

Safety Data Sheet



Revision Date 22-Feb-2016
Version 1.01

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Enz-All

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

Recommended Use Professional Carpet Cleaning

1.3 Details of the supplier of the safety data sheet

Supplier Legend Brands Europe
Chemspec
22 Plover Close Interchange Park
Newport Pagnell MK16 9PS, UK
+44 (0) 1908 611211

Manufacturer Legend Brands
Chemspec
15180 Josh Wilson Road
Burlington, WA 98233
800-932-3030

For further information, please contact: msds@chemspecworld.com

1.4 Emergency telephone number

Emergency telephone number INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

Europe 112
Austria +43 1 406 43 43
Belgium Poison center (BE): +32 70 245 245
Denmark Poison Control Hotline (DK): +45 82 12 12 12
Finland Poison Information Centre (FI): +358 9 471 977
France ORFILA (FR): + 01 45 42 59 59
Germany Poison Center Berlin (DE): +49 030 30686 790
Poison Center Nord: +49 551 19240 (24h available English / German)
Ireland National Poisons Information Centre (IE): +353 1 8379964
Iceland +354 543 2222
Italy Poison Center, Milan (IT): +39 02 6610 1029
Luxembourg 112
Netherlands National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
Norway Poisons Information (NO): + 47 22 591300
Portugal Poison Information Center (PT): +351 21 330 3284
Spain Poison Information Service (ES): +34 91 562 04 20
Sweden Poisons Information Center (SV): +46 8 33 12 31
Switzerland Poison Center: Tel 145; +41 44 251 51 51
United Kingdom 111

2. Hazards identification

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Serious eye damage/eye irritation	Category 1 - (H318)
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2.2 Label elements**Signal Word**

Danger

Hazard Statements

H318 - Causes serious eye damage

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Contains Ethoxylated Alcohol Mixture

2.3. Other Hazards

No information available

3. Composition/information on ingredients

3.1 Substances

This product is a mixture. Health hazard information is based on its components.

3.2 Mixtures

Chemical Name	EC-No	CAS-No	Weight %	Classification (1272/2008/EC)	REACH Registration Number
Ethoxylated Alcohol Mixture	Not Listed	-	10 - 25	Acute Tox. Inhal. 4 (H302) Eye Dam. 1 (H318)	no data available
Sodium carbonate	207-838-8	497-19-8	10 - 25	Eye Irrit. 2 (H319)	no data available
Tetrasodium Pyrophosphate	231-767-1	7722-88-5	1 - 2.5	no data available	no data available
calcium carbonate (inhalable)	207-439-9	471-34-1	< 1	no data available	no data available
CELLULOSE	232-674-9	9004-34-6	< 1	no data available	no data available
POLY(OXY-1,2-ETHANEDIYL), A-HYDRO-O-HYDROXY-	-	25322-68-3	< 1	NA	no data available
DIPROPYLENE GLYCOL	246-770-3	25265-71-8	< 0.1	no data available	no data available
SUBTILISINS (PROTEOLYTIC ENZYMES)	232-752-2	9014-01-1	< 0.1	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Resp. Sens. 1 (H334) STOT SE 3 (H335)	no data available

CLAY (KAOLIN)	310-194-1	1332-58-7	< 0.1	no data available	no data available
Benzyl acetate	205-399-7	140-11-4	< 0.1	no data available	no data available
Camphor	200-945-0	76-22-2	< 0.1	no data available	no data available
BENZENE, 1,1'-OXYBIS-	202-981-2	101-84-8	< 0.1	no data available	no data available
2,6-OCTADIENAL, 3,7-DIMETHYL-	226-394-6	5392-40-5	< 0.1	Skin Irrit. 2 (H315) Skin Sens. 1 (H317)	no data available

For the full text of the H-Statements mentioned in this Section, see Section 16

4. First Aid Measures

4.1 Description of first-aid measures

Inhalation	Move to fresh air. If symptoms persist, call a physician.
Skin contact	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.
Ingestion	Allergic symptoms may develop within 12 hours after exposure.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons

No information available.

