

SAFETY DATA SHEET

1. Identification

Da Vinci® Toilet Seat Cleaner - 03480 **Product identifier**

Other means of identification Not available Recommended use Cleaner Recommended restrictions None known

Manufacturer information **NWL Netherlands Services BV**

> Newell Rubbermaid Amperestraat 12

2181HB Hillegom, Netherlands Phone + 31 (0) 252 623 294

Kruger Products L.P. Supplier

200-1900 Minnesota Court

Mississauga, Ontario L5N 5R5 Canada Emergency Phone: 1-800-328-0026

Fax: 905-812-6910 Phone: 905-812-6900

2. Hazard identification

Flammable liquids Category 3 Physical hazards Category 2A **Health hazards** Serious eye damage/eye irritation

> Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

Specific target organ toxicity, single exposure Category 3 narcotic effects

Not classified. **Environmental hazards** WHMIS 2015 defined hazards Not classified

Label elements



Signal word Warning

Hazard statement Flammable liquid and vapor. Causes serious eye irritation. May cause respiratory irritation. May

cause drowsiness or dizziness.

Precautionary statement

Prevention Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves, protective clothing, eye protection and face protection. Wash thoroughly after handling. Avoid breathing mist or vapor. Use only outdoors or in

a well-ventilated area.

In case of fire: Use appropriate media to extinguish. IF ON SKIN (or hair): Take off immediately all Response

contaminated clothing. Rinse skin with water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON

CENTER or doctor if you feel unwell.

Storage Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed. Dispose of container in accordance with local, regional, national and international regulations. Disposal

WHMIS 2015: Health Hazard(s)

not otherwise classified

(HHNOC)

WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)

Hazard(s) not otherwise

classified (HNOC)

None known

None known

None known.

Supplemental information None.

#20530 Page: 1 of 9 Issue date 12-December-2019

3. Composition/Information on ingredients

Mixture

Chemical name	Common name and synonyms	CAS number	%
Ethanol		64-17-5	30-60*

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments

*CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

4. First-aid measures

Inhalation IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON

CENTER or doctor if you feel unwell.

Skin contact IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

Eye contactIF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Ingestion Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to

reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing.

Obtain medical attention.

Most important symptoms/effects, acute and delayed

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Coughing.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

General information

If you feel unwell, seek medical advice (show the label where possible). Wear suitable protective clothing. 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. Wash contaminated clothing before reuse. Keep away from sources of ignition. No smoking. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing media

Carbon dioxide. Dry chemical. Water Fog.

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. Firefighters should wear a self-contained breathing apparatus.

Special protective equipment and precautions for firefighters

Firefighters should wear full protective clothing including self-contained breathing apparatus.

Fire-fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods
General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials.

Flammable liquid and vapor.

Hazardous combustion products

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

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

#20530 Page: 2 of 9 Issue date 12-December-2019

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

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

7. Handling and storage

Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. All equipment used when handling the product must be grounded. Take precautionary measures against static discharges. Use non-sparking tools and explosion-proof equipment. Do not ingest. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. When using, do not eat, drink or smoke. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. Wash hands before breaks and immediately after handling the product.

Conditions for safe storage, including any incompatibilities

Store locked up. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in a closed container away from incompatible materials. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Keep out of reach of children. Do not store at temperatures above 120°F (49°C). Keep away from heat, open flames or other sources of ignition.

Value

8. Exposure controls/Personal protection

Occupational exposure limits

Components

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Туре	Value
Ethanol (CAS 64-17-5)	TWA	1880 mg/m3
		1000 nnm

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

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

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Туре	Value
Ethanol (CAS 64-17-5)	STEL	mag 0001

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

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

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components	Type	Value
Ethanol (CAS 64-17-5)	TWA	1880 mg/m3
		1000 ppm

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

Components	туре	value
Ethanol (CAS 64-17-5)	15 minute	1250 ppm
	8 hour	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/m3	
		1000 ppm	

US. ACGIH Threshold Limit Values

Components	Туре	Value	
Ethanol (CAS 64-17-5)	STEL	1000 ppm	
US. NIOSH: Pocket Guide to Che	emical Hazards		
Components	Туре	Value	
Ethanol (CAS 64-17-5)	TWA	1900 mg/m3	
		1000 ppm	

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Avoid contact with the skin. Impervious gloves. Confirm with reputable supplier first.

