

# Safety Data Sheet

## **TASKI WIPEOUT**

Revision: 2019-02-12

Version: 01.0

## SECTION 1: Identification of the substance/mixture and supplier

1.1 Product identifier Product name: TASKI WIPEOUT

## 1.2 Recommended use and restrictions on use

Identified uses: Hard surface cleaner Restrictions of use: Uses other than those identified are not recommended

## 1.3 Details of the supplier

Diversey Australia Pty. Limited 29 Chifley St, Smithfield, NSW, 2164, Australia Telephone: 1800 647 779 (toll free) Fax: (02) 9725 5767 Email: aucustserv@diversey.com Website: www.diversey.com/

#### 1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible) Call 1800 033 111 (24hrs)

## **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

Skin irritation, Category 2 Serious eye irritation, Category 2

## 2.2 Label elements



Signal word: Warning

#### Hazard statements:

H315 + H319 - Causes skin and serious eye irritation.

#### Prevention statement(s):

P264 - Wash face, hands and any exposed skin thoroughly after handling. P280 - Wear protective gloves.

#### Response statement(s):

P332 + P313 - If skin irritation occurs: Get medical advice or attention.

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 or attention.

P321 - Specific treatment (see supplemental first aid instructions on this label).

P362 - Take off contaminated clothing.

#### Disposal statement(s):

P501 - Dispose of unused content as chemical waste.

### 2.3 Other hazards

No other hazards known.

## 2.4 Classification diluted product:

Recommended maximum concentration (%): 20

## SECTION 3: Composition/information on ingredients

#### 3.1 Substances / Mixtures

Ingredient(s)	CAS number	EC number	Weight percent
2-butoxyethanol	111-76-2	203-905-0	3-10
2-aminoethanol	141-43-5	205-483-3	1-3

[4] Polymer.

Non-hazardous ingredients are the remainder and add up to 100%.

Workplace exposure limit(s), if available, are listed in subsection 8.1.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures Inhalation: Get medical attention or advice if you feel unwell. Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice Skin contact: or attention. Eye contact: Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. If irritation occurs and persists, get medical attention. Ingestion: Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell. Self-protection of first aider: Consider personal protective equipment as indicated in subsection 8.2. First aid facilities: Eyewash facilities should be considered in a workplace where necessary. 4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	No known effects or symptoms in normal use.
Skin contact:	Causes irritation.
Eye contact:	Causes severe irritation.
Indestion:	No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

**Poison Information Center:** 

Call 13 11 26 (Australia Wide).

## SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

# 5.2 Special hazards arising from the substance or mixture No special hazards known.

#### 5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

#### 5.4 Hazchem code

None allocated

## SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable gloves.

#### 6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.

#### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

#### 6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Measures to prevent fire and explosions:

No special precautions required.

#### Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

#### Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless adviced by Diversey. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing. Wash contaminated clothing before reuse. Avoid contact with eyes. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

#### 7.3 Specific end use(s)

No specific advice for end use available.

## SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters Workplace exposure limits

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Air limit values, if available:			
Ingredient(s)	Long term value(s)	Short term value(s)	Peak value(s)
	(TWA)	(STEL)	
2-butoxyethanol	20 ppm	50 ppm	
	96.9 mg/m <sup>3</sup>	242 mg/m <sup>3</sup>	
2-aminoethanol	3 ppm	6 ppm	
	7.5 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	

Biological limit values, if available:

#### 8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product: Covering activities such as filling and transfer of product to application equipment, flasks or buckets

Appropriate engineering controls:	If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required.
Appropriate organisational controls:	Avoid direct contact and/or splashes where possible. Train personnel.
Personal protective equipment	
Eye / face protection:	Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 166).
Hand protection:	Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature. Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mm Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm In consultation with the supplier of protective gloves a different type providing similar protection may
	be chosen.
Body protection:	No special requirements under normal use conditions.
Respiratory protection:	No special requirements under normal use conditions.
Environmental exposure controls:	No special requirements under normal use conditions.

Recommended safety measures for handling the <u>diluted</u> product:

#### Recommended maximum concentration (%): 20

Appropriate engineering controls:	No special requirements under normal use conditions.
Appropriate organisational controls:	No special requirements under normal use conditions.

Personal protective equipment Eye / face protection: Hand protection: Body protection: Respiratory protection:

No special requirements under normal use conditions. No special requirements under normal use conditions. No special requirements under normal use conditions. No special requirements under normal use conditions.

Environmental exposure controls:

No special requirements under normal use conditions.

