
1. Product and Company Identification

Product name Toilet Seat Cleaner - 03480 (Refill)
CAS # Mixture
Product use Cleaner
Manufacturer information NWL Netherlands Services BV
Newell Rubbermaid
Amperestraat 12
2181HB Hillegom, Netherlands
Phone + 31 (0) 252 623 294
Supplier Kruger Products L.P.
200-1900 Minnesota Court
Mississauga, Ontario L5N 5R5 Canada
Emergency Phone: 1-800-328-0026
Fax: 905-812-6910
Phone: 905-812-6900

2. Hazards Identification

Emergency overview DANGER
Flammable liquid - may release vapors that form flammable mixtures at or above the flash point.
EYE IRRITANT. Skin irritation possible with prolonged exposure.

Potential short term health effects

Routes of exposure Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Eyes Causes irritation, redness and tearing.

Skin May cause irritation.

Inhalation Harmful if inhaled. Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion Harmful or fatal if swallowed. May cause stomach distress, nausea or vomiting.

Target organs Blood. Eyes. Liver. Respiratory system. Skin.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms are prostration, gasping, pallor, and uncoordinated movements. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

OSHA regulatory status This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects See section 12.

3. Composition/Information on Ingredients

Components	CAS #	Percent
ETHANOL	64-17-5	30 - 60

4. First Aid Measures

First aid procedures

Eye contact If in contact with eyes, immediately flush with water. Obtain medical attention if irritation persists.

Skin contact Immediately flush with water. Wash with soap and water. Obtain medical attention if irritation persists. Obtain medical attention if irritation persists.

Inhalation If inhaled, move person to fresh air. If symptoms persist, obtain medical attention.

Ingestion If ingested, do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention immediately.

Notes to physician Symptoms may be delayed.

General advice Keep away from sources of ignition. No smoking. Avoid contact with eyes and skin. Wear suitable protective clothing. Keep out of reach of children. Immediate medical attention is required. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties Flammable by WHMIS/OSHA criteria.
Vapors may travel to a source of ignition and flash back.
Containers may explode when heated.

Extinguishing media

Suitable extinguishing media Carbon dioxide. Water spray. Dry chemical. Foam. Water Fog.

Unsuitable extinguishing media Not available

Protection of firefighters

Specific hazards arising from the chemical Not available

Protective equipment and precautions for firefighters Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products May include and are not limited to: Oxides of carbon.

Explosion data

Sensitivity to mechanical impact Not available.

Sensitivity to static discharge Not available.

6. Accidental Release Measures

Personal precautions Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Environmental precautions Do not discharge into lakes, streams, ponds or public waters.

Methods for containment Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

7. Handling and Storage

Handling For external use only.
When using, do not eat, drink or smoke.
Keep away from heat, sparks and open flame.
DO NOT get in eyes.
Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing. Do not ingest. Wash hands before breaks and immediately after handling the product.

Storage Keep out of reach of children.
Do not store at temperatures above 120°F (49°C).
Store in a closed container away from incompatible materials.
Keep away from heat, open flames or other sources of ignition.

8. Exposure Controls/Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values Components

Components	Type	Value
Ethanol (CAS 64-17-5)	STEL	1000 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethanol (CAS 64-17-5)	PEL	1900 mg/m ³ 1000 ppm
Exposure limits	Not applicable	
Engineering controls	Provide adequate ventilation.	
Personal protective equipment		
Eye / face protection	Avoid contact with eyes. Wear safety glasses with side shields.	
Hand protection	Avoid contact with the skin. Rubber gloves. Confirm with a reputable supplier first.	
Skin and body protection	As required by employer code.	
Respiratory protection	Not normally required if good ventilation is maintained and exposure guidelines are not exceeded. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.	

9. Physical and Chemical Properties

Appearance	Clear
Color	Colorless
Form	aqueous solution
Odor	Alcohol
Odor threshold	Not available.
Physical state	Liquid.
pH	6 - 8
Freezing point	Not available.
Boiling point	> 172.4 °F (> 78 °C)
Pour point	Not available.
Evaporation rate	Not available
Flash point	75.20 °F (24.00 °C) Tag Closed Cup
Auto-ignition temperature	> 698 °F (> 370 °C)
Flammability limits in air, upper, % by volume	< 19 (ethanol)
Flammability limits in air, lower, % by volume	> 3.3 (ethanol)
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	0.941 - 0.951
Solubility (water)	Complete
Relative density	Not available.
Viscosity	Not available.
VOC	Not available
Percent volatile	Not available