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation, especially in confined areas.

Advice for emergency responders

For personal protection see section 8.

6.2 Environmental precautions

See Section 12 for additional Ecological information.

6.3 Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically and collect in suitable container for disposal.

6.4 Reference to other sections

See section 8 for more information.

7. Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling Ensure adequate ventilation.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

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

Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end uses**Specific use(s)**

No information available

Exposure scenario

No information available.

8. Exposure controls/personal protection**8.1 Control parameters****Exposure Limit Values**

Chemical Name	European Union	Austria	Belgium	Denmark	Finland	France
Tetrasodium Pyrophosphate 7722-88-5		STEL 10 mg/m ³ TWA: 5 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³		TWA: 5 mg/m ³
calcium carbonate (inhalable) 471-34-1						TWA: 10 mg/m ³
CELLULOSE 9004-34-6			TWA: 3 mg/m ³	TWA: 1 mg/m ³		TWA: 1 mg/m ³
POLY(OXY-1,2-ETHANEDIYL), A-HYDRO-O-HYDROXY- 25322-68-3		STEL 4000 mg/m ³ TWA: 1000 mg/m ³				
SUBTILISINS (PROTEOLYTIC ENZYMES) 9014-01-1				Ceiling: 0.00006 mg/m ³		
CLAY (KAOLIN) 1332-58-7			TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 10 mg/m ³
Benzyl acetate 140-11-4			TWA: 10 ppm TWA: 62 mg/m ³	TWA: 10 ppm TWA: 61 mg/m ³		
Camphor 76-22-2		TWA: 2 ppm TWA: 13 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³ STEL: 3 ppm STEL: 19 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³	TWA: 0.3 ppm TWA: 1.9 mg/m ³ STEL: 0.9 ppm STEL: 5.7 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³
BENZENE,		TWA: 1 ppm	TWA: 1 ppm	TWA: 1 ppm	TWA: 1 ppm	TWA: 1 ppm