Other Wear appropriate chemical resistant clothing. 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. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134),

CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

Thermal hazards Not applicable.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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
Physical state Liquid.
Form Liquid.
Color Colorless
Odor Alcohol
Odor threshold Not available.
PH Not available.
Melting point/freezing point Not available.

Initial boiling point and boiling

range

> 172.4 °F (> 78 °C)

Pour point Not available.

Specific gravity Not available.

Flash point 78.8 °F (26.0 °C) Tag Closed Cup

Evaporation rateNot available.Flammability (solid, gas)Not applicable.Upper/lower flammability or explosive limits

Flammability limit - lower

> 3.3 (ethanol)

(%)

Flammability limit - upper

< 19 (ethanol)

(%)

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure

Vapor density

Relative density

Solubility(ies)

Auto-ignition temperature

Not available.

Not available.

Complete

Not available.

#20530 Page: 4 of 9 Issue date 12-December-2019

Decomposition temperature

Not available. Not available. **Viscosity**

Other information

Explosive properties Not explosive. Not oxidizing **Oxidizing properties**

10. Stability and reactivity

Reactivity

This product may react with strong acids. This product may react with strong oxidizing agents.

Possibility of hazardous

reactions

Hazardous polymerization does not occur.

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the

flash point. Do not mix with other chemicals.

Incompatible materials

Hazardous decomposition

products

Acids. Caustics. Strong oxidizing agents. May include and are not limited to: Oxides of carbon.

11. Toxicological information

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

Information on likely routes of exposure

Ingestion May cause stomach distress, nausea or vomiting.

Inhalation May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause irritation to the

respiratory system. Prolonged inhalation may be harmful.

Skin contact No adverse effects due to skin contact are expected.

Eye contact Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause

respiratory irritation. Coughing.

Information on toxicological effects

Acute toxicity Narcotic effects. May cause respiratory irritation.

Acute toxicity	reaction checks. May eause respiratory inte	Idioi i.
Components	Species	Test Results
Ethanol (CAS 64-17-5)		
Acute		
Dermal		
LD50	Rabbit	> 15800 mg/kg, SIDS initial assessment report
Inhalation		
LC50	Cat	85.4 mg/L, 4.5 Hours, ECHA
		43.7 mg/L, 6 Hours, ECHA
	Mouse	> 60000 ppm, 60 Minutes, ECHA
		79.4 mg/L, 134 Minutes, ECHA
	Rat	> 115.9 mg/L, 4 Hours, ECHA
		31623 ppm, 4 Hours, HMIRA
		20000 ppm, 10 Hours, HSDB
		51.3 mg/L, 6 Hours, ECHA
Oral		
LD50	Dog	5.5 g/kg, HSDB
	Guinea pig	5600 mg/kg, HSDB
	Monkey	6000 mg/kg, ECHA
	Mouse	10500 ml/kg, ECHA
		3450 mg/kg, SAX
	Pig	> 5000 mg/kg, ECHA
	Rat	1187 - 2769 mg/kg, ECHA
		12400 mg/kg, ECHA

#20530 Page: 5 of 9 Issue date 12-December-2019

Test Results Components **Species**

> 10470 mg/kg, ECHA 7800 ml/kg, ECHA

Skin corrosion/irritation Not available **Exposure minutes** Not available. Erythema value Not available. Not available. Oedema value

Serious eve damage/eve

irritation

Causes serious eye irritation.

Corneal opacity value Not available. Not available. Iris lesion value Not available. Conjunctival reddening

value

Not available. Conjunctival oedema value Not available. Recover days

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

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

Carcinogenicity See below.

