



Safety Data Sheet according to Regulation (EC) No 1907/2006

Page 1 of 16

LIXTON Telewash plus 4 TFT

SDS No. : 343137

V003.0

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

1.1. Product identifier

LIXTON Telewash plus 4 TFT

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

Intended use:

Neutral Cleaner for Industrial Application

1.3. Details of the supplier of the safety data sheet

Henkel Ltd

Adhesives

Wood Lane End

HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000

Fax-no.: +44 (1442) 278071

ua-productsafety.uk@henkel.com

1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.2. Label elements

Label elements (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

Supplemental information EUH210 Safety data sheet available on request.

2.3. Other hazards

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Declaration of the ingredients according to CLP (EC) No 1272/2008:**

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Dipropylene glycol monomethyl ether 34590-94-8	252-104-2 01-2119450011-60	1- < 5 %	
1-Butoxypropan-2-ol 5131-66-8	225-878-4 01-2119475527-28	1- < 5 %	Skin Irrit. 2 H315 Eye Irrit. 2 H319 Flam. Liq. 3 H226
1-Methoxy -2-propanol 107-98-2	203-539-1 01-2119457435-35	1- < 5 %	Flam. Liq. 3 H226 STOT SE 3 H336
Ethanol 64-17-5	200-578-6 01-2119457610-43	1- < 5 %	Eye Irrit. 2 H319 Flam. Liq. 2 H225

For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to Detergent Regulation 648/2004/EC

|| Further ingredients **Perfumes**

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation:**

Move to fresh air.

In case of adverse health effects seek medical advice.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

In case of adverse health effects seek medical advice.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

No data available.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media:**

Carbon dioxide, foam, powder

Extinguishing media which must not be used for safety reasons:

Water jet (solvent-containing product).

5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in fires.

5.3. Advice for firefighters

Wear protective equipment.

Wear self-contained breathing apparatus.

Additional information:

In case of fire, keep containers cool with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure that workrooms are adequately ventilated.

Avoid skin and eye contact.

See advice in section 8

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Stir before use.

Keep container tightly sealed.

Do not store together with substances which may explode.

7.3. Specific end use(s)

Neutral Cleaner for Industrial Application

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational Exposure Limits**Valid for
Great Britain

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
(2-Methoxymethylethoxy)propanol 34590-94-8 [(2-METHOXYMETHYLETHOXY) PROPANOL]	50	308	Time Weighted Average (TWA):		EH40 WEL
(2-Methoxymethylethoxy)propanol 34590-94-8 [(2-METHOXYMETHYLETHOXY) PROPANOL]			Skin designation:	Can be absorbed through the skin.	EH40 WEL
(2-Methoxymethylethoxy)propanol 34590-94-8 [(2-METHOXYMETHYLETHOXY)- PROPANOL]	50	308	Time Weighted Average (TWA):	Indicative	ECTLV
Ethanol 64-17-5 [ETHANOL]	1.000	1.920	Time Weighted Average (TWA):		EH40 WEL
1-Methoxypropan-2-ol 107-98-2 [1-METHOXYPROPAN-2-OL]	150	560	Short Term Exposure Limit (STEL):		EH40 WEL
1-Methoxypropan-2-ol 107-98-2 [1-METHOXYPROPAN-2-OL]			Skin designation:	Can be absorbed through the skin.	EH40 WEL
1-Methoxypropan-2-ol 107-98-2 [1-METHOXYPROPAN-2-OL]	100	375	Time Weighted Average (TWA):		EH40 WEL
1-Methoxypropan-2-ol 107-98-2 [1-METHOXYPROPANOL-2]	100	375	Time Weighted Average (TWA):	Indicative	ECTLV
1-Methoxypropan-2-ol 107-98-2 [1-METHOXYPROPANOL-2]	150	568	Short Term Exposure Limit (STEL):	Indicative	ECTLV