1,1'-OXYBIS-101-84-8		TWA: 7 mg/m ³	TWA: 7 mg/m ³ STEL: 2 ppm STEL: 14 mg/m ³	TWA: 7 mg/m ³	TWA: 7.1 mg/m ³ STEL: 3 ppm STEL: 21 mg/m ³	TWA: 7 mg/m ³
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
Tetrasodium Pyrophosphate 7722-88-5		TWA: 5 mg/m ³ Ceiling: 10 mg/m ³	TWA: 5 mg/m ³ STEL: 15 mg/m ³			
CELLULOSE 9004-34-6	Skin	TWA: 2 mg/m ³ Ceiling: 4 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 20 mg/m ³ STEL: 12 mg/m ³	TWA: 5.00 mg/m ³ TWA: 10 mg/m ³		
POLY(OXY-1,2-ETHANEDIYL), A-HYDRO-O-HYDROXY-25322-68-3	TWA: 1000 mg/m ³					
DIPROPYLENE GLYCOL 25265-71-8	TWA: 100 mg/m ³ Skin					
SUBTILISINS (PROTEOLYTIC ENZYMES) 9014-01-1		STEL: 0.00006 mg/m ³	TWA: 0.00006 mg/m ³ STEL: 0.00006 mg/m ³			
CLAY (KAOLIN) 1332-58-7	Skin	TWA: 2.0 mg/m ³ respirable dust Ceiling: 4 mg/m ³ respirable dust	TWA: 2 mg/m ³	TWA: 2 mg/m ³		
Benzyl acetate 140-11-4				TWA: 10 ppm TWA: 61 mg/m ³		
Camphor 76-22-2	TWA: 2 ppm TWA: 13 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³ Ceiling: 4 ppm Ceiling: 24 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³ STEL: 3 ppm STEL: 18 mg/m ³	STEL: 3 ppm TWA: 2 ppm TWA: 12.5 mg/m ³		
BENZENE, 1,1'-OXYBIS-101-84-8	TWA: 1 ppm TWA: 7.1 mg/m ³	TWA: 1 ppm TWA: 7 mg/m ³ Ceiling: 2 ppm Ceiling: 14 mg/m ³	TWA: 1 ppm TWA: 7 mg/m ³ STEL: 3 ppm STEL: 21 mg/m ³	STEL: 2 ppm STEL: 14 mg/m ³ TWA: 1 ppm TWA: 7 mg/m ³		
2,6-OCTADIENAL, 3,7-DIMETHYL-5392-40-5				TWA: 5 ppm TWA: 31 mg/m ³		
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	The United Kingdom
Tetrasodium Pyrophosphate 7722-88-5	TWA: 5 mg/m ³ STEL: 10 mg/m ³		TWA: 5 mg/m ³		TWA: 5 mg/m ³	STEL: 15 mg/m ³ TWA: 5 mg/m ³
calcium carbonate (inhalable) 471-34-1		TWA: 10 mg/m ³			TWA: 3 mg/m ³	
CELLULOSE 9004-34-6		TWA: 10 mg/m ³	TWA: 10 mg/m ³		TWA: 2 mg/m ³	STEL: 20 mg/m ³ STEL: 12 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³
POLY(OXY-1,2-ETHANEDIYL), A-HYDRO-O-HYDROXY-25322-68-3					TWA: 1000 mg/m ³	
DIPROPYLENE GLYCOL 25265-71-8					STEL: 280 mg/m ³ TWA: 140 mg/m ³	
SUBTILISINS (PROTEOLYTIC ENZYMES) 9014-01-1		Ceiling: 0.00006 mg/m ³	STEL: 0.00006 mg/m ³	LLV: 1 glycine unit/m ³ CLV: 3 glycineunit/m ³	STEL: 0.00006 mg/m ³	STEL: 0.00012 mg/m ³ TWA: 0.00004 mg/m ³
CLAY (KAOLIN) 1332-58-7		TWA: 2 mg/m ³	TWA: 2 mg/m ³		TWA: 3 mg/m ³	STEL: 6 mg/m ³ TWA: 2 mg/m ³
Benzyl acetate 140-11-4		TWA: 10 ppm	TWA: 10 ppm TWA: 62 mg/m ³			
Camphor	TWA: 2 ppm	STEL: 3 ppm	STEL: 3 ppm		TWA: 2 ppm	STEL: 3 ppm

76-22-2	TWA: 12 mg/m ³ STEL: 4 ppm STEL: 18 mg/m ³	TWA: 2 ppm	STEL: 19 mg/m ³ TWA: 2 ppm TWA: 13 mg/m ³		TWA: 13 mg/m ³	STEL: 19 mg/m ³ TWA: 2 ppm TWA: 13 mg/m ³
BENZENE, 1,1'-OXYBIS- 101-84-8	TWA: 1 ppm TWA: 7 mg/m ³ STEL: 3 ppm STEL: 14 mg/m ³	STEL: 2 ppm TWA: 1 ppm	STEL: 2 ppm STEL: 14.2 mg/m ³ TWA: 1 ppm TWA: 7.1 mg/m ³		STEL: 1 ppm STEL: 7 mg/m ³ TWA: 1 ppm TWA: 7 mg/m ³	STEL: 3 ppm STEL: 21.3 mg/m ³ TWA: 1 ppm TWA: 7.1 mg/m ³
2,6-OCTADIENAL, 3,7-DIMETHYL- 5392-40-5			S* TWA: 5 ppm			

TWA: Time weighted average
 STEL: Short term exposure limit
 LLV: Exposure Limit Values
 STV: Short Term Value

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

- Eye/Face Protection** Safety glasses with side-shields.
- Hand Protection** Rubber/latex/neoprene or other suitable chemical resistant gloves.
- Skin and body protection** Long sleeved clothing.
- Respiratory protection** No special protective equipment required.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls No information available.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Solid
Appearance	Powder
Color	Off-white
Odor	Downey-like
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	10.9	(as 1% solution) No information available
Melting/freezing point		
Boiling point/boiling range	Not applicable	
Flash Point	Not Applicable	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity		No information available
Water solubility	Miscible	
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties		No information available
Oxidizing Properties		No information available

9.2 Other information

Volatile organic compounds (VOC) content <2%

10. Stability and Reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to Avoid

Extremes of temperature and direct sunlight.

