

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date first issue: 01/11/2011 Review date: 20/10/2020 Supersedes: 21/10/2019 Version: 10.0

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

1.1. Product identifier

- Product form Product name
- Product code Type of product

- : Mixture
- : 2WORK CARPET SPOT/STAIN REMOVER
- : 2W07252

: Mixture

: Detergent, Cleaning agent

Product group

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

1.2.1. Relevant identified uses

Industrial/Professional use spec

- : Industrial
- Use of the substance/mixture

For professional use only : Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available 1.3. Details of the supplier of the safety data sheet

VOW EUROPE LTD 1ST FLOOR 1 EUROPA DRIVE SHEFFIELD, S9 1XT T: 0844 980 8000 WWW.VOWEUROPE.COM

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

H319

SECTION 2: Hazards identification 2.1. Classification of the substance or mixture

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

Eye Irrit. 2

Full text of hazard classes and H-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] Hazard pictograms (CLP) :

 GHS07

 CLP Signal word
 : Warning

 Hazard statements (CLP)
 : H319 - Causes serious eye irritation.

 Precautionary statements (CLP)
 : P102 - Keep out of reach of children. P280 - Wear eye protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.

 EUH-statements
 : EUH208 - Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable **3.2. Mixtures**

Product identifier % Name **Classification according to** Regulation (EC) No. 1272/2008 [CLP] 5 – 10 Acute Tox. 4 (Oral), H302 2-butoxyethanol (CAS-no) 111-76-2 (Einecs nr) 203-905-0 Acute Tox. 4 (Dermal), H312 (EG annex nr) 603-014-00-0 Acute Tox, 4 (Inhalation), H332 (REACH-no) 01-2119475108-36 Skin Irrit. 2, H315 Eye Irrit. 2, H319 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-(CAS-no) 61789-40-0; 97862-59-4 3 – 5 Eye Dam. 1, H318 (Einecs nr) 263-058-8 dimethyl-, N-C8-18(even numbered) acyl derivs., Aquatic Chronic 3, H412 hydroxides, inner salts (REACH-no) 01-2119488533-30 (CAS-no) 55965-84-9 Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC < 0.1 Acute Tox. 2 (Inhalation), H330 no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC (Einecs nr) 611-341-5 Acute Tox. 2 (Dermal), H310 no. 220-239-6] (3:1) (EG annex nr) 613-167-00-5 Acute Tox. 3 (Oral), H301 (REACH-no) 01-2120764691-48 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N- dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts	(CAS-no) 61789-40-0; 97862-59-4 (Einecs nr) 263-058-8 (REACH-no) 01-2119488533-30	(4 <c 10)="" 2,="" eye="" h319<br="" irrit.="" ≤="">(10 <c 1,="" 100)="" dam.="" eye="" h318<="" td="" ≤=""></c></c>
Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	(CAS-no) 55965-84-9 (Einecs nr) 611-341-5 (EG annex nr) 613-167-00-5 (REACH-no) 01-2120764691-48	(0.0015 ≤C ≤ 100) Skin Sens. 1A, H317 (0.06 ≤C < 0.6) Eye Irrit. 2, H319 (0.06 ≤C < 0.6) Skin Irrit. 2, H315 (0.6 ≤C ≤ 100) Eye Dam. 1, H318 (0.6 ≤C ≤ 100) Skin Corr. 1C, H314

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures	
General advice	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
Skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effects, Acute effects skin	both acute and delayed : mild skin irritation.
Acute effects eyes	: Causes serious eye irritation. Redness.
Acute effects oral route	: May cause irritation to the digestive tract.
4.3. Indication of any immediate medical at No additional information available	tention and special treatment needed
SECTION 5: Firefighting measures 5.1. Extinguishing media	
Suitable extinguishing media	: Water.
5.2. Special hazards arising from the substa	
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Protection during firefighting

: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

Methods for cleaning up

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Precautions for safe handling

: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

: Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities Storage conditions : Keep container closed when not in use.

Packaging materials

Hygiene measures

: polyethylene.

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)

2-butoxyethanol (111-76-2)		
EU - Occupational Exposure Limits		
Local name	2-Butoxyethanol	
IOELV TWA (mg/m ³)	98 mg/m ³	
IOELV TWA (ppm)	20 ppm	
IOELV STEL (mg/m ³)	246 mg/m ³	
IOELV STEL (ppm)	50 ppm	
Notes	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Ireland - Occupational Exposure Limits		
Local name	2-Butoxyethanol (EGBE) [Ethylene glycol monobutyl ether]	
OEL (8 hours ref) (mg/m ³)	98 mg/m ³	
OEL (8 hours ref) (ppm)	20 ppm	
OEL (15 min ref) (mg/m3)	246 mg/m ³	
OEL (15 min ref) (ppm)	50 ppm	
Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2020	
United Kingdom - Occupational Exposure Limits		
Local name	2-Butoxyethanol	
WEL TWA (mg/m³)	123 mg/m ³	
WEL TWA (ppm)	25 ppm	

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

2-butoxyethanol (111-76-2)		
WEL STEL (mg/m³)	246 mg/m ³	
WEL STEL [ppm]	50 ppm	
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
United Kingdom - Biological limit values		
Local name	2-Butoxyethanol	
United Kingdom (BEI)	240 mmol/mol Creatinine Parameter: butoxyacetic acid - Medium: urine - Sampling time: Post shift	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
8.2. Exposure controls	· · · · · · · · · · · · · · · · · · ·	
Personal protective equipment:		

Avoid all unnecessary exposure.