Occupational Exposure LimitsValid for
Ireland

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
(2-Methoxymethylethoxy)propanol 34590-94-8 [(2-METHOXYMETHYLETHOXY)-1- PROPANOL]			Skin designation:	Can be absorbed through the skin.	IR_OEL
(2-Methoxymethylethoxy)propanol 34590-94-8 [(2-METHOXYMETHYLETHOXY)-1- PROPANOL]	50	308	Time Weighted Average (TWA):	Indicative OELV	IR_OEL
(2-Methoxymethylethoxy)propanol 34590-94-8 [(2-METHOXYMETHYLETHOXY)- PROPANOL]	50	308	Time Weighted Average (TWA):	Indicative	ECTLV
Ethanol 64-17-5 [ETHANOL]	1.000		Short Term Exposure Limit (STEL):		IR_OEL
1-Methoxypropan-2-ol 107-98-2 [PROPYLENE GLYCOL MONOMETHYL ETHER]	100	375	Time Weighted Average (TWA):	Indicative OELV	IR_OEL
1-Methoxypropan-2-ol 107-98-2 [PROPYLENE GLYCOL MONOMETHYL ETHER]	150	568	Short Term Exposure Limit (STEL):	Indicative OELV	IR_OEL
1-Methoxypropan-2-ol	100	375	Time Weighted Average	Indicative	ECTLV

107-98-2 [1-METHOXYPROPANOL-2]			(TWA):		
1-Methoxypropan-2-ol 107-98-2 [1-METHOXYPROPANOL-2]	150	568	Short Term Exposure Limit (STEL):	Indicative	ECLTV

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
34590-94-8	aqua (freshwater)		19 mg/l				
34590-94-8	aqua (marine water)		1,9 mg/l				
34590-94-8	sewage treatment plant (STP)		4168 mg/l				
34590-94-8	sediment (freshwater)				70,2 mg/kg		
34590-94-8	sediment (marine water)				7,02 mg/kg		
34590-94-8	soil				2,74 mg/kg		
34590-94-8	aqua (intermittent releases)		190 mg/l				
1-Butoxypropan-2-ol 5131-66-8	aqua (freshwater)		0,525 mg/l				
1-Butoxypropan-2-ol 5131-66-8	aqua (marine water)		0,0525 mg/l				
1-Butoxypropan-2-ol 5131-66-8	aqua (intermittent releases)		5,25 mg/l				
1-Butoxypropan-2-ol 5131-66-8	sewage treatment plant (STP)		10 mg/l				
1-Butoxypropan-2-ol 5131-66-8	sediment (freshwater)				2,36 mg/kg		
1-Butoxypropan-2-ol 5131-66-8	sediment (marine water)				0,236 mg/kg		
1-Butoxypropan-2-ol 5131-66-8	soil				0,16 mg/kg		
1-Methoxy-2-propanol 107-98-2	aqua (freshwater)		10 mg/l				
1-Methoxy-2-propanol 107-98-2	aqua (marine water)		1 mg/l				
1-Methoxy-2-propanol 107-98-2	aqua (intermittent releases)		100 mg/l				
1-Methoxy-2-propanol 107-98-2	sediment (freshwater)				52,3 mg/kg		
1-Methoxy-2-propanol 107-98-2	sediment (marine water)				5,2 mg/kg		
1-Methoxy-2-propanol 107-98-2	soil				4,59 mg/kg		
1-Methoxy-2-propanol 107-98-2	sewage treatment plant (STP)		100 mg/l				
Ethanol 64-17-5	aqua (freshwater)		0,96 mg/l				
Ethanol 64-17-5	aqua (marine water)		0,79 mg/l				
Ethanol 64-17-5	aqua (intermittent releases)		2,75 mg/l				
Ethanol 64-17-5	sediment (freshwater)				3,6 mg/kg		
Ethanol 64-17-5	soil				0,63 mg/kg		
Ethanol 64-17-5	sewage treatment plant (STP)		580 mg/l				
Ethanol 64-17-5	oral				720 mg/kg		
Ethanol 64-17-5	sediment (marine water)				2,9 mg/kg		

