

SAFETY DATA SHEET

UNV43661 DRY ERASE SPRAY CLEANER 8OZ SPRAY BOTTLE

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: Identification of the substance / mixture and of the company / undertaking

Date issued	12.01.2015
Revision date	17.05.2018

1.1. Product identifier

Product name	UNV43661 DRY ERASE SPRAY CLEANER 8OZ SPRAY BOTTLE
Article no.	L03000000094

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product group	Whiteboardcleaner
Relevant identified uses	SU21 Consumer uses: Private households (= general public = consumers)SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)PC35 Washing and cleaning products (including solvent based products)PROC10 Roller application or brushingERC11B Wide dispersive indoor use of long-life articles and materials with high or intended release (including abrasive processing)
Uses advised against	No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Producer

Company name	Kleinmann GmbH
Postal address	Am Trieb 13
Postcode	D-72820
City	Sonnenbuehl
Country	Germany
Telephone number	+49(0)7128/9292-15
Fax	+49(0)7128/9292-415
Email	chemie@kleinmann.net
Website	http://www.kleinmann.net

Enterprise No. DE 146 487

1.4. Emergency telephone number

Emergency telephone Description: 8-12, Mo.-Fr. +49(0)7128/9292-15

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Substance / mixture hazardous properties The product is not classified.
Not regarded as a health or environmental hazard under current legislation.

2.2. Label elements

Hazard statements EUH 210 Safety data sheet available on request.

2.3. Other hazards

Health effect The product contains organic solvents.
Environmental effects This product does not contain any PBT or vPvB substances.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Propan-2-ol	CAS No.: 67-63-0	Flam. Liq. 2; H225	1 – 5 %
	EC No.: 200-661-7	Eye Irrit. 2; H319	
	Index No.: 603-117-00-0	STOT SE 3; H336	
	REACH Reg. No.:		
	01-2119457558-25-XXXX		
2-Butoxyethanol	CAS No.: 111-76-2	Acute tox. 4; H332	1 – 5 %
	EC No.: 203-905-0	Acute tox. 4; H312	
	Index No.: 603-014-00-0	Acute tox. 4; H302	
	REACH Reg. No.:	Eye Irrit. 2; H319	
	01-2119475108-36-xxxx	Skin Irrit. 2; H315	
Substance comments	<1% Perfume		
	The full text for all hazard statements is displayed in section 16.		

SECTION 4: First aid measures

4.1. Description of first aid measures

General Remove affected person from source of contamination.
Inhalation Fresh air. Get medical attention if any discomfort continues.
Skin contact Rinse with water. Get medical attention if any discomfort continues.
Eye contact Rinse with water. Contact physician if discomfort continues.
Ingestion Rinse mouth with water. Get medical attention if any discomfort continues.

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

Acute symptoms and effects	No specific symptoms noted.
Delayed symptoms and effects	No known long term effects.

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

Other information	If unconscious: Call an ambulance/physician immediately. Show this Safety Data Sheet.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Follow the general fire precautions indicated by the workplace.
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5.3. Advice for firefighters

Personal protective equipment	Wear necessary protective equipment. For personal protection, see section 8.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Avoid contact with eyes and prolonged skin contact.
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6.2. Environmental precautions

Environmental precautionary measures	Avoid discharge into water courses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Recover the product and place in a suitable container for reuse. Flush contaminated area with plenty of water.
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6.4. Reference to other sections

Other instructions	See section 8 and section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	No specific usage precautions noted.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in closed original container in a dry place.
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Conditions for safe storage

Technical measures and storage conditions	Lagerklasse: 12
Storage temperature	Value: 0 – 35 °C
Storage stabilit	Durability: 24 months.

7.3. Specific end use(s)

Specific use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Value	TWA Year
Propan-2-ol	CAS No.: 67-63-0	TWA (8h) : 200 ppm TWA (8h) : 490 mg/m ³ TWA (8h) : 400 ppm OEL short term value Value: 1250 mg/m ³	TWA Year: 2011
2-Butoxyethanol	CAS No.: 111-76-2	TWA (8h) : 98 mg/m ³ ; H TWA (8h) : 20 ppm; H	TWA Year: 2011

DNEL / PNEC

Substance	Propan-2-ol
DNEL	<p>Group: Consumer Route of exposure: Long-term inhalation (systemic) Value: 89 mg/m³ Comments: ECHA</p> <p>Group: Professional Route of exposure: Long-term dermal (systemic) Value: 888 mg/kg bw/day Comments: ECHA</p> <p>Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 500 mg/m³ Comments: ECHA</p> <p>Group: Consumer Route of exposure: Long-term dermal (systemic) Value: 319 mg/kg bw/day Comments: ECHA</p> <p>Group: Consumer Route of exposure: Long-term oral (systemic) Value: 26 mg/kg bw/day Comments: ECHA</p>
PNEC	<p>Route of exposure: Sewage treatment plant STP Value: 2251 mg/l</p>

