

MATERIAL SAFETY DATA SHEET

According to EC Directive 2001/58/EC

1. Identification of the Substances or Preparation and of the Company

1.1 Identification of preparation: **Enz-All**

1.1.2 Date of Revision: July 15, 2008

1.1.3 Use of preparation: Cleaning Agent

1.2 Company identification:

Chemspec Europe

Unit 36C, Tong Park

Otley Road, Baildon

West Yorkshire BD17 7QD UK

Tel: 01274 597333

Fax: 01274 597444

1.3 Emergency telephone number, official advisory bodies:

1.3.1 For medical emergency call Chemtrec at 00-1-703 527-3887.

2. Composition/Information on Ingredients

2.1 Chemical Description: Builders, Enzymes, Nonionic Surfactant, Fragrance.

2.2 Hazardous Ingredients:

Chemical Name	%	CAS-No.	EC#	Hazard Symbol	R-Phrases
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-	15-20	9016-45-9	Unlisted	Xi	36,38
Sodium Carbonate	10-15	497-19-8	2078388	Xi	36

3. Possible Hazards

3.1 For humans: May be irritating to eyes and skin.

3.2 For environment: None known.

4. First Aid Measures

4.1 Inhalation: Remove to fresh air. If symptoms persist consult physician.

4.2 Eye contact: Flush with water for at least 15 minutes.

4.3 Skin contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing.

4.4 Ingestion: Drink plenty of water. Consult physician.

4.5 Physician: Treatment based on judgment of attending physician.

5. Fire Fighting Measures

5.1 Suitable extinguishing media: Water, Carbon dioxide, foam.

5.2 Unsuitable extinguishing media: None known.

5.3 Special exposure hazards: Possibly oxides of carbon and nitrogen, aldehydes, ketones and other unidentified compounds.

5.4 Special safety equipment: Self-contained positive pressure breathing apparatus and protective clothing.

6. **Accidental Release Measures**

- 6.1 Personal precautions: Prevent eye and skin contact.
- 6.2 Environmental precautions: Dispose of according to local regulations.
- 6.3 Methods of cleaning up: Sweep or vacuum up and dispose according to local regulations.

7. **Handling and Storage**

- 7.1 Handling: Prevent eye and skin contact.
- 7.2.1 Storage: Keep container closed to avoid contamination.
- 7.2.2 Incompatible storage: None known
- 7.2.3 Other: None known.

8. **Exposure Controls/Personal Protection**

- Please use common sense when handling this product.
- 8.1 Respiratory protection: Use local exhaust or dilution ventilation.
 - 8.2 Hand protection: Gloves recommended.
 - 8.3 Eye protection: Safety glasses recommended.
 - 8.4 Skin protection: Use body covered clothing.
 - 8.5 Working hygiene: Take usual precautions when handling.

9. **Physical and Chemical Properties**

- 9.1.1 Appearance: Free flowing powder
- 9.1.2 Color: Off-White
- 9.1.3 Odor: Floral
- 9.2 PH(1% soln): 11.1 – 11.7
- 9.3 Boiling point/boiling range: n. ap.
- 9.4 Specific Gravity: 0.65 g/cc
- 9.5 Wt/Gal: n. ap.
- 9.6 Solubility in water: Moderately soluble
- 9.7 % VOC: <0.5% Fragrance
- 9.8 Flash point: n. ap.
- 9.9 Inflammation: n. av.

10. **Stability and Reactivity**

- 10.1 Conditions to avoid: None known.
- 10.2 Materials to avoid: Concentrated acids.
- 10.3 Hazardous decomposition of materials: See point 5.3.

11. **Toxicological Information**

- 11.1 Acute toxicity: n. av.
- 11.2 Acute oral toxicity: LD50 rat: n. av.
- 11.3 Chronic effects: n. av.
- 11.4 Sensitization: n. av.
- 11.5 Carcinogenicity: n. ap.
- 11.6 Mutagenicity: n. av.
- 11.7 Reproductive toxicity: n. av.

11.8 Narcotic effects: n. av.

12. **Ecological Information**

12.1 Water-Hazard class: None (U.S.)

12.2 Biodegradability: Biodegradable

12.3 Bio-accumulation: n. av.

12.4 Aquatic toxicity: n. av.

12.5 Other relevant ecological information: Small quantities considered to be harmless.

13. **Disposal**

13.1 Refer to local regulations.

14. **Transport Information**

Not Regulated

15. **Regulations**

15.1 Symbol: Xi: Irritant



15.2 R-Sentences:

R36: Irritating to eyes.

R38: Irritating to skin.

15.3 S-Sentences:

S2: Keep out of reach of children.

S24: Avoid contact with skin.

S25: Avoid contact with eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37: Wear suitable gloves.

S39: Wear eye/face protection.

16. **Other Information**

DISCLAIMER OF LIABILITY

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material and the results to be obtained from the use thereof.

n.ap = not applicable
n.av = not available