

Safety Data Sheet

According to (EC) No. 1907/2006 and (EC) 453/2010

Activa Urinoarblock Enzym/ Activa Urinal blocks Enzyme

Date 2013-08-01

Version 4

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1 Product name	Activa Urinoarblock Enzym/ Activa Urinal blocks Enzyme
1.2 Use of the preparation	Cleaning blocks for urinals
Article number	30028
Supplier	Hygienteknik Sverige AB
Address	Hejargränd 2 SE-721 33 Västerås, Sweden
1.3 Telephone	+46(0)21-104100
Web Page/E-mail	www.hygienteknik.se/info@hygienteknik.se
1.4 Emergency telephone	112, +46 (0)8-331231 Swedish poison information

SECTION 2: Hazards identification

2.1 Classification of the substance or the mixture:

Classification (1999/45/EC)

Xn; R22, Xi; R36/38

2.2 Label elements:

Symbol



Harmful

Substance name

Straightchain alkyl(C10C13) benzene sulfonate

Risk phrases

R22 Harmful if swallowed

R36/38 Irritating to eyes and skin

Safety phrases

S2 Keep out of the reach of children

S13 Keep away from food, drink and animal feedingstuffs

S25 Avoid contact with eyes

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

S36/37 Wear suitable protective clothing and gloves

S46 If swallowed, seek medical advice immediately and show this container or label

S52 Not recommended for interior use on large surface areas

2.3 Other hazards

This product is not considered to contain any substances meeting the regulations of PBT- or vPvB classification.

Additional labeling

Contains Dipentene, Protease, Linalol and 2,6-Dimethyl-2,6-octadien-8-ol. May produce an allergic reaction.

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SECTION 3: Composition/information on ingredients

3.2 Chemical composition: Mixture

Components	CAS-No EC-No	Reg- No	Conc. %	Symbol R-phrases*	Hazard Class and Category Code(s)	Hazard statement Code(s)*
Straightchain alkyl(C10C13) benzene sulfonate	68411-30-3 270-115-0	-	25-50	Xn; R22 Xi; R36/38	Acute Tox 4 Skin Irrit. 2 Eye Irrit 2	H302 H315 H319
Amides, coco, N- (hydroxyethyl),	68140-00-1 268-770-2	-	< 10	Xi; R41	Eye Dam 1	H318
Dipentene	138-86-3 205-341-0	-	<1	R10 Xi; R38,R43 N; R50/53	Flam Liq 3 Skin Irrit 2 Skin Sens1 Aqua. Acute 1 Aqua. Chronic 1	H226 H315 H317 H400 H410
Protease	-	-	<1	Xi; R37/38, R41, R42	STOT SE 3 Skin Irrit. 2 Eye Dam. 1 Resp. Sens. 1	H335 H315 H318 H334
Linalol	78-70-6 201-134-4	-	<1	Xi; R43	Skin Sens 1	H317
2,6-Dimethyl-2,6- octadien-8-ol	106-24-1 203-377-1	-	<1	Xi; R43	Skin Sens 1	H317
1,7,7-Trimethyl- Bicyclo -(2.2.1) heptan- 2-one	76-22-2 200-945-0	-	≤2,5	T; R25	Acute Tox 3	H301

*The full text of Risk phrases and Hazard statement Codes are listed under heading 16.

The classification is based on information from the chemical supplier and www.ecb.europa.eu (databases).

Description of symbols abbreviations:

T= Toxic; T+= Very toxic; C= Corrosive; Xn= Harmful; Xi= Irritant; O= Oxidizing;
E= Explosive; F= Highly flammable; F+= Extremely flammable; N= Dangerous to the
environment

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SECTION 4: First aid measures

4.1 Description of first aid measures:

General Information

In all cases of doubt, or when symptoms persist, seek medical advice. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Never give fluids or induce vomiting if patient is unconscious. Keep person warm and calm.

