



## Safety data sheet

According to Annex II to REACH – Regulation 2015/830

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Code: **U01215**  
Product name: **PERFORMA 60 E/BD**

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

Intended use: **Metalworking fluid for mechanical machining.**  
Uses advised against: **Different uses than those intended.**

#### 1.3. Details of the supplier of the safety data sheet

Name: **CENTRO DISTRIBUZIONE UTENSILI SCPA**  
Full address: **Via delle Gerole, 19**  
District and Country: **20867 CAPONAGO (MB)**  
**ITALY**  
tel. **+39 02 95746081**  
fax. **+ 39 02 95745182**

e-mail address of the competent person

responsible for the Safety Data Sheet

Product distribution by:

**info@cdu.net**  
**Centro Distribuzione Utensili Scpa**

#### 1.4. Emergency telephone number

For urgent inquiries refer to

**+39 02 95746081 during office hours 8.30-12.30 - 13.30-17.30.**

### SECTION 2. Hazards identification

#### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2	H319	Causes serious eye irritation.
Skin sensitization, category 1A	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

Signal words: **WARNING**

Hazard statements:

**H319** Causes serious eye irritation.  
**H317** May cause an allergic skin reaction.  
**H412** Harmful to aquatic life with long lasting effects.  
**EUH208** Contains:  
N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE, N,N-BIS (2-ETHYLHEXYL)- 4 -  
METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-



ETHYLHEXYL)-4-METHYL-, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-5-METHYL-, 1H-BENZOTRIAZOLE-1-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-6-METHYL-(MIXTURE)  
May produce an allergic reaction.

## Precautionary statements:

<b>P261</b>	Avoid breathing dust / fume / gas / mist / vapours.
<b>P273</b>	Avoid release to the environment.
<b>P280</b>	Wear protective gloves / eye protection / face protection.
<b>P333+P313</b>	If skin irritation or rash occurs: Get medical advice / attention.
<b>P337+P313</b>	If eye irritation persists: Get medical advice / attention.
<b>P362+P364</b>	Take off contaminated clothing and wash it before reuse.

## Contains:

N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE, N,N-BIS (2-ETHYLHEXYL)- 4 - METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-4-METHYL-, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-5-METHYL-, 1H-BENZOTRIAZOLE-1-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-6-METHYL-(MIXTURE)

"For professional and industrial uses"

## 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

**SECTION 3. Composition/information on ingredients**

## 3.1. Substances

Information not relevant.

## 3.2. Mixtures

Contains:

Identification	x=Conc. %	Classification 1272/2008 (CLP)
<b>DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC</b>		
CAS 64742-53-6	62,9 ≤ x ≤ 72,9	Asp. Tox. 1 H304, Note H L
EC 265-156-6		
INDEX 649-466-00-2		
Reg. no. 01-2119480375-34		
<b>FATTY ACIDS, TALL-OIL, COMPDS. WITH TRIETHANOLAMINE</b>		
CAS 68132-46-7	5,35 ≤ x ≤ 8,35	Eye Irrit. 2 H319
EC 268-638-4		
INDEX -		
<b>SULFONIC ACIDS, PETROLEUM, SODIUM SALTS</b>		
CAS 68608-26-4	0,50 ≤ x ≤ 1,93	Eye Irrit. 2 H319
EC 271-781-5		
INDEX -		
Reg. no. 01-2119527859-22		
<b>2-PHENOXYETHANOL</b>		
CAS 122-99-6	0,50 ≤ x ≤ 1,31	Acute Tox. 4 H302, Eye Irrit. 2 H319
EC 204-589-7		
INDEX 603-098-00-9		
Reg. no. 01-2119488943-21		
<b>2-(2-BUTOXYETHOXY)ETHANOL</b>		
CAS 112-34-5	0,50 ≤ x ≤ 0,97	Eye Irrit. 2 H319
EC 203-961-6		
INDEX 603-096-00-8		
Reg. no. 01-2119475104-44		
<b>N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE, N,N-BIS (2-ETHYLHEXYL)- 4 -METHYL-1H-</b>		

**BENZOTRIAZOLE-1-METHYLAMINE, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-4-METHYL-, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-5-METHYL-, 1H-BENZOTRIAZOLE-1-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-6-METHYL-(MIXTURE)**CAS -  $0,1 \leq x \leq 0,3$  Skin Irrit. 2 H315, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1

