

Toilet Seat Cleaner - Spray

Revision 3
Revision date 31-May-2007

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name	Toilet Seat Cleaner - Spray
Description	Mixture of water, mild surfactants and alcohol.
Intended use	Non pressurised refill for cleaning seats and handle.
Company	Technical Concepts International Ltd The Neutralle Centre Culley Court Orton Southgate Peterborough PE2 6WA United Kingdom www.technicalconcepts.co.uk
Telephone	+44 (0)870 568 6824
Fax	+44 (0)870 225 8390
Informing Department	Technical Services Department.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Description Mixture of water, mild surfactants and alcohol.

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Methanol	1-10%	67-56-1	200-659-6	F; R11 T; R23/24/25-39/23/24/25
Ethanol	30-40%	64-17-5	200-578-6	F; R11

Additional Information: Full text for all Risk Phrases mentioned in this section are displayed in Section 16.

3. HAZARDS IDENTIFICATION

Main hazards	Flammable
Classification system	The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4. FIRST AID MEASURES

Skin contact	Remove contaminated clothing. Wash all contaminated clothing before reuse. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
Eye contact	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Ingestion	Rinse mouth thoroughly. If ingested, induce vomiting, but only under medical supervision.

5. FIRE FIGHTING MEASURES

Extinguishing media	Alcohol resistant foam. Carbon dioxide (CO ₂) Extinguishing media. Do NOT use water jet.
Fire hazards	carbon oxides may be formed in fire conditions.
Protective equipment	Wear: Protective equipment. Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Evacuate personnel to a safe area. Wear suitable protective equipment.
Environmental precautions	Do not flush into surface water.
Clean up methods	Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. HANDLING AND STORAGE

Handling	Ensure adequate ventilation of the working area.
Storage	Keep away from sources of ignition - No smoking. Keep away from direct sunlight. Store at temperatures below 50 °C. Do not open by force or throw into fire, even after use. Do not spray on naked flame or any other incandescent material. Store in a cool, dry area. Observe official regulations on storing flammable packagings. Do not store with strong acids. Do not store with strong oxidising agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Methanol	WEL 8-hr limit ppm: 200 WEL 15 min limit ppm: 250	WEL 8-hr limit mg/m ³ : 266 WEL 15 min limit mg/m ³ : 333
Ethanol	WEL 8-hr limit ppm: 1000 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 1920 WEL 15 min limit mg/m ³ : -

Engineering measures	Ensure adequate ventilation of the working area.
Occupational exposure controls	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Wash hands during breaks and at the end of the work.
Respiratory protection	Not required, but ensure adequate ventilation when using the product.
Hand protection	Not required when used as directed. Wash hands after handling the product.
Eye protection	Not required when used as directed.
Protective equipment	Not required when used as directed. Adopt best Manual Handling considerations when handling, carrying and dispensing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	Clear.
Odour	Alcoholic.
pH	6.0 - 8.0
Boiling point	>78°C
Flash point	24°C
Relative density	0.941 - 0.951
Water solubility	soluble in water.
Viscosity	11 sec
Autoignition temperature	>370°C

10. STABILITY AND REACTIVITY

Stability	Will not decompose if stored and used as recommended.
Conditions to avoid	Keep away from sources of ignition - No smoking. Protect from heat and direct sunlight.
Materials to avoid	Strong acids. Strong oxidising agents.
Hazardous decomposition products	carbon oxides may be formed in fire conditions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	No data is available on this product.
Sensitization	May cause sensitisation by inhalation and skin contact.
Repeated or prolonged exposure	Prolonged or repeated exposure may cause irritation to skin and mucous membranes.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data is available on this product.
Degradability	More than 90% biodegradable.
Bioaccumulation	Does not bioaccumulate.
Further information	Product is based on biodegradable materials, and examination of the formula suggests a low ecological impact if handled correctly. Do not allow undiluted product to reach ground water or water courses. 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. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
Disposal methods	Dispose of in compliance with all local and national regulations.
Disposal of packaging	Containers can be recycled if in compliance with local and national regulations.

14. TRANSPORT INFORMATION

ADR/RID

UN	1170	Packing group	III
Class	3	Hazard ID	30
Proper Shipping Name	ETHANOL SOLUTION .		

Remarks

UN 1170 should be placed inside the diamond shaped label.
Goods are classed as "Limited Quantities" and are therefore exempt from ADR regulations. Check local local legislation for domestic transport.

IMDG

UN	1170	Packing group	III
Class	3	Marine pollutant	NO
EmS Code	F-E S-D		

Remarks

"Dangerous goods of limited quantities of Class 3" is required according to IMDG regulations.

IATA

UN	1170	Packing group	III
Class	3	Subsidiary risk	-
Packing Instruction (Cargo)	310	Maximum quantity	220 L
Packing Instruction (Passenger)	309	Maximum quantity	60 L

15. REGULATORY INFORMATION

Labelling

The product is classified in accordance with 67/548/EEC.
For professional use only.

Risk phrases

R10 - Flammable.

Safety phrases

S2 - Keep out of the reach of children.

16. OTHER INFORMATION

Text of risk phrases in Section 2

R11 - Highly flammable.
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Informing Department

Technical Services Department.
Mr. K. Anderson.

Data sources

Raw Material Data Sheets.
EH40/2005 Occupational Exposure limits (UK)

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.