Substance DNEL	Route of exposure: Soil Value: 25 mg/kg
	Route of exposure: Freshwater Value: 140,9 mg/l
	Route of exposure: Saltwater sediments Value: 552 mg/kg
	Route of exposure: Freshwater sediments Value: 552 mg/kg
	Route of exposure: Saltwater Value: 140,9 mg/l
	Value: 140,9 Comments: Intermittent releases
	2-Butoxyethanol
	Group: Industrial Route of exposure: Long-term dermal (systemic) Value: 75 mg/kg/d
	Group: Consumer Route of exposure: Acute inhalation (systemic) Value: 426 mg/m ³
	Group: Consumer Route of exposure: Acute oral (systemic) Value: 13.4 mg/kg/d
PNEC	Group: Consumer Route of exposure: Long-term dermal (systemic) Value: 38 mg/kg/d
	Group: Consumer Route of exposure: Acute dermal (systemic) Value: 44.5 mg/kg/d
	Group: Industrial Route of exposure: Long-term inhalation (systemic) Value: 98 mg/m ³
	Group: Industrial Route of exposure: Acute inhalation (systemic) Value: 652 mg/m ³
	Group: Industrial Route of exposure: Acute dermal (systemic) Value: 89 mg/kg/d
	Group: Consumer Route of exposure: Long-term oral (systemic) Value: 3.2 mg/kg/d
	Route of exposure: Saltwater Value: 0.88 mg/l

Route of exposure: Sewage treatment plant STP
Value: 463 mg/l

Route of exposure: Freshwater
Value: 8.8 mg/l

Route of exposure: Soil
Value: 2.8 mg/kg

Route of exposure: Freshwater sediments
Value: 34.6 mg/kg

Route of exposure: Saltwater sediments
Value: 3.46 mg/kg

8.2. Exposure controls

Precautionary measures to prevent exposure

Technical measures to prevent exposure No special precautions.

Eye / face protection

Suitable eye protection Eye protection is not required under normal conditions.

Hand protection

Skin- / hand protection, long term contact Hand protection is not required for normal use.

Skin protection

Additional skin protection measures No special precautions.

Respiratory protection

Respiratory protection necessary at Under normal conditions of use respiration protection should not be required.

Thermal hazards

Thermal hazards No recommendation given.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fluid.
Colour	Colourless.
Odour	Perfume.
pH	Status: In delivery state Value: ~ 7,0

	Status: In aqueous solution Comments: Not relevant.
Melting point / melting range	Comments: Not relevant.
Boiling point / boiling range	Comments: Not relevant.
Flash point	Value: 49 °C Comments: Negative results are obtained in sustained combustibility test L.2., Part III, section 32 of the UN RTDG, Manual of Tests and Criteria, and classification as Flammable liquid and vapour in Category 3, is not needed.
Evaporation rate	Comments: Not relevant.
Flammability (solid, gas)	Not relevant.
Explosion limit	Comments: Not relevant.
Vapour pressure	Comments: Not relevant.
Specific gravity	Value: 0,98 – 0,99 g/ml
Solubility	Medium: Water Comments: Completely soluble in water.
Partition coefficient: n-octanol/water	Comments: Not relevant.
Spontaneous combustibility	Comments: Not relevant.
Decomposition temperature	Comments: Not relevant.
Viscosity	Value: < 50 mPa s
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

9.2. Other information

Other physical and chemical properties

Comments No data recorded.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions See section 10.4 and section 10.5.

10.4. Conditions to avoid

Conditions to avoid No recommendation given.

10.5. Incompatible materials

Materials to avoid None in particular.

10.6. Hazardous decomposition products

Hazardous decomposition products During fire, toxic gases (CO, CO₂) are formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Propan-2-ol
Acute toxicity	<p>Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 5840 mg/kg Animal test species: Rat Test reference: OECD Guideline 401 Comments: ECHA</p>

Type of toxicity: Acute
Effect tested: LC50
Route of exposure: Inhalation.
Duration: 6 hour(s)
Value: > 10000 ppm
Animal test species: Rat
Test reference: OECD Guideline 403
Comments: ECHA

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Duration: 24 hour(s)
Value: 16,4 ml/kg
Animal test species: Rabbit
Test reference: OECD Guideline 402
Comments: ECHA

Substance	2-Butoxyethanol
Acute toxicity	<p>Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 1300 mg/kg Animal test species: Rat</p>

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Value: 1100 mg/kg
Test reference: OECD Guideline 402

Type of toxicity: Acute
Effect tested: LC50
Route of exposure: Inhalation.
Value: 1,5 mg/l

Other toxicological data

Toxicological tests on the product has not been performed.