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
34590-94-8	Workers	inhalation	Long term exposure - systemic effects		308 mg/m ³	
34590-94-8	Workers	dermal	Long term exposure - systemic effects		283 mg/kg	
34590-94-8	General population	oral	Long term exposure - systemic effects		36 mg/kg	
34590-94-8	General population	inhalation	Long term exposure - systemic effects		37,2 mg/m ³	
34590-94-8	General population	dermal	Long term exposure - systemic effects		121 mg/kg	
1-Butoxypropan-2-ol 5131-66-8	Workers	dermal	Long term exposure - systemic effects		44 mg/kg	
1-Butoxypropan-2-ol 5131-66-8	Workers	inhalation	Long term exposure - systemic effects		270,5 mg/m ³	
1-Butoxypropan-2-ol 5131-66-8	General population	dermal	Long term exposure - systemic effects		16 mg/kg	
1-Butoxypropan-2-ol 5131-66-8	General population	inhalation	Long term exposure - systemic effects		33,8 mg/m ³	
1-Butoxypropan-2-ol 5131-66-8	General population	oral	Long term exposure - systemic effects		8,75 mg/kg	
1-Butoxypropan-2-ol 5131-66-8	Workers	dermal	Acute/short term exposure - local effects		50 %	
1-Butoxypropan-2-ol 5131-66-8	Workers	inhalation	Acute/short term exposure - local effects		50 %	
1-Butoxypropan-2-ol 5131-66-8	Workers	dermal	Long term exposure - local effects		50 %	
1-Butoxypropan-2-ol 5131-66-8	General population	dermal	Acute/short term exposure - local effects		50 %	
1-Butoxypropan-2-ol 5131-66-8	General population	dermal	Long term exposure - local effects		50 %	
1-Methoxy-2-propanol 107-98-2	Workers	Inhalation	Acute/short term exposure - local effects		553,5 mg/m ³	
1-Methoxy-2-propanol 107-98-2	Workers	dermal	Long term exposure - systemic effects		50,6 mg/kg	
1-Methoxy-2-propanol 107-98-2	Workers	Inhalation	Long term exposure - systemic effects		369 mg/m ³	
1-Methoxy-2-propanol 107-98-2	General population	dermal	Long term exposure - systemic effects		18,1 mg/kg	
1-Methoxy-2-propanol 107-98-2	General population	Inhalation	Long term exposure - systemic effects		43,9 mg/m ³	
1-Methoxy-2-propanol 107-98-2	General population	oral	Long term exposure - systemic effects		3,3 mg/kg	
Ethanol 64-17-5	Workers	inhalation	Acute/short term exposure - local effects		1900 mg/m ³	
Ethanol 64-17-5	Workers	dermal	Long term exposure - systemic effects		343 mg/kg	
Ethanol 64-17-5	Workers	inhalation	Long term exposure -		950 mg/m ³	

			systemic effects			
Ethanol 64-17-5	General population	inhalation	Acute/short term exposure - local effects		950 mg/m ³	
Ethanol 64-17-5	General population	dermal	Long term exposure - systemic effects		206 mg/kg	
Ethanol 64-17-5	General population	inhalation	Long term exposure - systemic effects		114 mg/m ³	
Ethanol 64-17-5	General population	oral	Long term exposure - systemic effects		87 mg/kg	

Biological Exposure Indices:

None

8.2. Exposure controls:

Engineering controls:

Ensure good ventilation/suction at the workplace.

Respiratory protection:

In case of aerosol formation, we recommend wearing of appropriate respiratory protection equipment with ABEK P2 filter (EN 14387).

This recommendation should be matched to local conditions.

Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Polychloroprene (CR; >= 1 mm thickness) or natural rubber (NR; >=1 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR; >= 1 mm thickness) or natural rubber (NR; >=1 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Protective goggles

Protective eye equipment should conform to EN166.

Skin protection:

Suitable protective clothing

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.

Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid
low viscosity
colourless

Odor

mild

Odour threshold

No data available / Not applicable

pH

9,6 - 10,8

(20 °C (68 °F); Conc.: 100 %)

Initial boiling point

No data available / Not applicable

Flash point

Aqueous solution

Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (20 °C (68 °F))	0,980 - 1,000 g/cm ³
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Miscible
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Reaction with oxidants.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

No decomposition if used according to specifications.

10.5. Incompatible materials

See section reactivity.

10.6. Hazardous decomposition products

None if used for intended purpose.

In case of fire toxic gases can be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General toxicological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Oral toxicity:

LD50 > 2000 mg/kg body weight

Skin irritation:

Prolonged or repeated contact may cause skin irritation.

Eye irritation:

Prolonged or repeated contact may cause eye irritation.

