



# SAFETY DATA SHEET

Revision date: 11/21/2014

Revision number: 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name	Deep Clean KITCHEN 5x
Product Code	7032658

### Recommended use of the chemical and restrictions on use

Recommended Use	Hard Surface Cleaner.
Uses advised against	Please refer to Product Data Sheet

### Details of the supplier of the Safety Data Sheet

Contact Manufacturer	Novozymes Biologicals Inc. 5400 Corporate Circle Salem, VA, USA 24153
Information Telephone Number	1-540-389-9361, 8am - 4:30pm EST M-F
Emergency Telephone Number	1-800-424-9300 (Chemtrec) 24 hours every day

## 2. HAZARDS IDENTIFICATION

### Classification

Classification of the product is in accordance with 29CFR 1910.1200

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Serious eye damage/eye irritation	Category 2A
Respiratory sensitization	Category 1
Skin sensitization	Category 1

### Label elements

#### **Emergency Overview**

##### **Danger**

##### **Hazard statements**

May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 May cause an allergic skin reaction  
 Causes serious eye irritation  
 May be harmful if swallowed



**Appearance** Opaque

**Physical State** Liquid

**Odor** Slight fermentation odor

#### **Precautionary Statements - Response**

<b>Eyes</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
<b>Skin</b>	IF ON SKIN: Gently wash with plenty of soap and water
<b>Inhalation</b>	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
<b>Ingestion</b>	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

#### **Precautionary Statements - Storage**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

#### **Precautionary Statements - Disposal**

Dispose of unused product and container in accordance with all applicable local and regional requirements

#### **Hazards not otherwise classified (HNOC)**

Not Applicable

#### **Other Information**

Health Hazard	2
Fire Hazard	0
Reactivity	0

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Water	7732-18-5	60-70%
Ethoxylated Alcohols, C9-C11	68439-46-3	20-25
Viable Bacteria Cultures	Not Applicable	1-5%
Sodium Lauryl Sulfate	151-21-3	1-5%
Lipase	9001-62-1	< 1.0%
1,2-Benzisothiazole-3-(2H)-one	2634-33-5	< 0.05%

\* The exact percentage (concentration) of composition has been withheld as a trade secret

GHS Classification of Enzymes is based on AEP content. The above figure does not represent total AEP in the product.

### 4. FIRST AID MEASURES

#### First aid measures

##### **Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

##### **Skin Contact**

Wash off immediately with soap and plenty of water

##### **Inhalation**

Move to fresh air

##### **Ingestion**

Clean mouth with water and afterwards drink plenty of water

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

##### **Main Symptoms**

No information available

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

##### **Notes to Physician**

Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Specific Hazards Arising from the Chemical

May cause allergic respiratory reaction.

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

### 6. ACCIDENTAL RELEASE MEASURES

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

**Personal Precautions** Ensure adequate ventilation

**Environmental precautions**

**Environmental Precautions** Spilled preparation should be removed immediately to avoid formation of dust from dried preparation. Take up by mechanical means preferably by a vacuum cleaner equipped with a high efficiency filter. Flush remainder carefully with plenty of water. Avoid splashing and high pressure washing (avoid formation of aerosols). Ensure sufficient ventilation. Wash contaminated clothing.

**Methods and material for containment and cleaning up**

**Methods for Clean-up** Pick up and transfer to properly labelled containers

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place

**Packaging Material** There could be many packaging types for the product. The details are given in other Novozymes documents

**Incompatible Materials** Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Water 7732-18-5	-	-	-
Ethoxylated Alcohols, C9-C11 68439-46-3	-	-	-
Viable Bacteria Cultures Not Applicable	-	-	-
Sodium Lauryl Sulfate 151-21-3	-	-	-
Lipase 9001-62-1	-	-	-
1,2-Benzisothiazole-3-(2H)-one 2634-33-5	-	-	-