Inhalation

Fresh air. Contact a doctor if the complaints persist. Give artificial respiration if necessary.

Skin contact

Take off all contaminated clothing wash with soap and water and rinse the skin thoroughly.

Eye contact

Important! Rinse immediately with water for at least 10 minutes. Hold eyelids apart. Contact a doctor if the complaints persist.

Ingestion

Seek medical attention immediately.

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

Inhalation:	Contains a small amount of Protease which may cause sensitization by inhalation.
Skin contact:	Irritating to skin. (Redness, pain). Contain substances that may cause sensitization by skin contact.
Eye contact:	Irritating to eyes. (Pain, redness, tearing)
Ingestion:	Harmful if ingested.

4.3 Indication of any immediate medical attention and special treatment needed

No specific.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Foam, dry powder, carbon dioxide or water spray.

5.2 Special hazards arising from the substance or mixture

Do not breathe fumes it might be harmful.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and protective clothing.

Additional information

Cool endangered containers with water in case of fire.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure suitable personal protection.

6.2 Environmental precautions

Do not flush larger amounts into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Collect the waste mechanically.

6.4 Reference to other sections

For handling and storage, see section 7.

For personal protection, see section 8.

For disposal of spillage, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Comply with the health and safety at work laws. Read instructions before use.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container.

7.3 Specific end use(s)

Cleaning blocks for urinals.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Provide adequate ventilation. Eyewash station should be provided.

Exposure limits

Swedish limit values or limit values according to the European commission

Substance	CAS-No	Level limit Value	Ceiling limit Value	Short time value	Note
Enzyme	-	1 glycine unit/m ³	3 glycine unit/m ³	-	S
Dipentene	138-86-3	25 ppm 150 mg/m ³	-	50 ppm 300 mg/m ³	S

Explanation note

S= The substance is sensitizing

8.2 Exposure controls:

General protective and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food and animal feeding stuffs. Wash hands before breaks and after work. Remove and wash contaminated clothing before reuse. Avoid contact with eyes and skin.

Individual protection measures, such as personal protective equipment:

Always consult a competent person/supplier when selecting personal protective equipment.

Respiratory protection

Not required when used as intended

Eye protection

Not required when used as intended

Hand protection

Protective gloves must be used if there is a risk of direct contact. (for example rubber)

Clothing requirements:

Not required when used as intended

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Form:	Solid
Colour:	Blue
Odour:	Characteristic
Odor threshold:	Not available
pH-value (20°C):	Not applicable
Melting point/ Freezing point (°C):	Not available
Boiling point/range: (°C):	Not available
Flash point (°C):	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not available
Upper / lower flammability limits or explosive limits:	Not available
Vapour pressure:	Not applicable
Vapour density (air=1):	Not applicable
Relative density:	Not available
Density:	Not available
Solubility in water:	Insoluble
Solubility in organic solvents:	Not available
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature (C):	Not self-ignite
Decomposition temperature (°C):	Not available
Viscosity (20°C):	Not available
Explosive properties:	Not explosive
Oxidising properties:	Not available
Cloud points (° C):	Not available
Contains of organic solvents:	0,9
VOC (%):	0,00
Solids Content (%)	95,4

9.2 Other information:

No specific.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable.

10.2 Chemical stability

Stable under recommended storage and handing conditions.

10.3 Possibility of hazardous reactions

Stable under recommended storage and handing conditions.

10.4 Conditions to avoid

Stable under recommended storage and handing conditions.

10.5 Incompatible materials

No hazardous decompositions products known under recommended handing conditions.

10.6 Hazardous decomposition products

No known.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on toxicological effects see section 4. (Most important symptoms and effects, both acute and delayed)

Toxicity

Information about this preparation is not available.