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Dipropylene glycol monomethyl ether 34590-94-8	LD50	8.740 mg/kg	oral		rat	not specified
1-Butoxypropan-2-ol 5131-66-8	LD50	3.300 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
1-Methoxy -2-propanol 107-98-2	LD50	3.739 mg/kg	oral		rat	EU Method B.1 (Acute Toxicity (Oral))
Ethanol 64-17-5	LD50	10.470 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Dipropylene glycol monomethyl ether 34590-94-8	LC50	55 - 60 mg/l		4 h	rat	not specified
1-Butoxypropan-2-ol 5131-66-8	LC50	> 651 ppm	Vapor.	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)
1-Methoxy -2-propanol 107-98-2	LC50	54,6 mg/l		4 h	rat	not specified
Ethanol 64-17-5	LC50	124,7 mg/l	vapour	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Dipropylene glycol monomethyl ether 34590-94-8	LD50	9.510 mg/kg	dermal		rabbit	not specified
1-Butoxypropan-2-ol 5131-66-8	LD50	> 2.000 mg/kg	dermal		rat	OECD Guideline 402 (Acute Dermal Toxicity)
1-Methoxy -2-propanol 107-98-2	LD50	> 2.000 mg/kg	dermal		rat	EU Method B.3 (Acute Toxicity (Dermal))
Ethanol 64-17-5	LD50	> 2.000 mg/kg	dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
1-Butoxypropan-2-ol 5131-66-8	moderately irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
1-Methoxy -2-propanol 107-98-2	not irritating	4 h	rabbit	EU Method B.4 (Acute Toxicity: Dermal Irritation / Corrosion)
Ethanol 64-17-5	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
1-Butoxypropan-2-ol 5131-66-8	irritating	24 h	rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
1-Methoxy -2-propanol 107-98-2	not irritating		rabbit	EU Method B.5 (Acute Toxicity: Eye Irritation / Corrosion)
Ethanol 64-17-5	Category II		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
1-Butoxypropan-2-ol 5131-66-8	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
1-Methoxy -2-propanol 107-98-2	not sensitising	Guinea pig maximisa- tion test	guinea pig	EU Method B.6 (Skin Sensitisation)
Ethanol 64-17-5	not sensitising	Guinea pig maximisa- tion test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Ethanol 64-17-5	not sensitising	Mouse local lymphnod- e assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study/ Route of administration	Metabolic activation/ Exposure time	Species	Method
Dipropylene glycol monomethyl ether 34590-94-8	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test
1-Butoxypropan-2-ol 5131-66-8	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
1-Methoxy -2-propanol 107-98-2	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	negative	mammalian cell gene mutation assay	without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
1-Methoxy -2-propanol 107-98-2	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Ethanol 64-17-5	negative	bacterial reverse mutation assay (e.g Ames test)			OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	in vitro mammalian chromosome aberration test	without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Ethanol 64-17-5	negative				OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)

Carcinogenicity:

Hazardous components CAS-No.	Result	Species	Sex	Exposure time Frequency of treatment	Route of application	Method
1-Methoxy -2-propanol 107-98-2	not carcinogenic	rat	male/female	2 y 6 hr/day, 5 days/wk	inhalation: vapour	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Ethanol 64-17-5		rat			oral: unspecified	not specified
Ethanol 64-17-5		mouse	female		dermal	not specified
Ethanol 64-17-5		mouse	male		inhalation	not specified

Reproductive toxicity:

Hazardous substances CAS-No.	Result / Classification	Species	Exposure time	Species	Method
1-Methoxy-2-propanol 107-98-2	NOAEL P = 300 ppm NOAEL F1 = 1000 ppm NOAEL F2 = 1000 ppm	Two generation study inhalation: vapour		rat	OECD Guideline 416 (Two- Generation Reproduction Toxicity Study)
Ethanol 64-17-5	NOAEL P = 13.800 mg/kg	Two generation study oral: unspecified		mouse	OECD Guideline 416 (Two- Generation Reproduction Toxicity Study)

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Dipropylene glycol monomethyl ether 34590-94-8	NOAEL=> 50 mg/l	inhalation	2 weeks (9 exposures)6 hours/day; 5 days/week	rabbit	not specified
Dipropylene glycol monomethyl ether 34590-94-8	LOAEL=140 ppm	inhalation	2 weeks (9 exposures)6 hours/day; 5 days/week	rabbit	not specified
1-Butoxypropan-2-ol 5131-66-8	LOAEL=1.000 mg/kg	oral: drinking water	13 wdaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
1-Butoxypropan-2-ol 5131-66-8	NOAEL=350 mg/kg	oral: drinking water	13 wdaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
1-Butoxypropan-2-ol 5131-66-8	NOAEL=> 700 ppm	inhalation	2 w6h/d	rat	OECD Guideline 412 (Repeated Dose Inhalation Toxicity: 28/14-Day)
1-Butoxypropan-2-ol 5131-66-8	LOAEL=> 700 ppm	inhalation	2 w6h/d	rat	OECD Guideline 412 (Repeated Dose Inhalation Toxicity: 28/14-Day)
1-Butoxypropan-2-ol 5131-66-8	NOAEL=880 mg/kg		13 wdaily	rat	OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
1-Methoxy-2-propanol 107-98-2	NOAEL=1000 ppm	inhalation	13 weeks6 hours/day; 5 days/week	rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)
1-Methoxy-2-propanol 107-98-2	NOAEL=919 mg/kg	oral: gavage	35 d5 d/w	rat	OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)

SECTION 12: Ecological information**General ecological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Other adverse effects:

Do not empty into drains, soil or bodies of water.

