



## ENERGY EASYTABS 5X 80 TABS

WM 0712579

Order number: 0712579

Version 2.10

Revision Date 30.09.2016

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : ENERGY EASYTABS 5X 80 TABS  
Identification number : 40000137

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

Use of the Substance/Mixture : detergents for dishwashers

#### 1.3 Details of the supplier of the safety data sheet

Company : Erdal-Rex GmbH  
Rheinallee 96  
55120 Mainz  
Telephone : +49613196402  
Telefax : +4961319642413  
E-mail address : Produktsicherheit@werner-mertz.com  
Responsible/issuing person :  
Contact person : Product development / product safety

#### 1.4 Emergency telephone number

+49(0)6131-19240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2 H319: Causes serious eye irritation.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
**Response:**  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for



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**Disposal:**  
P501

several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.  
No information available.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
sodium carbonate	497-19-8 207-838-8 01-2119485498-19	Eye Irrit.2; H319	$\geq 25 - < 40$
disodium carbonate, compound with hydrogen peroxide (2:3)	15630-89-4 239-707-6 01-2119457268-30	Acute Tox.4; H302 Ox. Sol.3; H272 Eye Dam.1; H318	$\geq 20 - < 25$
disodium disilicate	13870-28-5 237-623-4	Eye Dam.1; H318	$\geq 2 - < 5$
Fatty alcohol alkoxylate	111905-53-4  02-2119552554-37- 0000	Eye Irrit.2; H319 Skin Irrit.2; H315	$\geq 2 - < 5$

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.
- In case of eye contact : Protect unharmed eye.  
If easy to do, remove contact lens, if worn.



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Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.

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

Symptoms : Irritation  
Risks : No information available.

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

Treatment : For specialist advice physicians should contact the Poisons Information Service.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

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

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.  
Hazardous combustion products :

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.  
Ensure adequate ventilation.

### 6.2 Environmental precautions



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Environmental precautions : Try to prevent the material from entering drains or water courses.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Neutralise with acid.  
Pick up and arrange disposal without creating dust.  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.

Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : Cleaning agent

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### DNEL

sodium carbonate : End Use: Workers  
497-19-8: Exposure routes: Inhalation  
Potential health effects: Long-term local effects  
Value: 10 mg/m<sup>3</sup>

End Use: Consumers



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**disodium carbonate,  
compound with hydrogen  
peroxide (2:3)  
15630-89-4:**

Exposure routes: Inhalation  
Potential health effects: Acute local effects  
Value: 10 mg/m<sup>3</sup>

: End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Acute local effects  
Value: 12,8 mg/cm<sup>2</sup>

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term local effects  
Value: 5 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Acute local effects  
Value: 6,4 mg/cm<sup>2</sup>

### PNEC

**disodium carbonate,  
compound with hydrogen  
peroxide (2:3)  
15630-89-4:**

: Fresh water  
Value: 0,035 mg/l

Marine water  
Value: 0,035 mg/l

## 8.2 Exposure controls

### Personal protective equipment

Eye protection : If splashes are likely to occur, wear:  
Tightly fitting safety goggles

### Hand protection

Material : For prolonged or repeated contact use protective gloves.  
Chemical resistant gloves made of butyl rubber or nitrile rubber  
category III according to EN 374 (0,4 mm).

Remarks : Take note of the information given by the producer concerning  
permeability and break through times, and of special workplace  
conditions (mechanical strain, duration of contact).

Skin and body protection : not required under normal use

Respiratory protection : Not required; except in case of aerosol formation.  
Recommended Filter type:  
ABEK-P3-filter

### Environmental exposure controls

General advice : Try to prevent the material from entering drains or water courses.



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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance	: Solid form
Colour	: white
Odour	: characteristic
Odour Threshold	: No data available
pH	: 11
Melting point/range	: No data available
Boiling point/boiling range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Burning rate	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

#### 9.2 Other information

none

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Stable under recommended storage conditions., No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability



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No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions., No decomposition if used as directed.

### 10.4 Conditions to avoid

Conditions to avoid : No data available

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.  
Other information : No hazardous decomposition products are known.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product

Skin corrosion/irritation : May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation : May cause irreversible eye damage.

Respiratory or skin sensitisation : No data available

Further information : No data available

#### Components:

##### **sodium carbonate**

##### **497-19-8:**

Acute oral toxicity : LD50 Rat: 2.800 mg/kg

LD50 Oral Rat: 4.090 mg/kg

Acute inhalation toxicity : LC50 Rat: 2,3 mg/l  
Exposure time: 2 h  
Method: OECD Test Guideline 403

LC50 Mouse: 1,2 mg/l  
Exposure time: 2 h

Acute dermal toxicity : LD50 Dermal Rabbit: > 2.000 mg/kg

##### **disodium carbonate, compound with hydrogen peroxide (2:3)**

##### **15630-89-4:**



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Acute oral toxicity : LD50 Oral Rat: 1.034 mg/kg

Acute dermal toxicity : LD50 Dermal Rabbit: > 2.000 mg/kg  
Method: see user defined free text

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **sodium carbonate 497-19-8:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 300 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other  
aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 200 - 227 mg/l  
Exposure time: 48 h

EC50 (Daphnia (water flea)): 264 mg/l  
Exposure time: 48 h

##### **disodium carbonate, compound with hydrogen peroxide (2:3) 15630-89-4:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 70,7 mg/l  
Exposure time: 96 h

NOEC (Pimephales promelas (fathead minnow)): 7,4 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other  
aquatic invertebrates : EC50 (Daphnia pulex (Water flea)): 4,9 mg/l  
Exposure time: 48 h

Toxicity to daphnia and other  
aquatic invertebrates (Chronic  
toxicity) : NOEC: 2 mg/l  
Species: Daphnia pulex (Water flea)

#### 12.2 Persistence and degradability

##### Product:

Biodegradability : Remarks: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available





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### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

**Product:**

Additional ecological information : There is no data available for this product.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

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## SECTION 14: Transport information

### 14.1 UN number

**ADR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

### 14.2 Proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class

**ADR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

### 14.4 Packing group

**ADR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

### 14.5 Environmental hazards



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### ADR

Not dangerous goods  
Not regulated as a dangerous good

### IATA

Not dangerous goods

### 14.6 Special precautions for user

For personal protection see section 8.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

3	Oxidizing	Quantity 1 50 000067	Quantity 2 200 000067
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Seveso III: Directive 2012/18/EU : Not applicable  
of the European Parliament and of  
the Council on the control of  
major-accident hazards involving  
dangerous substances.

TA Luft List (Germany) : Total dust: Not applicable  
: Inorganic substances in powdered form: Not applicable  
: Inorganic substances in vapour or gaseous form: Not applicable  
: Organic Substances: Not applicable  
: Carcinogenic substances: Not applicable  
: Mutagenic: Not applicable  
: Toxic to reproduction: Not applicable

according to Detergents : 15 - <30% Oxygen-based bleaching agents, <5% Non-ionic  
Regulation EC 648/2004 surfactants, Polycarboxylates, Enzymes

### 15.2 Chemical safety assessment

## SECTION 16: Other information

### Full text of H-Statements

H272	May intensify fire; oxidizer.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.



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