

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

### 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

### 2.2. Label elements

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

R-phrased(s)	R10	Flammable.
S-phrased(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

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### 3.2. Mixtures

Gel containing alcohols and water, perfumed.

#### Hazardous Ingredients

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

#### 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

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.

## 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.

## 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/m<sup>3</sup>

1,000 ppm

### 8.2. Exposure controls

Hygiene measures

Obey reasonable safety precautions and practise good housekeeping.

Hand protection

not required

Eye protection

not required on normal handling

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Form

liquid

Colour

Clear.

Odour

perfumed

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)

Upper explosion limit

15.0 %(V) (ethanol)

Vapour pressure

approx. 300 hPa (55 °C)

Density

approx. 0.952 g/cm<sup>3</sup> (20 °C)

Solubility in water

(20 °C) beliebig

pH

6 - 8 (20 °C)

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

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

#### 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.

## 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)

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

**Shipment by sea IMDG/GGVSee**

UN number	1170
Class	3
EmS	F-E, S-D
Marine pollutant	No
Packaging group	III
Proper Shipping Name	ETHANOL (contains Ethanol, mixture)
Hazardous constituent	Ethanol, mixture

**Air transport ICAO/IATA**

UN number	1170
Class	3
Packaging group	III
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.

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

Status of Registration

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 3 11 Highly flammable.

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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