12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Dipropylene glycol monomethyl ether 34590-94-8	LC50	> 1.000 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	not specified
Dipropylene glycol monomethyl ether 34590-94-8	EC50	> 1.000 mg/l	Daphnia	24 h	Daphnia magna	not specified
Dipropylene glycol monomethyl ether 34590-94-8	EC0	1.000 mg/l	Bacteria	30 min		not specified
Dipropylene glycol monomethyl ether 34590-94-8	NOEC	> 0,5 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
1-Butoxypropan-2-ol 5131-66-8	LC50	1.732 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	not specified
1-Butoxypropan-2-ol 5131-66-8	EC50	> 700 mg/l	Daphnia	24 h	Daphnia magna	not specified
1-Butoxypropan-2-ol 5131-66-8	EC50	1.466 mg/l	Algae		Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
1-Butoxypropan-2-ol 5131-66-8	EC0	10.000 mg/l	Bacteria	30 min		not specified
1-Methoxy -2-propanol 107-98-2	LC50	20.800 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
1-Methoxy -2-propanol 107-98-2	EC50	23.300 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
1-Methoxy -2-propanol 107-98-2	EC50	> 1.000 mg/l	Algae	7 d	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
1-Methoxy -2-propanol 107-98-2	EC0	> 1.000 mg/l	Bacteria	30 min		OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Ethanol 64-17-5	LC50	14.200 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Ethanol 64-17-5	EC50	9.268 - 14.221 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Ethanol 64-17-5	EC50	275 mg/l	Algae	72 h	Chlorella vulgaris	OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethanol 64-17-5	EC10	11,5 mg/l	Algae	72 h	Chlorella vulgaris	OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethanol 64-17-5	IC50	> 1.000 mg/l	Bacteria	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Ethanol 64-17-5	NOEC	9,6 mg/l	chronic Daphnia	9 d	Daphnia magna	not specified

12.2. Persistence and degradability**Persistence and degradability:****Degradation of surfactants**

The product does not contain surface-active substances as defined in the EU Detergent Regulation (EC/648/2004).

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
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Dipropylene glycol monomethyl ether 34590-94-8		aerobic	62 - 96 %	EU Method C.9 (Biodegradation: Zahn-Wellens Test)
	readily biodegradable	aerobic	75 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
1-Butoxypropan-2-ol 5131-66-8	readily biodegradable	aerobic	80 - 90 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
1-Methoxy -2-propanol 107-98-2	readily biodegradable	aerobic	90 %	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)
Ethanol 64-17-5	readily biodegradable	aerobic	80 - 85 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
1-Methoxy -2-propanol 107-98-2	-0,49					not specified
Ethanol 64-17-5	-0,35				24 °C	not specified

12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
Dipropylene glycol monomethyl ether 34590-94-8	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
1-Butoxypropan-2-ol 5131-66-8	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
1-Methoxy -2-propanol 107-98-2	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Ethanol 64-17-5	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product disposal:

In consultation with the responsible local authority, must be subjected to special treatment.
Dispose of in accordance with local and national regulations.

Recommended cleaning agents
Clean the packaging with water.

Waste code
070701

Waste code

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

SECTION 14: Transport information

- 14.1. UN number**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.2. UN proper shipping name**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.3. Transport hazard class(es)**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.4. Packing group**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.5. Environmental hazards**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.6. Special precautions for user**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 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**

VOC content 8 %
(2010/75/EU)

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

National regulations/information (Great Britain):

Remarks

Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, e.g COSHH Essentials.
EH40 Occupational Exposure Limits
Chemicals (Hazard Information & Packaging for Supply) Regulations.
The Personnel Protective Equipment at Work Regulations.
The Carriage of Dangerous Goods by Road Regulations.
The Health & Safety at Work Act 1974.
(Note: Use latest editions/amendments of above referenced documents.)

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.