EC 939-700-4

INDEX -

Reg. no. 01-2119982395-25

**BIPHENYL-2-OL**CAS 90-43-7  $0,1 \leq x \leq 0,28$  Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1

EC 201-993-5

INDEX 604-020-00-6

Reg. no. 01-2119511183-53

**ETHANEDIOL**CAS 107-21-1  $0,0 \leq x \leq 0,001$  Acute Tox. 4 H302, STOT RE 2 H373

EC 203-473-3

INDEX 603-027-00-1

Reg. no. 01-2119456816-28

The full wording of hazard (H) phrases is given in section 16 of the sheet.

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

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available.

**SECTION 5. Firefighting measures****5.1. Extinguishing media**

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

**5.2. Special hazards arising from the substance or mixture**

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

**5.3. Advice for firefighters**

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained





## PERFORMA 60 E/BD

Inhalation

5,4 mg/m3 VND

## SULFONIC ACIDS, PETROLEUM, SODIUM SALTS

Threshold Limit Value Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH		5		10	

## 2-PHENOXYETHANOL

Threshold Limit Value Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	110	20	220	40	SKIN
MAK	DEU	110	20	220	40	SKIN
HTP	FIN	110	20	290	50	SKIN
NDS	POL	230				

## Predicted no-effect concentration - PNEC

Normal value in fresh water	0,943	mg/l
Normal value in marine water	0,0943	mg/l
Normal value for fresh water sediment	7,2366	mg/kg
Normal value for marine water sediment	0,7237	mg/kg
Normal value for water, intermittent release	3,44	mg/l
Normal value of STP microorganisms	24,8	mg/l
Normal value for the terrestrial compartment	1,26	mg/kg

## Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers Acute local	Acute systemic	Chronic local	Chronic systemic	Effects on workers			
					Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		17,43 mg/kg		17,43 mg/kg				
Inhalation	2,5 mg/m3		2,5 mg/m3				8,07 mg/m3	8,07 mg/m3
Skin				20,83 mg/kg				34,72 mg/kg

## 2-(2-BUTOXYETHOXY)ETHANOL

Threshold Limit Value Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	67	10	100,5	15	
MAK	DEU	67	10	100,5	15	
TLV	DNK	100		200		
VLA	ESP	67,5	10	101,2	15	
HTP	FIN	68	10			
VLEP	FRA	67,5	10	101,2	15	
WEL	GBR	67,5	10	101,2	15	
VLEP	ITA	67,5	10	101,2	15	
OEL	NLD	50		100		SKIN
NDS	POL	67		100		
VLE	PRT	67,5	10	101,2	15	
OEL	EU	67,5	10	101,2	15	
TLV-ACGIH		67,5	10	101,2	15	

## Predicted no-effect concentration - PNEC

Normal value in fresh water	1	mg/l
Normal value in marine water	0,1	mg/l
Normal value for fresh water sediment	4	mg/kg



Normal value for water, intermittent release

3,9

mg/l

Normal value for the terrestrial compartment

0,4

mg/kg

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers			Effects on workers			Chronic systemic
	Acute local	Acute systemic	Chronic local	Acute local	Acute systemic	Chronic local	
Oral							1,25 mg/kg
Inhalation	50,6 mg/m3		34 mg/m3		101,2 mg/m3	67,5 mg/m3	67,5 mg/m3
Skin							20 mg/kg

**ETHANEDIOL****Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	26	10	52	20	SKIN
MAK	DEU	26	10	52	20	SKIN
TLV	DNK	26	10			SKIN
VLA	ESP	52	20	104	40	SKIN
HTP	FIN	50	20	100	40	SKIN
VLEP	FRA	52	20	104	40	SKIN
WEL	GBR	52	20	104	40	
VLEP	ITA	52	20	104	40	SKIN
OEL	NLD	52		104		SKIN
NDS	POL	15		20		
VLE	PRT	52	20	104	40	SKIN
OEL	EU	52	20	104	40	SKIN
TLV-ACGIH				100 (C)		

**Predicted no-effect concentration - PNEC**

Normal value in fresh water	10	mg/l
Normal value in marine water	1	mg/l
Normal value for fresh water sediment	37	mg/kg
Normal value for marine water sediment	3,7	mg/kg
Normal value for water, intermittent release	10	mg/l
Normal value of STP microorganisms	199,5	mg/l
Normal value for the terrestrial compartment	1,53	mg/kg

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers			Effects on workers			Chronic systemic
	Acute local	Acute systemic	Chronic local	Acute local	Acute systemic	Chronic local	
Inhalation	VND	7 mg/m3				35 mg/m3	VND
Skin			VND		53 mg/kg	VND	106 mg/kg

**Legend:**

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available; NEA = no exposure expected; NPI = no hazard identified.