**Appropriate engineering controls**

**Individual protection measures, such as personal protective equipment**

**Eye Protection** Avoid contact with eyes

**Skin and body protection** No special technical protective measures are necessary

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practices

**9. PHYSICAL AND CHEMICAL PROPERTIES**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Opaque
Odor	Slight fermentation odor
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>
Melting/freezing point	No information available
Evaporation rate VALUE	No information available
Flammability (solid, gas)	No information available
Burning rate 100mm VALUE	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity	No information available
Water Solubility	No information available
Solubility in other solvents	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity of Product	No information available
Viscosity	No information available
Explosive Properties	No information available
Oxidizing Properties	No information available

### Other Information

Softening Point	No information available
VOC Content	No information available
Density	No information available

## 10. STABILITY AND REACTIVITY

Reactivity  
No data available

Chemical stability  
Stable under recommended storage conditions

Possibility of Hazardous Reactions  
None under normal processing

Conditions to avoid  
Stable under normal conditions. Excessive temperature variations below 32F or above 155F.

Incompatible materials  
Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

### Hazardous Decomposition Products

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Inhalation	There is no data available for this product
Eye contact	Contact with eyes may cause irritation

**Skin contact** Prolonged or repeated contact may dry skin and cause irritation

**Ingestion** Ingestion may cause stomach discomfort

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water 7732-18-5	Oral LD50 Rat: >90 mL/kg	Oral LD50 Rat: >90 mL/kg	Oral LD50 Rat: >90 mL/kg
Ethoxylated Alcohols, C9-C11 68439-46-3	Oral LD50 Rat: 1378 mg/kg; Dermal LD50 Rabbit: >2 g/kg	Oral LD50 Rat: 1378 mg/kg; Dermal LD50 Rabbit: >2 g/kg	Oral LD50 Rat: 1378 mg/kg; Dermal LD50 Rabbit: >2 g/kg
Sodium Lauryl Sulfate 151-21-3	Inhalation LC50 Rat: >3900 mg/m <sup>3</sup> /1H; Oral LD50 Rat: 1288 mg/kg	Inhalation LC50 Rat: >3900 mg/m <sup>3</sup> /1H; Oral LD50 Rat: 1288 mg/kg	Inhalation LC50 Rat: >3900 mg/m <sup>3</sup> /1H; Oral LD50 Rat: 1288 mg/kg
1,2-Benzisothiazole-3-(2H)-one 2634-33-5	Oral LD50 Rat: 1020 mg/kg	Oral LD50 Rat: 1020 mg/kg	Oral LD50 Rat: 1020 mg/kg

### Information on toxicological effects

**Symptoms** No information available

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	No information available
<b>Mutagenic Effects</b>	No information available
<b>Reproductive Effects</b>	No information available
<b>Specific target organ systemic toxicity (single exposure)</b>	No information available
<b>Specific target organ systemic toxicity (repeated exposure)</b>	No information available
<b>Chronic Toxicity</b>	No information available.
<b>Aspiration hazard</b>	No information available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

None known

Chemical Name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Sodium Lauryl Sulfate 151-21-3	EC50 30 - 100 mg/L 96 h EC50 = 117 mg/L 96 h EC50 = 53 mg/L 72 h		EC50 = 0.46 mg/L 30 min EC50 = 0.72 mg/L 15 min EC50 = 1.19 mg/L 5 min	EC50 = 1.8 mg/L 48 h

### Persistence/Degradability

The organic components of the product are biodegradable.

### Bioaccumulation/ Accumulation

No information available

Chemical Name	log Pow
Sodium Lauryl Sulfate 151-21-3	1.6
1,2-Benzisothiazole-3-(2H)-one 2634-33-5	1.3

### Other adverse effects

No known effect

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Waste Disposal Method** Dispose of contents/container in accordance with local regulation.

**Contaminated Packaging** Dispose of wastes in an approved waste disposal facility.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

**RID** Not regulated

**ADR** Not regulated

**ADN** Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

##### **Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

#### Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and 40 CFR Part 372.

##### **SARA 311/312 Hazardous**

###### **Categorization**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

##### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**State Right-to-Know****U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not Applicable

<b>16. OTHER INFORMATION</b>
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**Revision date:**

11/21/2014

**Revision Summary**

No information available

**Disclaimer**

The information provided on this SDS 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 as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Furthermore, as the conditions of use are beyond the control of Novozymes, it is the responsibility of the customer to determine the conditions of safe use of this preparation.

**End of SDS**