10.5 Incompatible Materials

No materials to be especially mentioned

10.6 Hazardous Decomposition Products

Sulfur oxides. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product Information

The product itself has not been tested.

Inhalation	There are no data available for this product.
Eye contact	There are no data available for this product.
Skin contact	There are no data available for this product.
Ingestion	There are no data available for this product.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	18,305.00 mg/kg
ATEmix (dermal)	17,857.00 mg/kg
ATEmix (inhalation-dust/mist)	5.30 mg/l

Unknown Acute Toxicity

- 1.95500001% of the mixture consists of ingredient(s) of unknown toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 1.95500001 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium carbonate	4090 mg/kg (Rat)		= 2300 mg/m ³ (Rat) 2 h
Tetrasodium Pyrophosphate	1000 - 3000 mg/kg (Rat)		
CELLULOSE			> 5800 mg/m ³ (Rat) 4 h

Skin corrosion/irritation No information available.

Eye damage/irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
Specific target organ systemic toxicity (single exposure)	No information available.
Specific target organ systemic toxicity (repeated exposure)	No information available.
Target Organs	Eyes. Respiratory system. Skin.
Aspiration hazard	No information available.

12. Ecological information

12.1 Toxicity

67.452 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Sodium carbonate		LC50: 96 h <i>Lepomis macrochirus</i> 300 mg/L static LC50: 96 h <i>Pimephales promelas</i> 310 - 1220 mg/L static	EC50: 48 h <i>Daphnia magna</i> 265 mg/L
BENZENE, 1,1'-OXYBIS-		LC50: 96 h <i>Pimephales promelas</i> 4 mg/L flow-through LC50: 96 h <i>Pimephales promelas</i> 4 - 7.9 mg/L static	LC50: 48 h <i>Daphnia magna</i> 0.11 - 1.1 mg/L
2,6-OCTADIENAL, 3,7-DIMETHYL-	EC50: 72 h <i>Desmodesmus subspicatus</i> 16 mg/L EC50: 96 h <i>Desmodesmus subspicatus</i> 19 mg/L		EC50: 48 h <i>Daphnia magna</i> 7 mg/L

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

Chemical Name	log Pow
Benzyl acetate	1.96
BENZENE, 1,1'-OXYBIS-	4.24
2,6-OCTADIENAL, 3,7-DIMETHYL-	2.76

12.4 Mobility in soil

Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects.

No information available.

13. Disposal Considerations**13.1 Waste treatment methods**

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated packaging Empty remaining contents.

14. Transport Information**ADR**

14.1 UN Not regulated
 14.2 Proper shipping name Not regulated
 14.3 Hazard class Not regulated
 14.4 Packing Group Not regulated
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions None

IMDG

14.1 UN Not regulated
 14.2 Proper shipping name Not regulated
 14.3 Hazard class Not regulated
 14.4 Packing Group Not regulated
 14.5 Marine pollutant Not applicable
 14.6 Special Provisions None
 14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code No information available

IATA

14.1 UN Not regulated
 14.2 Proper shipping name Not regulated
 14.3 Hazard class Not regulated
 14.4 Packing Group Not regulated
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions None

15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****Germany**

Chemical Name	French RG number	Title
CELLULOSE 9004-34-6	RG 66	-

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL	Complies
PICCS	Complies
ENCS	Complies
IECSC	Complies
AICS	Complies
KECL	Complies
NZIoC	-

Legend

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

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

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

15.2 Chemical Safety Assessment

No information available

16. Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H319 - Causes serious eye irritation

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation

H302 - Harmful if swallowed

Prepared By Chemspec Regulatory Affairs/Product Safety

Revision Date 22-Feb-2016

Revision Note Not Applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

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.

End of Safety Data Sheet