

Spray&Rinse

Safety Data Sheet

according to Safe Work Australia and according to HSNO Regulations – NZ EPA Date of issue: 28/07/2018
Revision date: 28/07/2018 Version: 1.0

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

1.1. Product identifier

Product form : Mixtures
Trade name : Spray&Rinse
Product code : DB1043A0 ; DB1044A0

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

1.2.1. Relevant identified uses

Main use category : Detergents
Industrial/Professional use spec Use of the substance/mixture : Professional
: Oven cleaners

1.2.2. Uses advised against No additional information available

1.3. Details of the supplier of the safety data sheet

UNOX Australia Pty. Ltd. 7/100
New Street, Ringwood, VIC. 3134
T +61 3 9876 0803

<http://www.unox.com/>

1.4. Emergency telephone number

Emergency number : +61 1800 686 951 (Australia)
+64 800 451 719 (New Zealand)
Access Code: 334577
: 131 126 (Australian Poisons Information Centre)

Poison Information : 0800 764 766 (New Zealand Poisons Information Centre)

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification according to Safe Work Australia : Work Health and Safety (WHS) Act and Regulation

Skin corrosion/irritation, Category 2
Serious eye damage/eye irritation, Category 1

Classification according to NZ- EPA HSNO regulations

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Not Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.
6.3A - Substances that are irritating to the skin
8.3A - Substances that are corrosive to ocular tissue

Hazard pictograms (CLP)



Signal word (CLP) : Danger

Hazard statement codes

H315 - Causes skin irritation
H318 - Causes serious eye damage

Precautionary statement codes – Prevention:

P264 - Wash hands, forearms and face thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Precautionary statement codes – Response:

P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor
P321 - Specific treatment (see first aid instruction on label)
P332 + P313 - If skin irritation occurs: Get medical advice/attention.

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P362 - Take off contaminated clothing and wash before reuse.

Precautionary statement codes – Storage
No Storage requirements

Precautionary statement codes – Disposal:
P501 - Dispose of contents/container to comply with applicable local, national and international regulation.

Adverse physicochemical, human health and environmental effects
No additional information available

Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Cas No.	%
2-Butoxyethanol-	111-76-	5 – 6.5
alcohols, C12-14, ethoxylated-	68439-50-9	1.5 - 2
sulfonic acids, C13-17-sec-alkane, sodium salts-	85711-69-9	1 – 1.5
sodium hydroxide, caustic soda-	1310-73-	1.5 - 2
Other Ingredients not classified according to Hazardous substance regulations make up the product to 100 %		

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Self-protection of the first aider.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention immediately.
First-aid measures after skin contact	: Immediately rinse with plenty of water (for at least 15 minutes). Remove contaminated clothing
First-aid measures after eye contact	: Immediately and dispose of safely. Wash contaminated clothing before reuse. Seek medical attention immediately.
First-aid measures after ingestion	: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Protect uninjured eye. : Immediately call a POISON CENTER (Ph: Australia 131 126; New Zealand 0800 764 766) or doctor/ physician. Never give anything by mouth to an unconscious person. Do not induce vomiting.

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

Symptoms/injuries after inhalation	: Corrosive to respiratory system. Causes burns.
injuries after skin contact	: Causes severe burns.
Symptoms/injuries after eye contact	: Causes serious eye damage. Corneal opacity. Iris lesions.
Symptoms/injuries after ingestion	: Severe irritation or burns to the mouth, throat, oesophagus, and stomach.

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

Keep under medical supervision for at least 48 hours. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water fog, carbon dioxide (CO₂), dry chemical powder, foam.
Unsuitable extinguishing media : Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard : On burning: release of (highly) toxic gases/vapours.
Explosion hazard : None known.
Hazardous decomposition products in case of fire : Hazardous combustion products. On combustion forms: carbon oxides (CO and CO₂).

5.3. Advice for firefighters

Precautionary measures fire : Evacuate the personnel away from the fumes.
Firefighting instructions : Cool down the containers exposed to heat with a water spray. Move undamaged containers from immediate hazard area if it can be done safely.

