

**Safety Data Sheet**  
**According to Hazard Communication Standard (29 CFR 1910.1200)**

[REDACTED]

Issue date: 12/16/2014

Version 1.0

Revision date: 12/16/2014

## 1. Identification

Product name

[REDACTED]

Synonyms

-

CAS #

See section 3

Product code

-

Product use

Auxiliary agents

Microbiological enzyme preparation with inert diluents.

Manufacturer/Supplier

Supplier(Manufacturer):

[REDACTED]

Address:

[REDACTED]

Contact person(E-mail):

[REDACTED]

Telephone:

[REDACTED]

Fax:

[REDACTED]

Emergency telephone Number:

[REDACTED]

## 2. Hazard(s) identification

GHS classification

Physical hazards

Not classified

Health hazards

Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 1

Respiratory sensitization

Category 1

Environmental hazards

Not classified

GHS label elements

Hazard Pictograms



Signal word

Danger

Hazard statement

Causes skin irritation.

Causes serious eye damage.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement

Prevention

Avoid breathing dust/fume/ gas/mist/vapors/spray.

Wash thoroughly after handling.

Wear protective protection/face protection.

[In case of inadequate ventilation] wear respiratory protection.

Response

If on skin: Wash with plenty of water/...

If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for

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breathing.

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 /doctor.

If skin irritation occurs: Get medical advice/attention.

If experiencing respiratory symptoms: Call a poison center/ doctor.

Take off contaminated clothing and wash it before reuse.

**Storage**

Not applicable.

**Disposal**

Dispose of contents/container in corroding with local regulation.

### 3. Composition / information on ingredients

Components	CAS#	Percent
[REDACTED]		
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]		
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

### 4. First-aid Measures

**First aid procedures**

**Eye contact**

Remove contact lenses. Wash thoroughly for several minutes using copious water - call doctor immediately, have Data Sheet available. Protect uninjured eye. Follow-up examination by an ophthalmologist.

**Skin contact**

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

**Inhalation**

Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms.

**Ingestion**

Rinse the mouth thoroughly with water. Give copious water to drink - consult doctor immediately.

**Notes to physician**

Treat symptoms.

### 5. Fire-fighting measures

**Flammable properties**

Not available.

**Extinguishing media**

**Suitable extinguishing media**

Water jet spray / foam / CO2 / dry extinguisher. As a precaution, douse dust with water.

**Unsuitable extinguishing media**

High volume water jet.

**Firefighting equipment/instructions**

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Dispose of contaminated extinction water according to official regulations.

**Hazardous combustion products**

Oxides of carbon, oxides of phosphorus, oxides of nitrogen, oxides of sulphur, toxic gases.

### 6. Accidental release measures

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**Personal precautions**

Ensure sufficient supply of air. Avoid build up of dust. Avoid inhalation, and contact with eyes or skin. For personal protection see section 8.

**Environmental precautions**

If leakage occurs, dam up. Resolve leaks if this possible without risk. Prevent from entering drainage system. Prevent surface and ground-water infiltration, as well as ground penetration.

**Methods for cleaning up**

Pick up mechanically and dispose of according to Section 13. Flush residue using copious water. Clean soiled bottles immediately.

**7. Handling and storage****Handling**

Avoid build up of dust. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use. Use working methods according to operating instructions. No contact with products of this type in case of allergies, asthma und chronic respiratory tract disorders. During transfer operations: Switch on available suction system. For precautions see section 2.2.

**Storage**

Keep out of access to unauthorised individuals. Store product closed and only in original packing. Not to be stored in gangways or stair wells. Protect against moisture and store closed. Store at room temperature.

**8. Exposure controls / personal protection****Control parameters:****OCCUPATIONAL EXPOSURE LIMITS (OEL)****INGREDIENT DATA:**

Not Available

**EMERGENCY LIMITS:**

Ingredient	TEEL-1	TEEL-2	TEEL-3
[REDACTED]	3.8 mg/m3	42 mg/m3	250 mg/m3
[REDACTED]	30 mg/m3	330 mg/m3	2000 mg/m3

Ingredient	Original IDLH	Revised IDLH
[REDACTED]	Not Available	Not Available
[REDACTED]	Not Available	Not Available
[REDACTED]	Not Available	Not Available

**Exposure controls:**

**Appropriate engineering controls:** Use in a well-ventilated area.

**Individual protection measures, such as personal protective equipment:****Eye / face protection**

Tight fitting protective goggles with side protection (EN 166).

**Skin protection**

Rubber gloves (EN 374). Protective nitrile gloves (EN 374). Minimum layer thickness in mm: >= 0.4. Permeation time (penetration time) in minutes: >= 480.  
Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

**Respiratory protection**

Normally not necessary. If the general dust-limit is exceeded, breathing masks with fine-dust filters are necessary (EN 143), code color white. Breathing mask with fine-dust filter (EN 143), code color white. If applicable, filter P 2 (EN 143), code color white. Observe wearing time limitations for respiratory protection equipment.

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**General hygiene considerations**

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. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

## 9. Physical and chemical properties

### Appearance

Physical state	Solid
Form	Powder
Color	Brown
Odor	Slightly
Odor threshold	Not available
pH	Not available
Vapor pressure	0.0055 Pa(20 °C) ( [REDACTED] )
Melting point/Freezing point	-67 -18 °C( [REDACTED] )
initial boiling point and boiling range	369 °C( [REDACTED] )
Flash point	207 °C( [REDACTED] )
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosion limits	Not available
Vapor density	Not available
Relative density	Not available
Solubility (water)	Soluble
Partition coefficient	Not available
Auto-ignition temperature	250 °C (C [REDACTED] )
Decomposition temperature	Not available
Specific gravity	Not available
Density	0.8956 g/cm³ [REDACTED] )
Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
VOC	Not available
Percent volatile	Not available
Other data	
Viscosity	30.9 mPa s (dynamic) (20 °C) (C [REDACTED] )

## 10. Stability and reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Incompatible materials. Protect from humidity.
Incompatible materials	Avoid contact with other chemicals, oxidizing agents, strong alkalis and strong acids.
Hazardous decomposition products	No decomposition when used as directed.
Possibility of hazardous reactions	No dangerous reactions are known.

## 11. Toxicological information

### Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

#### Information on toxicological effects:

##### Acute toxicity:

A

LD50(Oral, Rat): > 2000 mg/kg bw

LD50(Dermal, Rabbit): 2216 mg/kg bw

LC50(Inhalation, Rat): Not available

##### Acute toxicity:

LD50(Oral, Rat): >2000 mg/kg

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): Not available

Skin corrosion/Irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

## 12. Ecological information

##### Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	108 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

##### Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	>39.5 mg/l	96h	Fish	OECD 203	N/A	N/A
EC50	>39.5 mg/l	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Results of PBT&vPvB assessment: Not available.

Other adverse effects: No known significant effects or critical hazards.

## 13. Disposal considerations

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**14. Transport information****DOT****Basic shipping requirements:**

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Environmental hazards	No

**IATA**

UN number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards	No

**IMDG**

UN number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards	No

**15. Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture:**

<b>_____ is found on the following regulatory lists</b>	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
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**16. Other information, including date of preparation or last revision****HMIS® ratings**

Health: 3  
Flammability: 1  
Physical hazard: 0

**NFPA ratings**

Health: 3  
Flammability: 1  
Instability: 0

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available.

**Issue date**

12-16-2014