Dry wash 5 l

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 9/13/2018 Revision date: 8/21/2023

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

1.1. Product identifier

Trade name : Dry wash 5 l
Product code : DRW 05

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Importer
Paint Smart Group NZ
10 Barberry Street
Judea
Tauranga
New Zealand
www.paintsmart.co.nz

Supplier
Chemicar Europe
Baarbeek 2
2070 Zwijndrecht, Belgium
T +32 3 234 87 80
www.finixa.com

1.4. Emergency telephone number

Emergency number : Poisons Information Centre New Zealand
0800 764 766

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

2.3. Other hazards

PBT: not relevant – no registration required
vPvB: not relevant – no registration required
Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-butoxyethanol; ethylene glycol monobutyl ether substance with a Community workplace exposure limit	CAS-No.: 111-76-2 EC-No.: 203-905-0 EC Index-No.: 603-014-00-0	< 1	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319
reaction products of C18 (unsaturated) fatty acids and dimethylsulfate and triethanolamine 01-2119472309-33	1 335202-95-3	1.5%<C<2%	Skin Irrit. 2; H315 Eye Irrit. 2; H319

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.
First-aid measures after inhalation : Allow affected person to breathe fresh air.
First-aid measures after skin contact : Rinse with plenty of water. After contact with skin, wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophtalmologist if irritation persists.
First-aid measures after ingestion : Rinse mouth. Immediately call a POISON CENTER/doctor.

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : ABC-powder. BC-powder. Alcohol resistant foam. Water spray. carbon dioxide (CO2).
Unsuitable extinguishing media : Water.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Upon heating, toxic fumes are formed. nitrogen oxides (NOx) and sulphur oxides. carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Precautionary measures fire : No particular/specific measures required.
Protection during firefighting : Wear gloves according to EN374 resistant to the solvent(s) in use. EN 14605. EN 13034. Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No flames, no sparks. Eliminate all sources of ignition.

6.1.1. For non-emergency personnel

Protective equipment : See Section 8.

6.1.2. For emergency responders

Protective equipment : Gloves. protective clothing.

6.2. Environmental precautions

Contain leaking substance, pump over in suitable containers. In case of fire: stop leak if safe to do so. Take up liquid spill into inert absorbent material. Prevent soil and water pollution. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Take up liquid spill into inert absorbent material. Scoop absorbed substance into closing containers.

Methods for cleaning up : Contaminated surfaces: clean (treat) with an excess of water. This material and its container must be disposed of in a safe way, and as per local legislation. Wash clothing and equipment after handling.

Other information : Concerning disposal elimination after cleaning, see section 13.

6.4. Reference to other sections

SECTION 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Use spark-/explosionproof appliances and lighting system. Observe strict hygiene. Take off immediately all contaminated clothing. Keep container tightly closed. No flames, no sparks. Eliminate all sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool place. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Protect against frost.

Storage conditions : Use and store away from all naked flames, heat sources or working electrical appliances. Do not smoke.

Incompatible products : Heat sources.

Packaging materials : a polypropylene.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

EU

2-Butoxyethanol	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	20 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	98 mg/m³
	Short time value (Indicative occupational exposure limit value)	50 ppm
	Short time value (Indicative occupational exposure limit value)	246 mg/m³

Belgium

2-Butoxyethanol	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	20 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	98 mg/m³
	Short time value (Indicative occupational exposure limit value)	50 ppm
	Short time value (Indicative occupational exposure limit value)	246 mg/m³

The Netherlands

2-Butoxyethanol	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	20.4 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	100 mg/m³
	Short time value (Indicative occupational exposure limit value)	50 ppm
	Short time value (Indicative occupational exposure limit value)	246 mg/m³

France

2-Butoxyethanol	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	10 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	49 mg/m³
	Short time value (VRC: Valeur réglementaire contraignante)	50 ppm
	Short time value (VRC: Valeur réglementaire contraignante)	246 mg/m³

Germany

2-Butoxyethanol	Time-weighted average exposure limit 8 h (TRGS 900)	10 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	49 mg/m³

Austria

2-Butoxyethanol	Tagesmittelwert (MAK)	20 ppm
	Tagesmittelwert (MAK)	98 mg/m³
	Kurzzeitwert 30(Miw) 4x (MAK)	40 ppm
	Kurzzeitwert 30(Miw) 4x (MAK)	200 mg/m³

UK

2-Butoxyethanol	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	25 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	123 mg/m³
	Short time value (Workplace exposure limit (EH40/2005))	50 ppm
	Short time value (Workplace exposure limit (EH40/2005))	246 mg/m³

USA (TLV-ACGIH)

2-Butoxyethanol	Time-weighted average exposure limit 8 h (TRGS 900)	10 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	49 mg/m³

b) National biological limit values

If limit values are applicable and available these will be listed below.

