

## Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Version number: GHS 2.0  
Replaces version of: 2020-02-13

Revision: 2020-10-05

### Enzo Pet Supply "Enzo Renew"

(GHS 1)

#### SECTION 1: Identification

##### 1.1 Product identifier

Trade name **Enzo Pet Supply "Enzo Renew"**

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

Relevant identified uses Pet product cleaning detergent

##### 1.3 Details of the supplier of the safety data sheet Enzo Pet Supply USA 1.704.605.8851

2820 Selwyn Avenue, Box# 844 24 hour emergency number  
Charlotte, NC 28209  
704-605-8851

enzopetsupply@gmail.com  
www.enzopetsupply.com

##### 1.4 Emergency telephone number

Emergency information service

#### 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
A.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
A.4S	skin sensitization	1	Skin Sens. 1	H317

For full text of abbreviations: see SECTION 16.

#### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS05, GHS07



- Hazard statements

H315 Causes skin irritation.

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13

H317 May cause an allergic skin reaction. H318 Causes serious eye damage.

## Enzo Pet Supply "Enzo Renew"

(GHS 1)

### - Precautionary statements

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 If on skin: Wash with plenty of water.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a poison center/doctor.
- P321 Specific treatment (see on this label).
- P362 Take off contaminated clothing and wash it before reuse.
- P363 Wash contaminated clothing before reuse.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazardous ingredient : for labelling d-limonene, sodium metasilicate, anhydrous, ethoxylated C11-15 secondary alcohols

### 2.3 Other hazards

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

Description of the mixture

Hazardous ingredients acc. to GHS			
Name of substance	Identifier	Wt%	Classification acc. to GHS
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	CAS No 51981-21-6	3 – < 12	Acute Tox. 4 / H332

## Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13

2-(2-butoxyethoxy)ethanol	CAS No 112-34-5	3 – < 12	Eye Irrit. 2 / H319
sodium metasilicate, anhydrous	CAS No 6834-92-0	3 – < 12	Acute Tox. 4 / H302 Acute Tox. 3 / H331 Skin Corr. 1B / H314 Eye Dam. 1 / H318 STOT SE 3 / H335
ethoxylated C11-15 secondary alcohols	CAS No 68131-40-8	1 – < 3	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318
d-limonene	CAS No 5989-27-5	1 – < 3	Skin Irrit. 2 / H315 Skin Sens. 1B / H317 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
disodium cocoamphodipropionate	CAS No 68604-71-7	1 – < 3	Eye Irrit. 2B / H320 Flam. Liq. 4 / H227

### Enzo Pet Supply "Enzo Renew"

(GHS 1)

Hazardous ingredients acc. to GHS			
Name of substance	Identifier	Wt%	Classification acc. to GHS
methanol	CAS No 67-56-1	0.1 – < 1	Acute Tox. 3 / H301 Acute Tox. 3 / H311 Acute Tox. 3 / H331 STOT SE 1 / H370 Flam. Liq. 2 / H225

For full text of abbreviations: see SECTION 16. Exact percentage of ingredients is withheld as a trade secret.

#### SECTION 4: First-aid measures

##### 4.1 Description of first- aid measures General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

##### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

## Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13

### Following skin contact

Wash with plenty of soap and water.

### Following eye contact

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

### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

Water  
jet

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

Hazardous combustion  
products

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Replaces version of: 2020-02-13 (GHS 1)

Revision: 2020-10-05

### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures** For non-emergency personnel Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

**6.2 Environmental precautions 6.3 Methods and material for containment and cleaning up**

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

**6.4 Reference to other sections**

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10.

Disposal considerations: see section 13.

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

Recommendations

- Measures to prevent fire as well as aerosol and dust generation Use local and general ventilation. Use only in well-ventilated areas.

- Handling of incompatible substances or mixtures Do not mix with acids.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

Control of the effects

Protect against external exposure, such as Frost

**7.3 Specific end use(s)**

See section 16 for a general overview.

### SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

Occupational exposure limit values (Workplace Exposure Limits)

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Ceiling-C [ppm]	Ceiling-C [mg/m <sup>3</sup> ]	Notation	Source
US	diethylene glycol monobutyl ether	112-34-5	TLV®	10						iv	ACGIH® 2019
US	methanol	67-56-1	TLV®	200		250					ACGIH® 2019
US	methyl alcohol	67-56-1	REL	200 (10 h)	260 (10 h)	250	325				NIOSH REL
US	methyl alcohol	67-56-1	PEL	200	260						29 CFR 1910.1000
US	methyl alcohol (methanol)	67-56-1	PEL (CA)	200	260	250	325	1,000			Cal/OSHA PEL

### Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur in inhalable fraction and vapor

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Biological limit values						
Country	Name of agent	Parameter	Notation	Identifier	Value	Source
US	methanol	methanol		BEI®	15 mg/l	ACGIH® 2019
Relevant DNELs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	51981-21-6	DNEL	7.3 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	51981-21-6	DNEL	15,000 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	67.5 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

Relevant DNELs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	67.5 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	101.2 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	83 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
sodium metasilicate, anhydrous	6834-92-0	DNEL	6.22 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
sodium metasilicate, anhydrous	6834-92-0	DNEL	1.49 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
ethoxylated C11-15 secondary alcohols	68131-40-8	DNEL	42.32 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
ethoxylated C11-15 secondary alcohols	68131-40-8	DNEL	6 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
d-limonene	5989-27-5	DNEL	33.3 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
methanol	67-56-1	DNEL	130 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
methanol	67-56-1	DNEL	130 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic effects
methanol	67-56-1	DNEL	130 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
methanol	67-56-1	DNEL	130 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
methanol	67-56-1	DNEL	20 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
methanol	67-56-1	DNEL	20 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects
Relevant PNECs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
tetrasodium N,N-bis(carboxylatomethyl) - L-glutamate	51981-21-6	PNEC	67 mg/kg	(top) predators	water	short-term (single instance)

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	51981-21-6	PNEC	9.45 mg/l	aquatic organisms	freshwater	short-term (single instance)
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	51981-21-6	PNEC	0.945 mg/l	aquatic organisms	marine water	short-term (single instance)

### Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	51981-21-6	PNEC	41.2 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	51981-21-6	PNEC	0.5 mg/kg	terrestrial organisms	soil	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	200 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	4 mg/kg	benthic organisms	sediment	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	56 mg/kg	(top) predators	water	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	3.9 mg/l	aquatic organisms	water	intermittent release
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	0.4 mg/kg	pelagic organisms	sediment	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	1.1 mg/l	aquatic organisms	freshwater	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	0.11 mg/l	aquatic organisms	marine water	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	200 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	4.4 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	0.44 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	0.32 mg/kg	terrestrial organisms	soil	short-term (single instance)
ethoxylated C11-15 secondary alcohols	68131-40-8	PNEC	20 µg/l	aquatic organisms	freshwater	short-term (single instance)



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

ethoxylated C11-15 secondary alcohols	68131-40-8	PNEC	2 µg/l	aquatic organisms	marine water	short-term (single instance)
ethoxylated C11-15 secondary alcohols	68131-40-8	PNEC	8.24 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
ethoxylated C11-15 secondary alcohols	68131-40-8	PNEC	28.1 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
ethoxylated C11-15 secondary alcohols	68131-40-8	PNEC	2.81 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
ethoxylated C11-15 secondary alcohols	68131-40-8	PNEC	5.6 mg/kg	terrestrial organisms	soil	short-term (single instance)
d-limonene	5989-27-5	PNEC	5.4 µg/l	aquatic organisms	freshwater	short-term (single instance)

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

Relevant PNECs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
d-limonene	5989-27-5	PNEC	0.54 µg/l	aquatic organisms	marine water	short-term (single instance)
d-limonene	5989-27-5	PNEC	1.8 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
d-limonene	5989-27-5	PNEC	1.32 mg/kg	benthic organisms	sediment	short-term (single instance)
d-limonene	5989-27-5	PNEC	0.13 mg/kg	pelagic organisms	sediment	short-term (single instance)
d-limonene	5989-27-5	PNEC	0.262 mg/kg	terrestrial organisms	soil	short-term (single instance)
d-limonene	5989-27-5	PNEC	3.33 mg/kg	(top) predators	water	short-term (single instance)
methanol	67-56-1	PNEC	100 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
methanol	67-56-1	PNEC	77 mg/kg	benthic organisms	sediment	short-term (single instance)
methanol	67-56-1	PNEC	7.7 mg/kg	pelagic organisms	sediment	short-term (single instance)
methanol	67-56-1	PNEC	1,540 mg/l	aquatic organisms	water	intermittent release
methanol	67-56-1	PNEC	20.8 mg/l	aquatic organisms	freshwater	short-term (single instance)
methanol	67-56-1	PNEC	2.08 mg/l	aquatic organisms	marine water	short-term (single instance)
methanol	67-56-1	PNEC	100 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
methanol	67-56-1	PNEC	77 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
methanol	67-56-1	PNEC	7.7 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
methanol	67-56-1	PNEC	100 mg/kg	terrestrial organisms	soil	short-term (single instance)

### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

**Eye/face protection** Wear eye/face protection.

### Skin protection

#### - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### - Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	liquid
Color	colorless to pale yellow; transparent
Odor	citrus

#### Other safety parameters

pH (value)	12.2 – 12.4 (25 °C) (base)
Melting point/freezing point	not determined
Initial boiling point and boiling range	90 °C
Flash point	>100 °C at 1 atm
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Explosive limits	not determined
Vapor pressure	31.69 hPa at 25 °C
- n-octanol/water (log KOW)	this information is not available

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

Density	8.66 lb/gal at 25 °C 1.03 – 1.04 g/cm <sup>3</sup> at 25 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

Auto-ignition temperature	210 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none
Temperature class (USA, acc. to NEC 500)	T3 (maximum permissible surface temperature on the equipment: 200°C)

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

#### 10.2 Chemical stability

See below "Conditions to avoid".

#### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

#### 10.5 Incompatible materials

Oxidizers

Release of flammable materials with:

Light metals (due to the release of hydrogen in an acid/alkaline medium)

#### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

Hazardous combustion products: see section 5.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200) Acute toxicity**

Shall not be classified as acutely toxic.

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	51981-21-6	inhalation: dust/mist	4.2 mg/l/4h
sodium metasilicate, anhydrous	6834-92-0	oral	1,349 mg/kg
sodium metasilicate, anhydrous	6834-92-0	inhalation: vapor	2.06 mg/l/4h
sodium metasilicate, anhydrous	6834-92-0	inhalation: dust/mist	0.5 mg/l/4h
ethoxylated C11-15 secondary alcohols	68131-40-8	oral	≥2,000 mg/kg
methanol	67-56-1	oral	100 mg/kg

**Skin corrosion/irritation** Causes skin irritation. **Serious eye damage/eye irritation** Causes serious eye damage.

**Respiratory or skin sensitization** May cause an allergic skin reaction.

### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans			
Name of substance	CAS No	Classification	Number
d-limonene	5989-27-5	3	

### Legend

3 Not classifiable as to carcinogenicity in humans

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxic to aquatic life with long lasting effects.

#### Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
tetrasodium N,N-bis(carboxylatomethyl)L-glutamate	51981-21-6	LC50	>100 mg/l	fish	96 h
tetrasodium N,N-bis(carboxylatomethyl)L-glutamate	51981-21-6	EC50	>100 mg/l	aquatic invertebrates	48 h
2-(2-butoxyethoxy)ethanol	112-34-5	LC50	1,300 mg/l	fish	96 h
2-(2-butoxyethoxy)ethanol	112-34-5	EC50	>100 mg/l	aquatic invertebrates	48 h
2-(2-butoxyethoxy)ethanol	112-34-5	ErC50	>100 mg/l	algae	96 h
sodium metasilicate, anhydrous	6834-92-0	LC50	310 mg/l	fish	96 h
sodium metasilicate, anhydrous	6834-92-0	EC50	1,700 mg/l	aquatic invertebrates	48 h
ethoxylated C11-15 secondary alcohols	68131-40-8	LL50	1.53 mg/l	fish	96 h
ethoxylated C11-15 secondary alcohols	68131-40-8	EL50	5.66 mg/l	aquatic invertebrates	48 h
d-limonene	5989-27-5	LC50	720 µg/l	fish	96 h
d-limonene	5989-27-5	EC50	688 µg/l	fish	96 h
disodium cocoamphodipropionate	68604-71-7	LC50	1 – 100 mg/l	fish	72 h
disodium cocoamphodipropionate	68604-71-7	EC50	0.55 – 48 mg/l	algae	72 h