10. Stability and Reactivity

Reactivity	This product may react with strong acids.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures. Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizers. Caustics.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
ETHANOL (CAS 64-17-5)		
Acute		
<i>Inhalation</i>		
LC50	Mouse	39 mg/l, 4 Hours
	Rat	31623 ppm, 4 Hours
<i>Oral</i>		
LD50	Dog	5.5 g/kg
	Guinea pig	5.6 g/kg
	Mouse	3450 mg/kg
	Rat	7060 mg/kg
		6.2 g/kg

Effects of acute exposure

Eye contact	Causes irritation, redness and tearing.
Skin contact	May cause irritation.
Inhalation	Harmful if inhaled. Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
Ingestion	Harmful or fatal if swallowed. May cause stomach distress, nausea or vomiting.
Sensitization	The finished product is not expected to have chronic health effects.
Chronic effects	The finished product is not expected to have chronic health effects.
Carcinogenicity	See below.

ACGIH Carcinogens

ETHANOL (CAS 64-17-5)	A3 Confirmed animal carcinogen with unknown relevance to humans.
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IARC Monographs. Overall Evaluation of Carcinogenicity

ETHANOL (CAS 64-17-5)	Volume 44, Volume 96, Volume 100E 1 Carcinogenic to humans. Volume 96, Volume 100E 1 Carcinogenic to humans.
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US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

ETHANOL (CAS 64-17-5)	Carcinogenic.
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US NTP Report on Carcinogens: Known carcinogen

ETHANOL (CAS 64-17-5)	Known To Be Human Carcinogen.
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Mutagenicity The finished product is not expected to have chronic health effects.

Reproductive effects The finished product is not expected to have chronic health effects.

Teratogenicity The finished product is not expected to have chronic health effects.

Name of Toxicologically Synergistic Products Not available.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

Ecotoxicological data

Components	Species	Test Results
ETHANOL (CAS 64-17-5)		
Aquatic		
Crustacea	EC50	Daphnia
		Water flea (Daphnia magna)
		11744.5 mg/L, 48 Hours
		7.7 - 11.2 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)
		> 100 mg/l, 96 hours

Persistence and degradability Not available.

Bioaccumulation / Accumulation	Not available	
Mobility in environmental media	Not available.	
Environmental effects	Not available.	
Aquatic toxicity	Not available.	
Partition coefficient		-0.31
ETHANOL		
Chemical fate information	Not available.	

13. Disposal Considerations

Disposal instructions	Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

U.S. Department of Transportation (DOT)

Basic shipping requirements:

UN number	UN1170
Proper shipping name	Ethanol, solution
Hazard class	3
Packing group	III
Special provisions	24, B1, IB3, T2, TP1
Packaging exceptions	150

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number	UN1170
Proper shipping name	ETHANOL more than 24 per cent ethanol, by volume
Hazard class	3
Packing group	III

DOT



TDG



15. Regulatory Information

Canadian federal regulations	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
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Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

ETHANOL (CAS 64-17-5) 1 tonnes

Canada WHMIS Ingredient Disclosure: Threshold limits

ETHANOL (CAS 64-17-5) 0.1 %

WHMIS status Controlled
WHMIS classification Class B - Division 2 - Flammable Liquid, Class D - Division 2B
WHMIS labeling



Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 Yes
hazardous chemical

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

ETHANOL (CAS 64-17-5) Listed.

US CAA Section 111 Volatile Organic Compounds: Listed substance

ETHANOL (CAS 64-17-5) Listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

State regulations See below

US - California Hazardous Substances (Director's): Listed substance

ETHANOL (CAS 64-17-5) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

ETHANOL (CAS 64-17-5) Listed.

US - Illinois Chemical Safety Act: Listed substance

ETHANOL (CAS 64-17-5) Listed.

US - Louisiana Spill Reporting: Listed substance

ETHANOL (CAS 64-17-5) Listed.

US - Minnesota Haz Subs: Listed substance

ETHANOL (CAS 64-17-5) Listed.

US - New Jersey RTK - Substances: Listed substance

ETHANOL (CAS 64-17-5) Listed.

US - Texas Effects Screening Levels: Listed substance

ETHANOL (CAS 64-17-5) Listed.

US. Massachusetts RTK - Substance List

ETHANOL (CAS 64-17-5) Listed.

US. Pennsylvania RTK - Hazardous Substances

ETHANOL (CAS 64-17-5) Listed.

US. Rhode Island RTK

Not regulated.

Inventory status

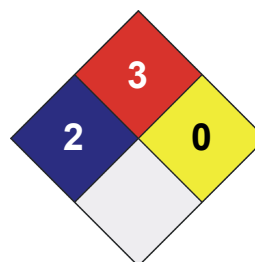
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X



Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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Prepared by

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Other information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.