**8.2. Exposure controls**

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

**HAND PROTECTION**

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration



and type of use.

#### SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

#### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

## SECTION 9. Physical and chemical properties

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

Appearance	liquid
Colour	amber
Odour	characteristic
Odour threshold	Not available
pH	8,83 Sol.5%
Melting point / freezing point	Not available
Initial boiling point	> 100 °C
Boiling range	Not available
Flash point	> 125 °C
Evaporation Rate	Not available
Flammability of solids and gases	Not available
Lower flammability limit	Not available
Upper flammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	0,91 – 0,93 Kg/l (20°C)
Solubility	emulsifiable in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	>20,5 mm <sup>2</sup> /sec (40°C)
Explosive properties	Not available
Oxidising properties	Not available

### 9.2. Other information

VOC (Directive 2010/75/EC) :	1,31 % - 12,02 g/litre
VOC (volatile carbon) :	0,91 % - 8,35 g/litre

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

#### 2-PHENOXYETHANOL


In water at 1% reacts to form a weak acid (pH=6).

#### ETHANEDIOL

In the air absorbs moisture. Decomposes at temperatures above 200°C/392°F.

### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

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### 10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

#### 2-PHENOXYETHANOL

May form explosive mixtures with: air.

#### 2-(2-BUTOXYETHOXY)ETHANOL

May react with: oxidising substances. May form peroxides with: oxygen. Develops hydrogen on contact with: aluminium. May form explosive mixtures with: air.

#### ETHANEDIOL

Risk of explosion on contact with: perchloric acid. May react dangerously with: chlorosulphuric acid, sodium hydroxide, sulphuric acid, phosphorus pentasulphide, chromium (III) oxide, chromyl chloride, potassium perchlorate, potassium dichromate, sodium peroxide, aluminium. Forms explosive mixtures with: air.

### 10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

#### DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

Avoid exposure to: sources of heat.

#### 2-PHENOXYETHANOL

Avoid exposure to: moist air, heat, light.

#### ETHANEDIOL

Avoid exposure to: sources of heat, naked flames.

### 10.5. Incompatible materials

#### DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

Keep away from: oxidising agents.

#### 2-PHENOXYETHANOL

Incompatible with: strong oxidants.

#### 2-(2-BUTOXYETHOXY)ETHANOL

Incompatible with: oxidising substances, strong acids, alkaline metals.

### 10.6. Hazardous decomposition products

#### DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

When heated to decomposition releases: carbon monoxide, sulphuric acid, sulphur oxides.

#### 2-(2-BUTOXYETHOXY)ETHANOL

May develop: hydrogen.

#### ETHANEDIOL

May develop: hydroxyacetaldehyde, glyoxal, acetaldehyde, methane, carbon monoxide, hydrogen.

## SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

### 11.1. Information on toxicological effects

#### Metabolism, toxicokinetics, mechanism of action and other information

Information not available.

#### Information on likely routes of exposure

##### 2-(2-BUTOXYETHOXY)ETHANOL

WORKERS: inhalation; contact with the skin.

##### ETHANEDIOL

WORKERS: inhalation; contact with the skin.

POPULATION: inhalation of ambient air; contact with the skin of products containing the substance.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

##### 2-(2-BUTOXYETHOXY)ETHANOL

May be absorbed by inhalation, ingestion and skin contact; is irritating for the skin and especially for the eyes. May cause damage to the spleen. At room





temperature the danger of inhalation is unlikely, due to the low vapour pressure of the substance.

**ETHANEDIOL**

Ingestion initially stimulates the central nervous system; later replaced by a phase of depression. There may be kidney damage, with anuria and uremia. Over-exposure symptoms are: vomiting, drowsiness, difficulty in breathing, convulsions. The lethal dose for humans is approx. 1.4 ml/kg.