Toxicology data for the containing components

Straightchain alkyl(C10C13) benzene sulfonate (68411-30-3) Amides, coco, N-(hydroxyethyl), (68140-00-1)	LD ₅₀ Oral rat: 1086 -1980 mg/kg bodyweight
	LD ₅₀ Dermal rabbit: >2000 mg/kg bodyweight
	LD ₅₀ Oral rat: 3300 mg/kg bodyweight

Effects of chronic exposure

No known.

Routes of exposure

Inhalation, eyes and skin, ingestion.

Sensitisation

The product is not classified as allergenic by inhalation or skin contact. But it does contain Dipentene, Protease, Linalol and 2,6-Dimethyl-2,6-octadien-8-ol that may produce an allergic reaction.

Carcinogenicity, mutagenicity and toxicity for reproduction

This product is not classified as carcinogen, mutagen and toxic for reproduction.

SECTION 12: Ecological information

This product is not classified as dangerous for the environment.

Do not flush large amounts into sanitary sewer system.

12.1 Toxicity

Information about this preparation is not available.

Toxicology data for the containing components:

Straightchain alkyl(C10C13) benzene sulfonate (68411-30-3)	LC ₅₀ Fish 96h: 0,7 mg/l Sp: Pimephales promelas
	EC ₅₀ Daphnia 48h: 1,62 mg/l Sp: D. magna
	IC ₅₀ Algae 72h: 11 mg/l Sp: Selenastrum capricornutum

12.2 Persistence and degradability

Straightchain alkyl(C10C13) benzene sulfonate (68411-30-3) - 84% degraded in 21 days OECD 301E

Amides, coco, N- (hydroxyethyl) (68140-00-1) - 82 % degraded in 30 days OECD 301D

12.3 Bioaccumulative potential

Log Pow: 3,32 - Straightchain alkyl(C10C13) benzene sulfonate (68411-30-3)

12.4 Mobility in soil

-

12.5 Results of PBT and vPvB assessment

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

12.6 Other adverse effects

No known.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local authority requirements. Do not empty into drain.

Hazardous waste.

Suggested EWC-code: 20 01 29* detergents containing dangerous substances

Disposal of Packaging:

Empty and cleaned packaging can be recycled.

SECTION 14: Transport information

The product is not classified as dangerous goods according to ADR/RID, IMDG, DGR.

14.1 UN number

-

14.2 Proper shipping name (IMDG,IATA/ICAO)

-

14.3 Transport hazard class(es)

-

14.4 Packing group

-

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user

-

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

-

Tunnel restriction code

-

LQ

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SECTION 15: Regulatory information

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

Classification according to (67/548/EEC, 1999/45/EC).

15.2 Chemical safety assessment

No conducted.

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SECTION 16: Other information

The full text of Risk phrases and Hazard statement Codes listed under heading 3

R10 Flammable

R22 Harmful if swallowed

R25 Toxic if swallowed

R36/38 Irritating to eyes and skin

R37/38 Irritating to respiratory system and skin

R38 Irritating to skin

R41 Risk of serious damage to eyes

R42 May cause sensitization by inhalation

R43 May cause sensitization by skin contact

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

H226 Flammable liquid and vapour

H301 Toxic if swallowed

H302 Harmful if swallowed

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H319 Causes serious eye irritation

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

H335 May cause respiratory irritation

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

The user of this product must decide if the information in this safety data sheet is sufficient for which the product will be used.

Version 4: 2013-08-01 Safety data sheet according to Regulation (EC) No. 1907/2006 and (EG) 453/2010

Version 3: 2009-12-28

Version 1: 2008-05-28

Explanation of abbreviations

BCF: Bio Concentration Factor.

CAS-nr: Chemical Abstracts Service number

EC₅₀: Effect Concentration

IMDG: International Maritime Dangerous Goods Code.

LC₅₀: Lethal Concentration

LD₅₀: Lethal Dose

NOEC: No Observed Effect Concentration

PBT- substances: Persistent, Bio accumulative and Toxic substances.

vPvB- substances; Very persistent and Very Bio accumulative substances.