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Protective equipment for firefighters	: Extra personal protection: complete protective clothing including self-contained breathing apparatus.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazchem Code	: NAP

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Wear personal protection equipment. Do not attempt to take action without suitable protective equipment.
Emergency procedures	: Immediately contact emergency personnel. Eliminate all ignition sources if safe to do so. Spilled material may present a slipping hazard.

6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing, gloves and eye/face protection. Do not attempt to take action without suitable protective equipment. In presence of product's residue, total impervious protective suits, gloves, and boots must be worn.
Emergency procedures	: Evacuate unnecessary personnel. Eliminate all ignition sources if safe to do so. Spilled material may present a slipping hazard. Avoid inhalation of vapours. Ventilate affected area. Consult an expert.

6.2. Environmental precautions

Avoid release to the environment. Avoid sub-soil penetration. Relevant water authorities should be notified of large spillage to water course or drain.

6.3. Methods and material for containment and cleaning up

For containment	: Stop leak if safe to do so. Recover small spills with a suitable absorbent, like diatomaceous earth. Recover large spills by pumping (use an explosion proof or hand pump).
Methods for cleaning up	: Ventilate affected area. Wear personal protection equipment. Collect in closed containers for disposal. Wash with plenty of soap and water. Consult the appropriate authorities about waste disposal. Wash contaminated area with large amounts of water.
Other information	: Do not allow uncontrolled discharge of product into the environment.

6.4. Reference to other sections

For disposal of residues refer to section 13 : Disposal considerations. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin and eyes. Avoid breathing mist or vapor . Keep away from sources of ignition - No smoking. Take any precaution to avoid mixing with Incompatible materials. Open and handle container with care. Ensure operatives are trained to minimise exposures. Avoid formation of vapours.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures Storage conditions	: Provide adequate ventilation.
Incompatible materials	: Store tightly closed in a dry, cool and well-ventilated place. Keep out of direct sunlight. : Strong acids. Ammonia. Zinc.
Heat and ignition sources Prohibitions on mixed storage Storage area	: Lead. Aluminium. Flammable liquids.
Packaging materials	: Keep away from open flames, hot surfaces and sources of ignition. : Keep away from food, drink and animal feeding stuffs. : Use explosion-proof lighting equipment. : All containers must be labelled to warn against exposure. Prevent shock/impact.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-Butoxyethanol- (111-76-2)		
Australia	TWA (mg/m³)	96.9 mg/m³
Australia	TWA (ppm)	20 ppm
Australia	STEL (mg/m³)	242 mg/m³
Australia	STEL (ppm)	50 ppm
New Zealand	TWA (mg/m³)	121 mg/m³
New Zealand	TWA (ppm)	25 ppm

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sodium hydroxide, caustic soda- (1310-73-2)

Australia	TWA (mg/m ³)	2 mg/m ³ (Peal Limitation)
New Zealand	TWA (mg/m ³)	2 mg/m ³ (ceiling)

8.2. Exposure controls

Appropriate engineering controls:

Provide adequate ventilation.

Personal protective equipment:

Safety glasses. Gloves. Protective clothing. An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits.

Materials for protective clothing:

Rubbers. PVC (Polyvinyl chloride). Natural fibres (e.g. cotton)

Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Break through time: \geq 480 min. Thickness of glove material: 0.4-0.5 mm. Chemical resistant gloves (nitrile-rubber, PVC, neoprene)

Eye protection:

Wear eye glasses with side protection according to EN 166. Do not wear contact lenses

Skin and body protection:

Chemical resistant protective apron/clothing (tested to EN 14605 or equivalent)

Respiratory protection:

An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits. Wear a respirator conforming to EN140 with Type A/P2 filter or better. EN 14387. Combination filtering device (DIN EN 141)



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: characteristic.
Odour threshold	: No data available : 11
pH	1% solution: No data
Relative evaporation rate (butylacetate=1)	available : No data
Melting point	available : No data
Freezing point	available : 100 °C
Boiling point	available : 100 °C
Flash point	
Auto-ignition temperature	
Decomposition temperature	
Flammability (solid, gas)	
Vapour pressure	
Relative vapour density at 20 °C	Relative density : No data available : No
Density	data available : No data
Solubility	available
Log Pow	
Viscosity, kinematic	: Not flammable
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
	: No data available
	: 1,03 kg/l
	: soluble in water.
	: No data available
	: No data available
	: No data available
	: Not expected to be explosive as none of the components is classified as explosive. : Not oxidising.