## **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Physical State: Liquid Colour: Clear, from Yellow - to Green Odour: Slightly perfumed Odour threshold: Not applicable **pH:** ≈ 11.05 (neat) Melting point/freezing point (°C): Not determined Initial boiling point and boiling range (°C): Not determined Flammability (liquid): Not flammable. Flash point (°C): > 100 Sustained combustion: Not applicable. (UN Manual of Tests and Criteria, section 32, L.2) Evaporation rate: Not determined Flammability (solid, gas): Not applicable to liquids Upper/lower flammability limit (%): Not determined Vapour pressure: Not determined Vapour density: Not determined Relative density: ≈ 1.005 (20 °C) Solubility in / Miscibility with Water: Fully miscible Partition coefficient: n-octanol/water No information available. Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3 Autoignition temperature: Not determined Decomposition temperature: Not applicable. Viscosity: Not determined Explosive properties: Not explosive. Oxidising properties: Not oxidising

## Method / remark

ISO 4316 Not relevant to classification of this product

closed cup

Not relevant to classification of this product

Not relevant to classification of this product OECD 109 (EU A.3)

#### 9.2 Other information

Surface tension (N/m): Not determined Corrosion to metals: Not corrosive

## SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

#### 10.2 Chemical stability

Stable under normal storage and use conditions.

#### 10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

#### 10.4 Conditions to avoid

None known under normal storage and use conditions.

### 10.5 Incompatible materials

Reacts with acids.

### **10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

## **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

Mixture data:.

## Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

ATE - Dermal (mg/kg): >2000 ATE - Inhalatory, vapours (mg/l): 110

Substance data, where relevant and available, are listed below:.

#### Acute toxicity itv

Acute oral toxicity					
Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
2-butoxyethanol	LD 50	1746	Rat	Method not given	
2-aminoethanol	LD 50	1089	Rat	OECD 401 (EU B.1)	

#### Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
2-butoxyethanol	LD 50	6411		Method not given	
2-aminoethanol	LD 50	2000	Rabbit	Method not given	

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
2-butoxyethanol	LC 50	> 2 (mist) No mortality observed	Rat	Method not given	4
2-aminoethanol	LC 50	No mortality observed	Rat	Method not given	4

#### Irritation and corrosivity Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
2-butoxyethanol	Irritant	Rabbit	OECD 404 (EU B.4)	24; 48; 72 hour(s)
2-aminoethanol	Corrosive	Rabbit	OECD 404 (EU B.4)	

Eve	irritation	and	corrosivity
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Ingredient(s)	Result	Species	Method	Exposure time
2-butoxyethanol	Irritant	Rabbit	OECD 405 (EU B.5)	24; 48; 72 hour(s)
2-aminoethanol	Severe damage	Rabbit	OECD 405 (EU B.5)	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
2-butoxyethanol	No data available			
2-aminoethanol	Irritating to respiratory tract		Method not given	

#### Sensitisation Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
2-butoxyethanol	Not sensitising	Guinea pig	OECD 406 (EU B.6) /	
			GPMT	
2-aminoethanol	Not sensitising	Guinea pig	OECD 406 (EU B.6) /	
			GPMT	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
2-butoxyethanol	No data available			
2-aminoethanol	No data available			

# CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
2-butoxyethanol		OECD 471 (EU B.12/13) OECD 476 (Chinese Hamster Ovary)		OECD 474 (EU B.12)
2-aminoethanol	test results	OECD 471 (EU B.12/13) OECD 473 OECD 476 (Mouse lymphoma)	test results	OECD 474 (EU B.12)

Carcinogenicity

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Ingredient(s)
                                       Effect
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2-butoxyethanol	No evidence for carcinogenicity, negative test results
2-aminoethanol	No evidence for carcinogenicity, weight-of-evidence

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
2-butoxyethanol			No data			ume	reported
2-buloxyelinarioi			available				
2-aminoethanol	NOAEL	Developmental toxicity	> 75	Rabbit	OECD 414	6 - 15 day(s)	No evidence for developmental
					(EU B.31),		toxicity No evidence for
					oral		reproductive toxicity

#### Repeated dose toxicity Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (davs)	Specific effects and organs affected
2-butoxyethanol		No data available			unic (days)	ancolou
2-aminoethanol	NOAEL	300	Rat		75	

#### Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value	Species	Method		Specific effects and organs
		(mg/kg bw/d)			time (days)	affected
2-butoxyethanol		No data				
		available				
2-aminoethanol		No data				
		available				

#### Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
2-butoxyethanol		No data				
		available				
2-aminoethanol		No data				
		available				

#### Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
2-butoxyethanol			No data					
			available					
2-aminoethanol			No data					
			available					

#### STOT-single exposure

Ingredient(s)	Affected organ(s)
2-butoxyethanol	No data available
2-aminoethanol	Respiratory tract

#### STOT-repeated exposure

Ingredient(s)	Affected organ(s)
2-butoxyethanol	No data available
2-aminoethanol	No data available

#### Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

#### Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

#### Aquatic short-term toxicity Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
2-butoxyethanol	LC 50	> 100	Oncorhynchus	OECD 203, static	96
			mykiss		
2-aminoethanol	LC 50	349	Cyprinus carpio	OECD 203 (EU C.1)	96

Aquatic short-term	toxicity	- crustacea	
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Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
2-butoxyethanol	EC 50	> 100	Daphnia magna Straus	OECD 202, static	48
2-aminoethanol	EC 50	65	Daphnia magna Straus	OECD 202, static	48

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
2-butoxyethanol	EC 50	> 100	Pseudokirchner iella	OECD 201, static	72
			subcapitata		
2-aminoethanol	EC 50	2.8	Pseudokirchner	OECD 201 (EU C.3)	72
			iella subcapitata		

#### Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
2-butoxyethanol		No data available			-
2-aminoethanol		No data available			-

Impact on sewage plants - toxicity to bacteria					
Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
2-butoxyethanol	EC o	700	Pseudomonas putida	Method not given	16 hour(s)
2-aminoethanol	EC 50	> 1000	Activated sludge	DIN EN ISO 8192-OECD 209-88/302/EEC	3 hour(s)

# Aquatic long-term toxicity Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
2-butoxyethanol	NOEC	> 100	Danio rerio	OECD 204	21 day(s)	
2-aminoethanol	NOEC	1.2	Oryzias latipes	OECD 210	30 day(s)	

#### Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
2-butoxyethanol	NOEC	100	Daphnia	OECD 211	21 day(s)	
			magna			
2-aminoethanol	NOEC	0.85	Daphnia	OECD 202	21 day(s)	
			magna			

### Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Effects observed
		(mg/kg dw			time (days)	
		sediment)				
2-butoxyethanol		No data			-	
		available				
2-aminoethanol		No data			-	
		available				

Terrestrial toxicity Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Effects observed
		(mg/kg dw			time (days)	
		soil)				
2-butoxyethanol		No data			-	
		available				
2-aminoethanol		No data			-	
		available				

## Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Effects observed
		(mg/kg dw			time (days)	
		soil)				
2-butoxyethanol		No data			-	
		available				
2-aminoethanol		No data			-	
		available				

Terrestrial toxicity - birds, if available:

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Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	
2-butoxyethanol		No data			-	
		available				
2-aminoethanol		No data			-	
		available				

#### Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
2-butoxyethanol		No data			-	
		available				
2-aminoethanol		No data			-	
		available				

#### Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Effects observed
		(mg/kg dw			time (days)	
		soil)				
2-butoxyethanol		No data			-	
		available				
2-aminoethanol		No data			-	
		available				

## 12.2 Persistence and degradability

#### Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

#### **Biodegradation** Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT 50	Method	Evaluation
2-butoxyethanol		CO <sub>2</sub> production	90.4 % in 28 day(s)	OECD 301B	Readily biodegradable
2-aminoethanol		DOC reduction	> 90 % in 21 day(s)	OECD 301A	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

#### **12.3 Bioaccumulative potential** Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
2-butoxyethanol	0.81	OECD 107	Low potential for bioaccumulation	
2-aminoethanol	- 1.91	OECD 107	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
2-butoxyethanol	No data available				
2-aminoethanol	No data available				

#### 12.4 Mobility in soil

Adsorption/Desorption to soil or sediment					
Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
2-butoxyethanol	No data available				Potential for mobility in soil, soluble in water
2-aminoethanol	0.067		Model calculation		Potential for mobility in soil, soluble in water Adsorption to solid soil phase is not expected

## 12.5 Other adverse effects

No other adverse effects known.

## SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods Waste from residues / unused products:

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging

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material is suitable for energy recovery or recycling in line with local legislation.

## **SECTION 14: Transport information**

#### ADG, IMO/IMDG, ICAO/IATA

#### 14.1 UN number: Non-dangerous goods

14.2 UN proper shipping name: Non-dangerous goods

- 14.3 Transport hazard class(es): Non-dangerous goods
- 14.4 Packing group: Non-dangerous goods
- 14.5 Environmental hazards: Non-dangerous goods
- Environmentally hazardous: No
  - Marine pollutant: No
- 14.6 Special precautions for user: Non-dangerous goods

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: The product is not transported in bulk tankers.

### Non-dangerous goods

## Other relevant information:

#### Hazchem code: None allocated

The product has been classified, labelled and packaged in accordance with the requirements of ADG7.5 Code and the provisions of the IMDG Code.

Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

## SECTION 15: Regulatory information

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

National regulations	Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by Safework Australia.
Poison schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Classification	Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by Safework Australia.
Inventory listing(s)	AICS (Australian Inventory of Chemical Substances): All components are listed on AICS, or are exempt.

## **SECTION 16: Other information**

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

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#### **SDS code:** MS31000929

Additional information: Respirators: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

**Work practices - solvents:** Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.

Exposure standards - Time Weighted Average (TWA) or Workplace Exposure Standard (WES) (NZ): Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

**Personal protective equipment guidelines:** The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**Health effects from exposure:** It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Safety Data Sheet which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

## Abbreviations and acronyms:

- Abbreviations and acronyms: DNEL Derived No Effect Limit AUH GHS Specific hazard statement PNEC Predicted No Effect Concentration ATE Acute Toxicity Estimate LD50 Lethal Dose, 50% / Median Lethal dose LC50 Lethal Concentration, 50% / Median Lethal Concentration EC50 effective concentration, 50% NOEL No observed effect level NOAEL No observed adverse effect level

- NOAEL No observed adverse effect level
  STOT-RE Specific target organ toxicity (repeated exposure)
  STOT-SE Specific target organ toxicity (single exposure)
  EC No. European Community Number
  OECD Organization for Economic Cooperation and Development

End of Safety Data Sheet