

Material Safety Data Sheet according to 91/155/EEC - 2001/58/EC

Product name: Genonex

Revision: 13.03.2006 **Version :** 1.0.2

Print date: 13.03.2006



01. Identification of substance, preparation and company

Product name:

Genonex

Use of the substance / preparation

Detergent

Manufacturer

Genano Oy, Finland

Street/P.O.Box

Teknobulevardi 3-5, PL 35

Country code/Postal code/Town/City

01530 VANTAA/FINLAND

Telephone / Telefax

+358 (9) 7743 870

Emergency information

Schweizerisches Toxikologisches Informationszentrum ++41 (0)44 251 51 51

02. Composition/information on ingredients

Hazardous components

TETRAPOTASSIUM PYROPHOSPHATE ; EC-No. : 230-785-7 ; CAS-No. : 7320-34-5

Percentage : 0,075 – 0,15 %

Classification : Xi ; R 36

SILICIC ACID, POTASSIUM SALT ; EC-No. : 215-199-1 ; CAS-No. : 1312-76-1

Percentage : 0,025 – 0,075 %

Classification : C ; R 34

SODIUM HYPOCHLORITE SOLUTION % CL ACTIVE ; EC-No. : 231-668-3 ; CAS-No. : 7681-52-9

Percentage : 0,005-0,025 %

Classification : R 31 C ; R 34

Regulation (EC) No. 648/2004: Labelling for contents

phosphates 0,025 - < 0,075 %

chlorine-based bleaching agents < 0,025 %

distilled water 99,5 %

03. Hazards identification

Hazard designation

Irritating to eyes and skin

Classification : Xi ; R 36/38

04. First-aid measures

After inhalation

Let in fresh air.

After skin contact

Flush away with water and rinse.

After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Drink plenty of water. Call a physician.

05. Fire-fighting measures

Suitable extinguishing media

Carbon dioxide. Extinguishing powder. Water spray jet.

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Unsuitable extinguishing media

None known.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

In case of fire toxic gases may be formed.

06. Accidental release measures

Personal precautions

Take the precautions customary when handling chemicals.

Environmental precautions

07. Handling and storage

Information for safe handling

Avoid contact with skin and eyes.

Information about protection against explosions and fires

No anti-explosion measures necessary.

Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

Storage class (VCI) : 8

08. Exposure controls and personal protection

Personal protective equipment

General protective and hygiene measures

Keep away from food, drink and animal feeding stuff

Hand protection

In full contact: Glove material: nitrile rubber Layer thickness: 0.11 mm Breakthrough time: > 480 Min. In splash contact:

Glove material: nitrile rubber Layer thickness: 0.11 mm Breakthrough time: > 480 Min. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

Eye protection

Use tightly fitting safety glasses.

Body protection

Light protective clothing.

09. Physical and chemical properties

Image

Form : Liquid.

Colour : Clear. Light yellowish.

Odour : Poor, characteristic.

Relevant safety data

Boiling point / range : (1013 hPa) 100 °C

Flash point : not applicable °C

Vapour pressure : (50 °C) no data available hPa

Density : (20 °C) 1.01 g/cm³

Solvent-separation test : (20 °C) no data available %

Solubility in water : (20 °C) no data available %

pH value : (20 °C / 10 g/l) ca. 11.5

Flow time : (20 °C) no data available s DIN-cup 4 mm

Viscosity : (20 °C) no data available mPa.s

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10. Stability and reactivity

Conditions to avoid

Thermal decomposition above 230 °C.

Materials to avoid

Reactions with acids: development of heat.

Hazardous decomposition products

Chlorine.

11. Toxicological information

Toxicological tests

LD50/LC50 values that are relevant for classification

Specification : LD-50

Routes of entry : oral

Test species : Rat

Value / dosage : > 3160 mg/kg

12. Ecological information

Details on elimination (persistence / degradability)

Regulation on Detergents (EC) No 648/2004

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation

(EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request.

13. Disposal considerations

Product

Recommendation

In accordance with local official regulations.

Waste key

14. Transport information

Land transport ADR/RID

Classification

Class : -

Substance number : -

Maritime transport IMDG/GGVSea

Classification

CN customs code: 3402909090

IMDG-Code : -

UN number : -

Air transport ICAO-TI and IATA-DGR

Classification

Class : -

UN number : -

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15. Regulatory information

Classification according to EEC directives

Danger symbol and danger designation



Xi ; Irritant

R-phrases

36/38 Irritating to eyes and skin

S-phrases

37 Wear suitable gloves

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

24/25 Avoid contact with skin and eyes

35 This material and its container must be disposed of in a safe way

National regulatory information

Regulation on inflammable liquids (VbF, Germany)

VbF-Class : Not dangerous according to VbF

Water pollution classification (Germany)

16. Other information

The user is responsible for the observance of all required statutory provisions.

Further information

R-Phrases of components

31 Contact with acids liberates toxic gas

34 Causes burns

36 Irritating to eyes

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.