------|--------------------------------------------------|
| Skin Irrit. 2, H315<br>Eye Dam. 1, H318 | On basis of test data.<br>On basis of test data. |

**Full text of abbreviated H statements**

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## SECTION 16: Other information

|                                      |                                                                                                                                                                                    |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H315<br>H318<br>H319<br>H335<br>H412 | Causes skin irritation.<br>Causes serious eye damage.<br>Causes serious eye irritation.<br>May cause respiratory irritation.<br>Harmful to aquatic life with long lasting effects. |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Full text of classifications [CLP/GHS]

|                                                                               |                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aquatic Chronic 3<br>Eye Dam. 1<br>Eye Irrit. 2<br>Skin Irrit. 2<br>STOT SE 3 | AQUATIC HAZARD (LONG-TERM) - Category 3<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2<br>SKIN CORROSION/IRRITATION - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3 |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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