

31 D 31 EnzyClean



Version:	Date:	Changes:
2.5	19th June 2008	Physical and chemical properties reworked
2.4	12th March 2004	Conformity with Guideline 2001/58/EC, EmS-Coding Scheme, Section 1 Ingredient-, Composition- and Company-Information revised, revision control
2.3	09th March 2004	last version without declaration of changes

31.1 Ingredient-, Composition- and Company-Information

31.1.1 Product name

D 31 EnzyClean

31.1.2 Product usage description

D 31 EnzyClean is an enzymatic cleaner.

31.1.3 Company name

ad-Arztbedarf GmbH, Gottlieb-Daimler-Str. 15, D – 50226 Frechen

31.1.4 Telephone- and Emergency calls:

Tel.: +49 – 2234 – 956760

31.2 Composition/information on ingredients

Characterization: Mixture of selected enzymes, detergents and glycol.

31.3 Possible Hazards

Indication: None known.

31.4 First – Aid Measures

After inhalation:	Ensure ventilation. Contact a physician.
After contact with eyes:	Wash with water. Contact a physician immediately.
After contact with skin:	Flush with water, wash with soap. Remove contaminated clothing.
After ingestion:	Rinse mouth thoroughly and drink copious amounts of water and contact physician.

31.5 Fire fighting measures

Suitable extinguishing media :	Water, foam, dry media, Carbon Dioxide
Hazardous Combustion Products:	none

31.6 Measures on accidental or unintentional release

Personal precaution:	Wear protective equipment for eyes and skin.
Environment precaution:	Prevent from penetrating into the ground.
Methods for decontamination:	Pick up with suitable media and dispose off carefully.

31.7 Handling and storage

Handling: Store tightly closed.
 Fire prevention: Formation of inflammatory evaporations possible if heated.
 Conditions of storage: Store in cool and ventilated area. Keep away from food.

31.8 Explosion delimitation and personal protection

Technical protection:
 Personal protection: Under normal conditions unnecessary.
 Eye protection: Wear protective equipment for eyes.
 Skin protection: Wear protective gloves.
 General measures: The usual precautions for the handling of chemicals must be observed.
 No smoking.

31.9 Physical and chemical properties

Shape: Liquid Colour: Clear, light-yellowish Odour: typical

Safety-relevant data:

Solidification range:	$\leq 0^{\circ} \text{C}$	Solubility in water:	fully miscible
Boiling point:	ca. 100°C	Viscosity at 20°C :	Unknown
Flash point:	n.a.	pH-Value at 20°C :	ca. 6,0 – 7,0
Vapor pressure at 50°C :	not relevant	Lower Explosion Limit (% by Volume):	n.a.
Density at 20°C :	ca. $1,035 \text{ g/cm}^3$	Upper Explosion Limit: (% by Volume)	n.a.

31.10 Stability and reactivity

Hazardous reactions: none known (according to most recent knowledge)

31.11 Toxicity

Oral LD_{50} : About 6000 mg / kg in rats (calculated).

31.12 Ecological information

Moderate to eliminate. The product contains biodegradable substances.

31.13 Disposal considerations

According to the national procedures.

31.14 Transportation information

GGVSE:
 UN-No.:
 Declaration:
 IMDG-code:
 IMDG-pack-group:
 EmS-Code:
 Hazardous chemicals:
 Dispatch information:

31.15 Labeling information

Hazard warning sign:

R – Phrases:

S – Phrases: S 2 Keep out of the reach of children.

S – Phrases: S 26 In case of contact with eyes, rinse immediately with plenty of water.

Water hazard class: 1 (self classification)

31.16 Other information

CE-certified medical product.

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