Other information regarding health hazards

Assessment of acute toxicity, classification

No evidence for acute toxicity.

Substance

Propan-2-ol

Eye damage or irritation, test results

Toxicity type: Eye irritation
Method: OECD 405
Species: Rabbit
Evaluation result: Result: Irritation to eye.

Inhalation

No specific symptoms noted.

Skin contact

Skin irritation is not anticipated when used normally.

Eye contact

May cause temporary eye irritation.

Ingestion

Not likely, due to the packaging.

Sensitisation

No evidence for respiratory nor skin sensitization.

Mutagenicity

No evidence for germ cell mutagenicity.

Carcinogenicity, other information

No evidence for carcinogenicity.

Reproductive toxicity

No evidence for reproductive toxicity.

Assessment of specific target organ SE, classification

No evidence for STOT-single exposure.

Assessment of specific target organ toxicity RE, classification

No evidence for STOT-repeated exposure.

Assessment of aspiration hazard, classification

No evidence for aspiration hazard.

Symptoms of exposure

Symptoms of overexposure

No specific symptoms noted.

SECTION 12: Ecological information

12.1. Toxicity

Substance

Propan-2-ol

Acute aquatic, fish

Value: 8970 – 9280 mg/l
Test duration: 48 hour(s)
Species: *Leuciscus idus melanotus*
Method: LC50

Substance

2-Butoxyethanol

Acute aquatic, fish	Value: 1474 mg/l Test duration: 96h Species: Oncorhynchus mykiss Method: OECD TG 203
Substance	Propan-2-ol
Acute aquatic, algae	Value: 1800 mg/l Test duration: 8 day(s) Species: Scenedesmus quadricauda Method: TGK
Substance	2-Butoxyethanol
Acute aquatic, algae	Value: 1840 mg/l Test duration: 72 hour(s) Species: Pseudokirchneriella subcapitata Method: OECD TG 201
Substance	Propan-2-ol
Acute aquatic, Daphnia	Value: 9715 mg/l Test duration: 24 hour(s) Species: Daphnia magna Method: LC50
Substance	2-Butoxyethanol
Acute aquatic, Daphnia	Toxicity type: Acute Value: 100 mg/l Exposure time: 21 day(s) Species: Daphnia magna Method: NOEC Value: 1550 mg/l Test duration: 4h Species: Daphnia magna Method: OECD TG 202
Aquatic, comments	No data available for the product.

12.2. Persistence and degradability

Substance	Propan-2-ol
Biodegradability	Value: 95 % Method: OECD 301E Test period: 21 day(s)
Substance	2-Butoxyethanol
Biodegradability	Value: 90 % Method: OECD 301B Test period: 28 day(s)
Persistence and degradability, comments	The product is easily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	The product is not bioaccumulating.
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12.4. Mobility in soil

Mobility

The product is water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

PBT assessment results

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal

Do not empty into drains; dispose of this material and its container in a safe way.
Dispose of waste and residues in accordance with local authority requirements.

EWC waste code

EWC waste code: 0706
Classified as hazardous waste: No

EWL packing

EWC waste code: 0706
Classified as hazardous waste: No

Other information

Waste code applies to product remnants in pure form. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

SECTION 14: Transport information

14.1. UN number

Comments

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.2. UN proper shipping name

Comments

Not relevant.

14.3. Transport hazard class(es)

Comments

Not relevant.

14.4. Packing group

Comments

Not relevant.

14.5. Environmental hazards

Comments

Not relevant.

14.6. Special precautions for user

Special safety precautions for user

No data recorded.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

ADN - Other information

Special provisions

Not relevant.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

Legislation and regulations

The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242).
EH40/2005, Workplace exposure limits 2005, with amendments.
The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).
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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents.

15.2. Chemical safety assessment

Chemical safety assessment performed

No

SECTION 16: Other informationList of relevant H-phrases
(Section 2 and 3)

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.

Training advice

No particular training or education is required but the user must be familiar with this SDS.

Information added, deleted
or revised

Change to Sections: 1, 3, 4, 8, 11, 12, 13, 16

Version

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Prepared by

MP