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

disodium cocoamphodipropionate	68604-71-7	EC50	6.5 mg/l	daphnia	48 h
methanol	67-56-1	LC50	15,400 mg/l	fish	96 h
methanol	67-56-1	EC50	12,700 mg/l	fish	96 h
methanol	67-56-1	ErC50	22,000 mg/l	algae	96 h



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
tetrasodium N,N-bis(carboxylatomethyl)L-glutamate	51981-21-6	EC50	396.2 mg/l	aquatic invertebrates	21 d
sodium metasilicate, anhydrous	6834-92-0	EC50	>100 mg/l	microorganisms	3 h
ethoxylated C11-15 secondary alcohols	68131-40-8	EC50	824 mg/l	microorganisms	3 h
d-limonene	5989-27-5	EC50	0.85 mg/l	aquatic invertebrates	24 h

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Other adverse effects

Endocrine disrupting potential

None of the ingredients are listed.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets. Waste

treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

14.1 UN number	not subject to transport regulations
14.2 UN proper shipping name	not assigned
14.3 Transport hazard class(es)	not assigned
14.4 Packing group	not assigned
14.5 Environmental hazards	non-environmentally hazardous acc. to the dangerous

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

goods regulations

### 14.6 Special precautions for user

There is no additional information.

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

The cargo is not intended to be carried in bulk.

#### Information for each of the UN Model Regulations

##### **Transport of dangerous goods by road or rail (49 CFR US DOT)**

Not subject to transport regulations.

##### **International Maritime Dangerous Goods Code (IMDG)**

Not subject to IMDG.

##### **International Civil Aviation Organization (ICAO-IATA/DGR)**

Not subject to ICAO-IATA.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question National regulations (United States) Toxic Substance Control Act (TSCA) all ingredients are listed Superfund Amendment and Reauthorization Act (SARA TITLE III )

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings			
Name of substance	CAS No	Remarks	Effective date
methanol	67-56-1		1986-12-31

### **Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)**

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

Name of substance	CAS No	Wt%	Remarks	Statutory code	Final RQ pounds (Kg)
methanol	67-56-1	0.1271		3 4	5000 (2270)

#### Legend

3 "3" indicates that the source is section 112 of the Clean Air Act

4 "4" indicates that the source is section 3001 of the Resource Conservation and Recovery Act (RCRA)

### **Clean Air Act**

none of the ingredients are listed

### **Right to Know Hazardous Substance List**

- Cleaning Product Right to Know Act Substance List (CA-RTK)

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

Name of substance	CAS No	Functionality	Authoritative Lists
water	7732-18-5	solvent	
tetrasodium N,N-bis(carboxylatomethyl)-Lglutamate	51981-21-6	chelate / sequestrant	
2-(2-butoxyethoxy)ethanol		co-solvent	CA TACs
sodium metasilicate, anhydrous	6834-92-0	cleaning agent	
ethoxylated C11-15 secondary alcohols	68131-40-8	surfactant	
d-limonene	5989-27-5	fragrance	EU Fragrance Allergens
disodium cocoamphodipropionate	68604-71-7	surfactant	
methanol	67-56-1	alcohols	CA TACs NTP OHAT - Repr. or Dev. Toxicants OEHHA RELS Prop 65
propylene glycol	57-55-6	humectant	
cocoyl hydroxyethylimidazoline	61791-38-6	non-functional constituent	

### - Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
methanol	67-56-1				1.0 %
2-(2-butoxyethoxy)ethanol		1022			1.0 %

### - Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
tetrasodium N,N-bis(carboxylatomethyl)-Lglutamate		A	dust

#### Legend

A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH

dust If the substance poses an airborne particulate exposure hazard, the substance is followed by the word "dust."

### - Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
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# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

methanol	67-56-1		TE F3
2-(2-butoxyethoxy)ethanol			
d-limonene	138-86-3		F2

### Legend

F2 Flammable - Second Degree

F3 Flammable - Third Degree TE

Teratogenic

### - Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
METHANOL	67-56-1	E
GLYCOL ETHERS		E

### Legend

E Environmental hazard

### - Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
methanol	67-56-1	T, F

### Legend

F Flammability (NFPA®) T

Toxicity (ACGIH®)

### California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals				
Name acc. to inventory	CAS No	Wt%	Remarks	Type of the toxicity
methanol	67-56-1	0.1271		developmental
1,4-dioxane	123-91-1	0.0001733		cancer

### VOC content

- Regulated Volatile Organic Compounds (VOC-EPA) 1.423 %

- Regulated Volatile Organic Compounds (VOC-Cal ARB) 1.423 %

### Industry or sector specific available guidance(s) NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	3	major injury likely unless prompt action is taken and medical treatment is given
Flammability	1	material that must be preheated before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

Chronic: chronic hazard  
Flammability: flammability hazard  
Health: health hazard  
Personal protection: personal protective equipment (PPE) for normal use  
Physical hazard: reactivity

### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	1	material that must be preheated before ignition can occur
Health	3	material that, under emergency conditions, can cause serious or permanent injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

### National inventories

Country	Inventory	Status
CA	DSL	all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
US	TSCA	all ingredients are listed

#### Legend

DSL Domestic Substances List (DSL)

REACH Reg. REACH registered substances

TSCA Toxic Substance Control Act

## 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

### Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safetyrelevant
2.2	- Hazardous ingredients for labelling: d-limonene, sodium metasilicate, anhydrous	- Hazardous ingredients for labelling: d-limonene, sodium metasilicate, anhydrous, ethoxylated C11- 15 secondary alcohols	yes
2.3	Hazards not otherwise classified		yes
2.3		Hazards not otherwise classified: change in the listing (table)	yes
3.2		Hazardous ingredients acc. to GHS: change in the listing (table)	yes
8.1		Relevant DNELs of components of the mixture: change in the listing (table)	yes
8.1		Relevant PNECs of components of the mixture: change in the listing (table)	yes
Section	Former entry (text/value)	Actual entry (text/value)	Safetyrelevant
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.1	Toxicity: Harmful to aquatic life with long lasting effects.	Toxicity: Toxic to aquatic life with long lasting effects.	yes
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)	yes
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table)	yes
15.1		Hazardous Substances List (MN-ERTK)	yes
15.1		Hazardous Substances List (MN-ERTK): change in the listing (table)	yes
15.1		Hazardous Substance List (Chapter 323) (PA-RTK): change in the listing (table)	yes
15.1	VOC content: Regulated Volatile Organic Compounds (VOC- EPA): 1.423 % Regulated Volatile Organic Compounds (VOC-Cal ARB): 1.423 %	VOC content	yes

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Enzo Pet Supply "Enzo Renew"

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13 (GHS 1)

15.1		Regulated Volatile Organic Compounds (VOCEPA): 1.423 %	yes
15.1		Regulated Volatile Organic Compounds (VOC-Cal ARB): 1.423 %	yes
16		Abbreviations and acronyms: change in the listing (table)	yes

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH®	American Conference of Governmental Industrial Hygienists
ACGIH® 2019	From ACGIH®, 2019 TLVs® and BEIs® Book. Copyright 2019. Reprinted with permission. Information on the proper use of the TLVs® and BEIs®: <a href="http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement">http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement</a>
Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
ATE	Acute Toxicity Estimate

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Version number: GHS 2.0  
Replaces version of: 2020-02-13

Revision: 2020-10-05

## Enzo Pet Supply "Enzo Renew"

(GHS 1)

Abbr.	Descriptions of used abbreviations
Cal/OSHA PEL	California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)
Cal ARB	California Air Resources Board
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DEP CODE	Department of Environmental Protection Code
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
EPA	Environmental Protection Agency. An agency of the federal government of the United States charged with protecting human health and the environment
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
HHS	Higher hazard substance
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LHS	Lower hazard substance
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13

MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NFPA®	National Fire Protection Association (United States)
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible exposure limit
PNEC	Predicted No-Effect Concentration

## Enzo Pet Supply "Enzo Renew"

Code	Text
H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation.

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13

H331	Toxic if inhaled.
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(GHS 1)

Abbr.	Descriptions of used abbreviations
ppm	Parts per million
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitization
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
TLV®	Threshold Limit Values
TWA	Time-weighted average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

## Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

## Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

## List of relevant phrases (code and full text as stated in chapter 2 and 3)

### Enzo Pet Supply "Enzo Renew"

(GHS 1)

Code	Text
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Version number: GHS 2.0

Revision: 2020-10-05

Replaces version of: 2020-02-13

## **Disclaimer**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.