

SAFETY DATA SHEET**STOKO® Refresh Toilet Seat Cleaner (TSC)**

According to Regulation (EC) No 1907/2006, Annex II, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name** STOKO® Refresh Toilet Seat Cleaner (TSC)**Product number** M930/1, 35010, 35009, 99065745, 99065743**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Cleaning agent. For full details regarding recommended uses please refer to the product label.**1.3. Details of the supplier of the safety data sheet****Supplier** SC Johnson Professional Ltd
Denby Hall Way
Denby
Derbyshire
DE5 8JZ
+44 (0) 1773 855100
info.prouk@scj.com**1.4. Emergency telephone number****Emergency telephone** National Poisons Information Service (UK) 0344 8920111 (Health Professionals only)
National Poisons Information Centre (Eire) 01-8092566/8379964**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)****Physical hazards** Flam. Liq. 3 - H226**Health hazards** Not Classified**Environmental hazards** Not Classified**2.2. Label elements****Hazard pictograms****Signal word** Warning**Hazard statements** H226 Flammable liquid and vapour.

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Precautionary statements	<p>P102 Keep out of reach of children.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Detergent labelling	< 5% non-ionic surfactants, < 5% perfumes
Supplementary precautionary statements	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P233 Keep container tightly closed.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</p>

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHANOL			30-60%
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-XXXX	
Classification			
Flam. Liq. 2 - H225			
Eye Irrit. 2 - H319			

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	DO NOT induce vomiting. Get medical attention immediately.
Skin contact	Not relevant.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

Inhalation	No specific symptoms known.
Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin contact	None known.
Eye contact	May irritate eyes.

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

Notes for the doctor No specific recommendations.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Specific hazards Highly flammable liquid and vapour. May form explosive mixture with air at very high concentration.

Hazardous combustion products Oxides of carbon.

5.3. Advice for firefighters

Protective actions during firefighting Fight fire from safe distance or protected location.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

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WEL = Workplace Exposure Limit

Ingredient comments None.

ETHANOL (CAS: 64-17-5)

DNEL	Professional - Inhalation; local effects: 1900 mg/m ³ Professional - Dermal; Long term systemic effects: 343 mg/kg/day Professional - Inhalation; Long term systemic effects: 950 mg/m ³ Consumer - Inhalation; local effects: 950 mg/m ³ Consumer - Dermal; Long term systemic effects: 206 mg/kg/day Consumer - Inhalation; Long term systemic effects: 114 mg/m ³ Consumer - Oral; Long term systemic effects: 87 mg/kg/day
PNEC	- marine water; 0.79 mg/l - Fresh water; 0.96 mg/l - Intermittent release; 2.75 mg/l - STP; 580 mg/l - Sediment (Freshwater); 3.46 mg/kg - Sediment (Marinewater); 2.9 mg/l - Soil; 0.63 mg/kg

ISOTRIDECANOL ETHOXYLATED (9-EO) (CAS: 69011-36-5)

DNEL	Workers - Inhalation; Long term systemic effects: 294 mg/m ³ Workers - Dermal; Long term systemic effects: 2080 mg/kg General population - Inhalation; Long term systemic effects: 87 mg/m ³ General population - Dermal; Long term systemic effects: 1250 mg/kg/day General population - Oral; Long term systemic effects: 25 mg/kg/day
PNEC	- Fresh water; 0.074 mg/l - marine water; 0.0074 mg/l - Intermittent release; 0.015 mg/l - STP; 1.4 mg/l - Sediment (Freshwater); 0.604 mg/kg - Sediment (Marinewater); 0.0604 mg/kg - Soil; 0.1 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Not relevant.

Eye/face protection

Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Not relevant.

Other skin and body protection

Not relevant.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Promptly remove any clothing that becomes contaminated.

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Respiratory protection Not relevant.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless.
Odour	Perfume.
Odour threshold	Not determined.
pH	pH (concentrated solution): 6 - 8 (20 °C)
Melting point	Not determined.
Initial boiling point and range	>78°C @ 760 mm Hg
Flash point	26°C (ISO 2719)
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 3.5 % (V) Ethanol Upper flammable/explosive limit: 15 % (V) Ethanol
Vapour pressure	300 hPa (55 °C) (ethanol)
Vapour density	Not determined.
Relative density	~ 0.952 @ 20°C
Solubility(ies)	Completely soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not determined.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not known.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

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10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vivo Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

General information

No specific health hazards known.

Inhalation

No specific health hazards known.

Ingestion

May cause nausea, headache, dizziness and intoxication.

Skin contact

Skin irritation should not occur when used as recommended.

Eye contact

Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

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Toxicological information on ingredients.

ETHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 10,470.0

Species Rat

ATE oral (mg/kg) 10,470.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 20,000.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 117.0

Species Rat

ATE inhalation (vapours mg/l) 117.0

Skin corrosion/irritation

Animal data Oedema score: Very slight oedema - barely perceptible (1).

SECTION 12: Ecological information

Ecotoxicity The product is not expected to be hazardous to the environment.

12.1. Toxicity

Toxicity The product is not expected to be toxic to aquatic organisms.

Ecological information on ingredients.

ETHANOL

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 15300 mg/l, Pimephales promelas (Fat-head Minnow)
LC₅₀, 96 hours: mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: mg/l, Daphnia magna
EC₅₀, : 858 24H mg/l, Marinewater invertebrates
EC₅₀, > 48 hours: 10000 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 275 mg/l, Freshwater algae
IC₅₀, 72 hours: 5000 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

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12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods Dispose of waste product or used containers in accordance with local regulations. Dispose of waste via a licensed waste disposal contractor. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Reuse or recycle products wherever possible.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1170
UN No. (IMDG)	1170
UN No. (ICAO)	1170
UN No. (ADN)	1170

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper shipping name (IMDG) ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper shipping name (ICAO) ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper shipping name (ADN) ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels



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14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-E, S-D
ADR transport category	3
Emergency Action Code	•2Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

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

SECTION 15: Regulatory information

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

EU legislation	<p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).</p> <p>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).</p> <p>Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.</p> <p>Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).</p>
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15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Key literature references and sources for data	Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.
Revision comments	New SDS Software NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	26/06/2019
Revision	9
Supersedes date	31/07/2017

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SDS number	20675
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H319 Causes serious eye irritation.
Notes for Hazard Statements in Full	The full text for Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and not necessarily the finished product classification.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.