Ethanol is not considered to be a carcinogenic component for this product. The product is not an

alcoholic beverage for consumption.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

Ethanol (CAS 64-17-5)

Canada - Manitoba OELs: carcinogenicity

Ethanol (CAS 64-17-5) Confirmed animal carcinogen with unknown relevance to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Ethanol (CAS 64-17-5) Volume 44, Volume 96, Volume 100E

Volume 96, Volume 100E

Test Results

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Reproductive toxicity The finished product is not expected to have chronic health effects. **Teratogenicity** The finished product is not expected to have chronic health effects. Specific target organ toxicity -May cause respiratory irritation. May cause drowsiness and dizziness.

single exposure

Specific target organ toxicity -

repeated exposure

Not classified.

Not an aspiration hazard. **Aspiration hazard**

Chronic effects Prolonged inhalation may be harmful. The finished product is not expected to have chronic health

effects.

Ecological information

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

below

Ecotoxicological data

Components

Species Ethanol (CAS 64-17-5) Crustacea EC50 Daphnia 11744.5 mg/L, 48 Hours

Aquatic

EC50 Crustacea Water flea (Daphnia magna) 7.7 - 11.2 mg/L, 48 hours Fish LC50 Fathead minnow (Pimephales promelas) > 100 mg/L, 96 hours

Persistence and degradability

Bioaccumulative potential

No data is available on the degradability of this product.

Mobility in soil No data available. Not available. Mobility in general

#20530 Page: 6 of 9 Issue date 12-December-2019

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

Transport of Dangerous Goods (TDG) Proof of Classification

Classification Method: Classified as per Part 2, Sections 2.1-2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the

product will appear below.

General IMDG Regulated Marine Pollutant.

U.S. Department of Transportation (DOT)

Basic shipping requirements:

UN number UN1170

Proper shipping name Ethanol solutions

Hazard class 3
Packing group III

Special provisions 24, B1, IB3, T2, TP1

Packaging exceptions 4b,150

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number UN1170

Proper shipping name ETHANOL with more than 24% ethanol, by volume

Hazard class 3
Packing group III
Special provisions 150

DOT







15. Regulatory information

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

Ethanol (CAS 64-17-5) 1 TONNES

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions Not applicable

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)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely

hazardous substance

SARA 311/312 Hazardous Yes

chemical

Classified hazard Flammable (gases, aerosols, liquids, or solids)

categories Serious eye damage or eye irritation

Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

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

Not regulated

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

Not regulated.

US state regulations

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

Ethanol (CAS 64-17-5) Listed.

US - Illinois Chemical Safety Act: Listed substance

Ethanol (CAS 64-17-5)

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 - Texas Effects Screening Levels: Listed substance

Ethanol (CAS 64-17-5) Listed.

US. Massachusetts RTK - Substance List

Ethanol (CAS 64-17-5)

US. New Jersey Worker and Community Right-to-Know Act

Ethanol (CAS 64-17-5)

US. Pennsylvania Worker and Community Right-to-Know Law

Ethanol (CAS 64-17-5)

US. Rhode Island RTK

Ethanol (CAS 64-17-5)

US. California Proposition 65

Ethanol is not considered to be a Prop 65 component for this product. The product is not an alcoholic beverage for consumption.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

Ethanol (CAS 64-17-5) Listed: April 29, 2011

Listed: July 1, 1988

California Proposition 65 - CRT: Listed date/Developmental toxin

Ethanol (CAS 64-17-5) Listed: October 1, 1987

Inventory status

Country(s) or region Inventory name On inventory (yes/no)*

Canada Domestic Substances List (DSL) Yes

Canada Non-Domestic Substances List (NDSL) No

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

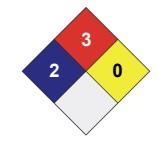
Toxic Substances Control Act (TSCA) Inventory

16. Other information

LEGEND	
Severe Serious Moderate Slight Minimal	4 3 2 1 0

United States & Puerto Rico





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. The information in the sheet was written based on the best knowledge and experience currently available.

Issue date 12-December-2019

Version # 01

Effective date 12-December-2019

Prepared by Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

Other information For an updated SDS, please contact the supplier/manufacturer listed on the first page of the

document.

Yes