Germany

2-Butoxyethanol (Butoxyessigsäure (nach Hydrolyse))	Urin: expositionsende, bzw. schichtende bei langzeitexposition: nach mehreren vorangegangenen schichten	150 mg/g Kreatinin

UK

2-Butoxyethanol (butoxyacetic acid)	Urine: post shift	240 mmol/mol creatinine

USA (BEI-ACGIH)

2-buthoxyethanol (Butoxyacetic acid (BAA))	urine: end of shift	200 mg/g creatinine	With hydrolysis

8.1.2. Recommended monitoring procedures

Product name	Test	Number
2-Butoxyethanol (Alcohols IV)	NIOSH	1403
2-Butoxyethanol (Butyl Cellosolve solvent)	OSHA	83
2-Butoxyethanol	OSHA	5001
Butoxyacetic acid	NIOSH	8316
Butyl cellosolve (Volatile Organic compounds)	NIOSH	2549
Butyl Cellosolve	OSHA	83

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

2-butoxyethanol

Effect level (DNEL/DMEL)	Type	Value
DNEL	Long-term systemic effects inhalation	98 mg/m³
	Acute systemic effects inhalation	1091 mg/m³
	Acute local effects inhalation	246 mg/m³

Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine

Effect level (DNEL/DMEL)	Type	Value
DNEL	Long-term systemic effects inhala□on	14.8 mg/m³
	Long-term systemic effects inhala□on	105 mg/kg bw/day

DNEL/DMEL - General population

2-butoxyethanol

Effect level (DNEL/DMEL)	Type	Value
DNEL	Long-term systemic effects inhala□on	59 mg/m³
	Acute systemic effects inhalation	426 mg/m³
	Acute local effects inhalation	147 mg/m³
	Long-term systemic effects oral	6.3 mg/kg bw/day
	Acute systemic effects oral	26.7 mg/kg bw/day

reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine

Effect level (DNEL/DMEL)	Type	Value
DNEL	Long-term systemic effects inhalation	2.61 mg/m³
	Long-term systemic effects oral	37.5 mg/kg bw/day
	Acute systemic effects oral	1.5 mg/kg bw/day

PNEC

2-butoxyethanol

Compartments	Value
Fresh water	8.8 mg/l
Marine water	0.88 mg/l
Fresh water (intermittent releases)	26.4 mg/l
STP	463 mg/l
Fresh water	34.6 mg/kg sediment dw
Marine water sediment	3.46 mg/kg sediment dw
Soil	2.33 mg/kg soil dw
Oral	0.02 g/kg food

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Measure concentrations regularly, and at the time of any change occuring in conditions likely to have consequences on workers exposure. Provide adequate ventilation to minimize dust concentrations. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection. No flames, no sparks. Eliminate all sources of ignition.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:
No additional information available

8.2.2.2. Skin protection

No additional information available

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	No data available
Odour	:	mild.
Odour threshold	:	No data available
pH	:	3,00-5,00
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	100 °C
Flash point	:	> 100 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	No data available
Relative vapour density at 20°C	:	No data available
Relative density	:	0,98-0,1
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

VOC content	:	< 1.7 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Heating increases the fire hazard.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparking tools.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Explosive decomposition on exposure to temperature rise: release of toxic and corrosive gases/vapours. Carbon monoxide. Carbon dioxide. Sulphur oxides. Nitrous fumes.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
No (test)data on the mixture available
Judgement is based on the relevant ingredients
2-butoxyethanol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination
Oral	LD50	Equivalent to OECD 401	1746 mg/kg bw		Rat (male)	Experimental value
Oral	LD50	OECD 401	1414 mg/kg bw		Guinea pig (male / female)	Experimental value
Dermal	LC0	OECD 402	> 2000 mg/kg bw	24h	Guinea pig (male / female)	Experimental value
Inhalation (vapours)	ATE		3 mg/l			Annex VI
Inhalation (saturated vapour)	Dose level	Equivalent to OECD 433	2.25 mg/l	4 h	Guinea pig (male / female)	Experimental value

Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination
Oral	LD50	EU Method B.1	> 2000 mg/kg bw		Rat (male/female)	Experimental value
Dermal	LD50	OECD 402	> 2000 mg/kg bw	24h	Rat (male/female)	Experimental value
Inhalation						Data waiving

Conclusion
Not classified for acute toxicity

Corrosion/irritation
DRW - Drywash
No (test)data on the mixture available
Judgement is based on the relevant ingredients
2-butoxyethanol

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating	OECD 405	24 h	24; 48; 72 hours	Rabbit	Experimental value	Single treatment with rinsing
Skin	Irritating	EU Method B.4	4 h	24; 48; 72 hours	Rabbit	Experimental value	

Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not Irritating	OECD 405		24; 48; 72 hours	Rabbit	Experimental value	Single treatment without rinsing
Skin	Irritating	OECD 404	4 h	24; 48; 72 hours	Rabbit	Experimental value	

Conclusion
Not classified as irritating to the skin
Not classified as irritating to the eyes
Not classified as irritating to the respiratory system

Respiratory or skin sensitisation
DRW - Drywash
No (test)data on the mixture available
Judgement is based on the relevant ingredients
2-butoxyethanol

Route of exposure	Result	Method	Exposure time	Observation Time point	Species	Value determination	Remark
Skin	Not sensitizing	OECD 406			Guinea pig (male / female)	Experimental value	

Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine

Route of exposure	Result	Method	Exposure time	Observation Time point	Species	Value determination	Remark
Skin	Not sensitizing	OECD 406			Guinea pig (male / female)	Experimental value	

Conclusion
Not classified as sensitizing for inhalation
Not classified as sensitizing for skin

Specific target organ toxicity
DRW - Drywash
No (test)data on the mixture available
Judgement is based on the relevant ingredients

2-butoxyethanol

Route of exposure	Parameter	Method	Value	Effect	Exposure time	Species	Value determination
Oral (drinking water)	NOAEL	Equivalent to OECD 408	< 69 mg/kg bw/day	No effect	90 days (continuous)	Rat (male)	Experimental value
Oral (drinking water)	NOAEL	Equivalent to OECD 408	< 82 mg/kg bw/day	No effect	90 days	Rat (female)	Experimental value

Dermal	NOAEL	Equivalent to OECD 411	> 150 mg/kg bw/day	No effect	13 weeks (5 days / week)	Rabbit (male / female)	Experimental value
Inhalation (vapours)	NOAEC	Equivalent to OECD 413	< 31 ppm	No effect	14 weeks (6h / day, 5 days / week)	Rat (female)	Experimental value
Inhalation (vapours)	NOAEC	Equivalent to OECD 413	62.5 ppm	No effect	14 weeks (6h / day, 5 days / week)	Rat (male)	Experimental value

Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine

Route of exposure	Parameter	Method	Value	Effect	Exposure time	Species	Value determination
Oral (drinking water)	NOAEL	Equivalent to OECD 408	< 69 mg/kg bw/day	No effect	90 days (continuous)	Rat (male)	Experimental value

Conclusion
Not classified for subchronic toxicity

Mutagenicity (in vitro)
DRW - Drywash
No (test)data on the mixture available
Judgement is based on the relevant ingredients

2-butoxyethanol

Result	Method	Test substrate	Value determination
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S. typhimurium)	Experimental value
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Chinese hamster ovary (CHO)	Experimental value

Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine

Result	Method	Test substrate	Value determination
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S. typhimurium and E. coli)	Experimental value
Negative with metabolic activation, negative without metabolic activation	OECD 473	Chinese hamster lung fibroblasts (V79)	Experimental value

Mutagenicity (in vivo)
DRW - Drywash
No (test)data on the mixture available
Judgement is based on the relevant ingredients

2-butoxyethanol

Result	Method	Exposure time	Test sustrate	Organ	Value determination
Negative (Intraperitoneal)	Equivalent to OECD 474	3 dose(s)/24-hour interval	Mouse (male)		Experimental value
Negative (Oral (stomach tube))	OECD 474		Mouse (male / female)	Bone marrow	Experimental value

Conclusion
Not classified for mutagenic or genotoxic toxicity

Carcinogenicity
DRW - Drywash
No (test)data on the mixture available
Judgement is based on the relevant ingredients

2-butoxyethanol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Value determination
Inhalation (vapours)	NOAEC	Equivalent to OECD 451	> 125 ppm	104 weeks (6h / day, 5 days / week)	Rat (male / female)	No carcinogenic effect	Experimental value

Conclusion
Not classified for carcinogenicity

Reproductive toxicity
DRW - Drywash
No (test)data on the mixture available
Judgement is based on the relevant ingredients

2-butoxyethanol

	Parameter	Method	Value	Exposure time	Species	Effect	Value determination
Developmental toxicity (Oral (stomach tube))	NOAEC	Equivalent to OECD 414	200 mg/kg bw/day	3 days (gestation, daily)	Rat	No effect	Experimental value
Maternal toxicity (Oral (stomach tube))	NOAEL	Equivalent to OECD 414	30 mg/kg bw/day	3 days (gestation, daily)	Rat	No effect	Experimental value
Effects on fertility (Oral (drinking water))	NOAEL	Fertility assesment	720 mg/kg bw/day		Mouse (male/female)	No effect	Experimental value

Conclusion
Not classified for reprotoxic or developmental toxicity
Aspiration hazard
Judgement is based on the relevant ingredients
Not classified for aspiration toxicity

Toxicity other effects
DRW - Drywash
No (test)data on the mixture available

Chronic effects from short and long-term exposure
DRW - Drywash
No effects known.