Eye protection:	
Chemical goggles or safety glasses]
Respiratory protection:	

Not required

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Physical state/form	: Liquid.
Colour	: Pale Orange.
Odour	: Sweet.
Odour threshold	: No data available
рН	: 6.2 – 7
Relative evaporation rate (butylacetate=1)	: No data available
Melting point/range	: 0 °C
Freezing point	: No data available
Boiling point/Boiling range	: 100 °C
Flash point	: No data available
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.007
Solubility	: Soluble in 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	50 /
VOC content	: 50 g/l

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 10: Stability and reactivity 10.1. Reactivity No additional information available 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reactions No dangerous reactions known under normal conditions of use. 10.4. Conditions to avoid No additional information available 10.5. Incompatible materials No additional information available 10.6. Hazardous decomposition products No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (61789-40-0; 97862-59-4)

LD50 oral rat	2335 mg/kg
LD50 dermal rat	> 2000 mg/kg
ATE CLP (oral)	2335 mg/kg

2-butoxyethanol (111-76-2)	
LD50 oral rat	1300 mg/kg
LD50 dermal rat	1100 mg/kg
LC50 Inhalation - Rat [ppm]	4500
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l
LC50 Inhalation - Rat (Vapours)	11 mg/l/4h
ATE CLP (oral)	1300 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (55965-84-9) LD50 oral rat 64 mg/kg

LD50 dermal rat	87.12 mg/kg
LD50 dermal rabbit	78 mg/kg
LC50 Inhalation - Rat	0.33 mg/l/4h
LC50 Inhalation - Rat (Dust/Mist)	0.33 mg/l/4h
ATE CLP (oral)	64 mg/kg bodyweight
ATE CLP (dermal)	78 mg/kg bodyweight
ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	0.33 mg/l/4h
ATE CLP (dust,mist)	0.33 mg/l/4h

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Skin corrosion/irritation	: Not classified
	pH: 6.2 – 7
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Causes serious eye irritation.
	pH: 6.2 – 7
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

2-butoxyethanol (111-76-2)

, , ,	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Appiration borord	. Not clossified
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and	: Based on available data, the classification criteria are not met.
symptoms	
SECTION 12: Ecological information	
12.1. Toxicity	
-	

12.1. Toxicity Hazardous to the aquatic environment, short-term	: Not classified
(acute) Hazardous to the aquatic environment, long-term (chronic)	: Not classified

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (61789-40-0; 97862-59-4)

LC50 fish 1	1.11 mg/l
EC50 Daphnia 1	1.9 mg/l
ErC50 (algae)	2.4 mg/l
NOEC (chronic)	0.135 mg/l

2-butoxyethanol (111-76-2)	
LC50 fish 1	1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 Daphnia 1	1550 mg/l Daphnia magna
EC50 72h algae (1)	1840 mg/l
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic crustacea	100 mg/l Daphnia magna
NOEC chronic algae	130 mg/l

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Mixture of: 5-chloro-2-methyl-4-isothiazolin- 6] (3:1) (55965-84-9)	-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-
LC50 fish 1	0.19 mg/l Rainbow trout
LC50 fish 2	zonnebaars
EC50 Daphnia 1	0.16 mg/l
EC50 other aquatic organisms 1	0.126 mg/l waterflea
EC50 other aquatic organisms 2	0.003 mg/l
EC50 72h algae (1)	0.027 mg/l
ErC50 (algae)	0.003 mg/l Skeletonema costatum
ErC50 (other aquatic plants)	0.018 mg/l selenastrum capricornutum
NOEC chronic fish	0.05 mg/l
NOEC chronic crustacea	0.1 mg/l
NOEC chronic algae	0.0014 mg/l
12.2. Persistence and degradability	
SAS 20	
Persistence and degradability	Biodegradable.
1-Propanaminium, 3-amino-N-(carboxymeth salts (61789-40-0; 97862-59-4)	yl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner
Biodegradation	91.6 % OECD 301 B
2-butoxyethanol (111-76-2)	
Persistence and degradability	Biodegradable.
12.3. Bioaccumulative potential	
SAS 20	
Bioaccumulative potential	No bioaccumulation.
1-Propanaminium, 3-amino-N-(carboxymeth salts (61789-40-0; 97862-59-4)	yl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner
Bioconcentration factor (BCF REACH)	71
Partition coefficient n-octanol/water (Log Kow)	4.2
2-butoxyethanol (111-76-2)	
Log Pow	0.8
Mixture of: 5-chloro-2-methyl-4-isothiazolin- 6] (3:1) (55965-84-9)	-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-
Log Pow	0.4
12.4. Mobility in soil No additional information available 12.5. Results of PBT and vPvB assessment	
SAS 20	
This substance/mixture does not meet the PBT criter	ia of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB crite	
12.6. Other adverse effects Additional information	: Avoid release to the environment.
SECTION 13: Disposal considerations 13.1. Waste treatment methods Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Waste / unused products

: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	ΙΑΤΑ
14.1. UN number		
Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
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

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content	
-------------	--

:	50	g/l

Allergenic fragrances > 0,01%:	
AMYL CINNAMAL	

Detergent Regulation (648/2004/EC): Labelling of contents:	
Component %	
amphoteric surfactants	<5%
METHYLCHLOROISOTHIAZOLINONE (AND) METHYLISOTHIAZOLINONE	
perfumes	

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 16: Other information

```
Data sources
```

: 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.

Other information

: None.

Full text of H- and EUH-statem	ients:
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H - isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

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

Eye Irrit. 2	H319	Calculation method
SDS ELL (DEACH Appay II)		

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.