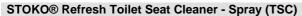


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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

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1.1. Product identifier

STOKO® Refresh Toilet Seat Cleaner - Spray (TSC)

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

Recommended use(s): Cleansing agent

1.3. Details of the supplier of the safety data sheet

Evonik Stockhausen GmbH 47805 Krefeld Germany +49-2151-38-1370 Email address of qualified person: usgq-krefeld@evonik.com

Information provided by: +49-2151-38-1370 Emergency Number: +49-2151-38-1647

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Flammable. barjans.si

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2.2. Label elements

Directive 67/548/EC or Directive 1999/45/EC

R-phrase(s)	R10	Flammable.
S-phrase(s)	S02 S16 S46	Keep out of reach of children. Keep away from sources of ignition - No smoking. If swallowed, seek medical advice immediately and show this container or label.

2.3. Other hazards

Vapours may cause drowsiness and dizziness.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

3.2. Mixtures

Gel containing alcohols and water, perfumed.

Hazardous Ingredients

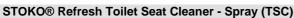








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Componen	t	CAS Number	Hazard symbol(s) / R-phrase(s)			Content
ethanol	:	64-17-5	. F		11	 30.0 - 40.0 %

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4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation Fresh air ventilation. Skin contact not applicable

Eye contact Rinse for a prolonged period with plenty of water; if necessary, consult a doctor.

Ingestion Consult a doctor.

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

Inhalation may cause the following:, headache, confusion

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

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

water jet, carbon dioxide, foam, dry extinguishing agents, Foam must be resistant to polar solvents.

5.2. Special hazards arising from the substance or mixture barjans.si

Vapours may form explosive mixture with air.

5.3. Advice for firefighters

as for flammable liquids

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Keep away sources of ignition. Ensure sufficient ventilation. Spilled product causes surfaces to become slippery.

6.2. Environmental precautions

Take up and dispose of.

6.3. Methods and material for containment and cleaning up

Take up with a nonflammable inert absorbent, e.g. general-purpose binder or diatomaceous earth.

6.4. Reference to other sections

For personal protection see section 8.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice Keep containers closed. Avoid contact with the eyes.

Advice on protection against fire and

explosion

Cool containers at risk. In filling operations ensure explosion proof handling. Keep away from sources of ignition. May form inflammable mixtures with air.









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7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and

containers

Keep container tightly closed. When handling large quantities, e.g. when filling or

refilling, ensure good ventilation of the room.

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7.3. Specific end use(s)

no

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Components or products of decomposition according to point 10, with limit values related to the place of work which require monitoring

ethanol 64-17-5

WEL (long-term) 2009 1,920 mg/m3 1,000 ppm

8.2. Exposure controls

Obey reasonable safety precautions and practise good housekeeping. Hygiene measures

Hand protection not required

not required on normal handling Eye protection

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form liquid Colour Clear. perfumed Odour

Melting point/range not determined

Boiling point/range >78 °C

Flash point 26 °C (ISO 2719) Ignition temperature not determined Lower explosion limit 3.5 %(V) (ethanol) 15.0 %(V) (ethanol) Upper explosion limit approx. 300 hPa (55 °C) Vapour pressure Density approx. 0.952 g/cm3 (20 °C)

Solubility in water (20 °C) beliebig 6 - 8 (20 °C) pН Viscosity (dynamic) not determined

9.2. Other information

none

10. STABILITY AND REACTIVITY

10.1. Reactivity

see section 10.2.

10.2. Chemical Stability

stable in the range of application

10.3. Possibility of hazardous reactions









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The formation of ignitable mixtures with air is possible during warming or spraying. Keep away from heat and sources of ignition.

10.4. Conditions to avoid

Keep away from sources of ignition.

10.5. Incompatible materials

oxidizing agents

10.6. Hazardous decomposition products

Heating can release vapours which can be ignited.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Observations on humans In tests on humans as well as in normal short-term use the product has proven to

be compatible to the skin.

General information Based on knowledge of the properties of the components, adverse effects on

human health are not to be expected in normal use.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Hazardous to the aquatic environment

no specific test data available ans.s



12.2. Persistence and degradability

Biodegradability Prevent concentrated product from penetrating into waters

without biological waste water treatment.

The product is readily biodegradable (data of the components). 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

or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Bioaccumulation no evidence for hazardous properties

12.4. Mobility in soil

Mobility no evidence for hazardous properties

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment PBT: no

vPvB: noData are expected values based on the composition.

12.6. Other adverse effects

General Information None known.















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13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product Dispose of whilst observing local legal regulations, e.g. in a suitable incineration

plant.

Uncleaned packaging undamaged packaging may be responsibly reused after proper cleaning.

14. TRANSPORT INFORMATION

14.1. UN number

see section 14.2.

14.2. UN proper shipping name

Land transport ADR/GGVSEB

UN 1170 ETHANOL (contains Ethanol, mixture), 3, III, (D/E)

Hazard no. 30

Land transport RID/GGVSEB

UN 1170 ETHANOL (contains Ethanol, mixture), 3, III

Hazard no. 30

Inland waterway transport ADN/GGVSEB (Germany)





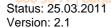


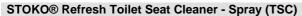














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UN 1170 ETHANOL (contains Ethanol, mixture), 3, III

Shipment by sea IMDG/GGVSee

UN number 1170 Class 3 F-E, S-D **EmS** Marine pollutant Nο Packaging group

ETHANOL (contains Ethanol, mixture) Proper Shipping Name

Hazardous constituent Ethanol, mixture

Air transport ICAO/IATA

UN number 1170 Class 3 Ш Packaging group

Proper Shipping Name ETHANOL (contains Ethanol, mixture)

14.3. Transport hazard class(es)

see section 14.2.

14.4. Packing group

see section 14.2.

14.5. Environmental hazards

if not mentioned in Point 14.2 then it does not apply

14.6. Special precautions for user

see section 14.2.



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

for transportapproval see regulatory information

15. REGULATORY INFORMATION

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

National legislation

WGK - Water Hazard Class

(Germany) /

Wassergefährdungsklasse

(Deutschland)

Status of Registration

1 (1 slightly hazardous to water - self classification.)

REACH (EU) listed or exempted TSCA (USA) listed or exempted DSL (CDN) listed or exempted AICS (AUS) listed or exempted METI (J) listed or exempted ECL (KOR) listed or exempted PICCS (RP) listed or exempted IECSC (CN) listed or exempted

16. OTHER INFORMATION

R-phrases of relevance from chapter

Highly flammable.









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References relevant manuals and publications

own examinations

own toxicological and ecotoxicological studies

toxicological and ecotoxicological studies of other manufacturers

SIAR OECD-SIDS RTK public files

Places marked by have been amended from the last version.

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