SECTION 12: Ecological information

12.1. Toxicity

DRW - Drywash
No (test)data on the mixture available
Judgement of the mixture is based on the relevant ingredients

2-butoxyethanol

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	1474 mg/l	96 h	Oncorhynchus mykiss	Static system	Fresh water	Experimental value; Nominal concentration
Acute toxicity crustacea	EC50	OECD 202	1550 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	ErC50	OECD 201	1840 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Nominal concentration
	NOEC	OECD 201	286 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish	NOEC	Equivalent to OECD 204	> 100 mg/l	21 day(s)	Danio rerio	Semi-static system	Fresh water	Experimental value; Nominal concentration

Long-term toxicity aquatic Crustacea	NOEC	OECD 211	100 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; Reproduction
Toxicity aquatic microorganisms	Toxicity threshold	Equivalent to DIN 38412/8	700 mg/l	16 h	Pseudomonas putida	Static system	Fresh water	Experimental value; Nominal concentration

reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	1.9 mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Read-across; Measured concentration
Acute toxicity crustacea	EC50	EU Method C.2	2.2 mg/l	48 h	Daphnia magna	Static system	Fresh water	Read-across; Estimated value
Toxicity algae and other aquatic plants	ErC50	OECD 201	2.1 mg/l	72h	Scenedesmus subspicatus			Read-across
	EC10	OECD 201	1.5 mg/l	72h				Weight of evidence; Growth rate

Conclusion
Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

12.2. Persistence and degradability

2-butoxyethanol
Biodegradation water

Method	Value	Duration	Value determination
OECD 301B	90 %; Carbon dioxide	28 day(s)	Experimental value

Phototransformation air (DT50 air)

Method	Value	Duration	Value determination
AOPWIN v1.90	5.5 h	1.5E6 /cm³	QSAR

reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine
Biodegradation water

Method	Value	Duration	Value determination
OECD 301B	100 %; GLP	28 day(s)	Experimental value

Conclusion
Water
Contains readily biodegradable component(s)

12.3. Bioaccumulative potential

No additional information available
2-butoxyethanol
Log Kow

Method	Value	Temperature	Value determination
BASF test	0.81	25°C	Experimental value

reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine
BCF other aquatic organisms

Parameter	Value	Value determination
BCF	13 l/kg; Fresh weight	Similar product

Log Kow

Parameter	Value	Value determination
BCF	3.8	Experimental value

Conclusion
Does not contain bioaccumulative component(s)

12.4. Mobility in soil

2-butoxyethanol
(log) Koc

Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v2.0	0.5 - 0.9	Calculated value

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level I	0.31 %	0 %	0.01 %	0.59 %	99.09 %	QSAR

reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine
(log) Koc

Parameter	Method	Value	Value determination
Koc		10000	Read-across
log Koc		4	Calculated value

Conclusion
Contains component(s) with potential for mobility in the soil
Contains component(s) that adsorb(s) into the soil

12.5. Results of PBT and vPvB assessment

Dry wash 5 l
PBT: not relevant – no registration required
vPvB: not relevant – no registration required

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : This material and its container must be disposed of in a safe way, and as per local legislation. Prevent entry to sewers and public waters. Use appropriate container to avoid environmental contamination. Ensure all national/local regulations are observed.

European Union
Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. The waste code must be assigned by the user, preferably in consulta□on with the (environmental) authorities concerned.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN
14.1. UN number			
Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable

ADR	IMDG	IATA	ADN
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

14.6. Special precautions for user

Overland transport
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

Inland waterway transport
Not applicable

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content : <1.7 %

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

National legislation Belgium

DRW - Drywash
No data available

2-butoxyethanol

Résorption peau	2-Butoxyéthanol; D; La mention “D” signifie que la résorption de l’agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l’exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l’agent dans l’air.

National legislation The Netherlands
DRW – Drywash

Waterbezwaarlijkheid	B (5); Algemene Beoordelingsmethodiek (ABM)

2-butoxyethanol

Huidopname (wettelijk)	2-Butoxyethanol; H

National legislation France
DRW - Drywash
No data available

2-butoxyethanol

Risque de pénétration percutanée	2-Butoxyéthanol; Risque de pénétration percutanée

National legislation Germany
DRW - Drywash

WGK	1; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017

2-butoxyethanol

TA-Luft	5.2.5
TRGS900 - Risiko der Fruchtschädigung	2-Butoxyethanol; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
Hautresorptive Stoffe	2-Butoxyethanol; H; Hautresorptiv

reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine

TA-Luft	5.2.1

National legislation United Kingdom
DRW - Drywash
No data available
2-butoxyethanol

Skin absorption	2-Butoxyethanol; Sk

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

Full text of H- and EUH-statements:	
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Safety Data Sheet (SDS), EU

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.