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Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use. Oxidising agent, strong. May form peroxides.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Strong acids. Ammonia. Zinc. Lead. Aluminium. Flammable liquids.

10.6. Hazardous decomposition products

On combustion or on thermal decomposition (pyrolysis) releases : Nitrogen oxides (NOx). Carbon dioxide (CO2). Phosphorus oxides. Sulfur oxides. Pyrolysis products, toxic.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Acute toxicity (dermal) Acute :Not classified

toxicity (inhalation) :Not classified

sodium hydroxide, caustic soda- (1310-73-2)

LD50 oral rat	1350 mg/kg
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LD50 dermal rat	1350
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2-Butoxyethanol- (111-76-2)

LD50 oral rat	615 mg/kg
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LD50 dermal rat	405 mg/kg
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LC50 inhalation rat (mg/l)	2,2 mg/l/4h
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Skin corrosion/irritation : Causes skin irritation.
pH: 11 1% solution

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitisation Germ cell pH: 11 1% solution

mutagenicity Carcinogenicity : Not classified : Not

Reproductive toxicity classified : Not

STOT-single exposure classified : Not

STOT-repeated exposure Aspiration classified : Not

hazard classified : Not

classified : Not

classified

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

alcohols, C12-14, ethoxylated- (68439-50-9)

LC50 fish 1	< 1 mg/kg
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EC50 Daphnia 1	< 1 mg/l
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12.2. Persistence and degradability

No additional information available

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12.3. Bioaccumulative potential

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Bioaccumulative potential	Low bioaccumulative potential.
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2-Butoxyethanol- (111-76-2)

Log Pow	0,81 (at 25 °C)
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12.4. Mobility in soil

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Ecology - soil	Expected to be highly mobile in soil.
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12.5. Results of PBT and vPvB assessment

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Results of PBT assessment	The components in this formulation do not meet the criteria for classification as PBT or vPvB.
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12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Reuse or recycle following decontamination. External recovery and recycling of waste should comply with applicable local and/or national regulations. Recycling is preferred to disposal or incineration.

Waste disposal recommendations : Dispose of this material and its container at hazardous or special waste collection point.

SECTION 14: Transport information

In accordance with ADG / IMDG / IATA / ADN / NZS 5433:2012 Transport of Dangerous Goods on Land

ADG	IMDG	IATA	ADN	NZS5433:2012
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport Not regulated
Transport by sea Not regulated

Air transport Not regulated

Inland waterway transport Not regulated

Rail transport Not regulated

Hazchem Code : 2R

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

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions, Contains no substance on the REACH candidate list, Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations : Regulation (EC) No. 648/2004 (Detergents regulation). Contains: < 5% anionic surfactants, non-ionic surfactants; Preservatives: 1,2-benzisothiazol-3 (2H) -one.

15.1.2. National regulations

Australia

Australian Inventory of Chemical Substances: : All constituents of this material are listed on the AICS or exempt : Not scheduled

Poison schedule (SUSDP):

Agricultural and Veterinary Chemicals Act 1988 : Not Applicable

New

Zealand

Classification: : Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

National Chemical Inventories (NZIoC) HSNO Approval : All components are listed on the New Zealand Inventory of Chemicals or exempt
Number (Group Standard) : HSR002530. Cleaning Products (Subsidiary Hazard) Group Standard 2017

SECTION 16: Other information

Abbreviations and acronyms:

SDS	Safety Data Sheet
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
	CAS (Chemical Abstracts Service) number
	CSR - Chemical Safety Report

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product