Interactive effects

Information not available.

ACUTE TOXICITY

LC50 (Inhalation - vapours) of the mixture:

Not classified (no significant component)

LC50 (Inhalation - mists / powders) of the mixture:

Not classified (no significant component)

LD50 (Oral) of the mixture:

>2000 mg/kg

LD50 (Dermal) of the mixture:

Not classified (no significant component)

**SULFONIC ACIDS, PETROLEUM, SODIUM SALTS**

LD50 (Oral)

> 2000 mg/kg Rat

**BIPHENYL-2-OL**

LD50 (Dermal)

> 5000 mg/kg Rat

**DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC**

LD50 (Oral)

> 5000 mg/kg Rat - API 1986a

LD50 (Dermal)

> 5000 mg/kg Rabbit - API 1982

LC50 (Inhalation)

> 5,53 mg/l/4h Rat - EMBSI 1988a

**2-PHENOXYETHANOL**

LD50 (Oral)

> 300 mg/kg Rat

LD50 (Dermal)

> 5000 mg/kg bw Rabbit

LC50 (Inhalation)

> 1000 mg/m<sup>3</sup> Rat

**2-(2-BUTOXYETHOXY)ETHANOL**

LD50 (Oral)

2410 mg/kg Rat

LD50 (Dermal)

2764 mg/kg Rabbit

**ETHANEDIOL**

LD50 (Oral)

7712 mg/kg Rat

LD50 (Dermal)

> 3500 mg/kg Rat

LC50 (Inhalation)

> 2,5 mg/l Rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class.

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation.

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin. May produce an allergic reaction.

Contains:

N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE, N,N-BIS(2-ETHYLHEXYL)-4-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-4-METHYL-, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-5-METHYL-, 1H-BENZOTRIAZOLE-1-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-6-METHYL-(MIXTURE)

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class.

CARCINOGENICITY

Does not meet the classification criteria for this hazard class.

**ETHANEDIOL**

Available studies have shown no carcinogenic potential. In a carcinogenicity study lasting two years, carried out by the US National Toxicology Program (NTP), in which ethylene glycol was administered in the feed, "no evidence of carcinogenic activity" in male and female B6C3F1 mice was observed (NTP, 1993).

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class.

**STOT - SINGLE EXPOSURE**

Does not meet the classification criteria for this hazard class.

**STOT - REPEATED EXPOSURE**

Does not meet the classification criteria for this hazard class.

**ASPIRATION HAZARD**Does not meet the classification criteria for this hazard class. Viscosity: >20,5 mm<sup>2</sup>/sec (40°C).**SECTION 12. Ecological information**

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

**12.1. Toxicity**

## DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

LC50 - for Fish &gt; 100 mg/l/96h Fish

## 2-PHENOXYETHANOL

LC50 - for Fish &gt; 100 mg/l/96h Pimephales promelas

EC50 - for Crustacea &gt; 100 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants &gt; 100 mg/l/72h Desmodemus subspicatus

Chronic NOEC for Fish &gt; 1 mg/l Pimephales promelas

Chronic NOEC for Crustacea &gt; 1 mg/l Daphnia magna (OECD - 211)

## 2-(2-BUTOXYETHOXY)ETHANOL

LC50 - for Fish 1300 mg/l/96h Lepomis macrochirus

EC50 - for Crustacea &gt; 100 mg/l/48h Daphnia magna

## ETHANEDIOL

LC50 - for Fish 72860 mg/l/96h Pimephales promelas

EC50 - for Crustacea &gt; 100 mg/l/48h Daphnia magna

Chronic NOEC for Fish 15380 mg/l Pimephales promelas

Chronic NOEC for Crustacea 8590 mg/l Ceriodaphnia sp.

## N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE, N,N-BIS(2-ETHYLHEXYL)-4-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-4-METHYL-, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-5-METHYL-, 1H-BENZOTRIAZOLE-1-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-6-METHYL-(MIXTURE)

LC50 - for Fish &gt; 1 mg/l/96h

EC50 - for Crustacea &gt; 1 mg/l/48h Daphnia

**12.2. Persistence and degradability**

## BIPHENYL-2-OL

Solubility in water 1200 g/l

Rapidly biodegradable.

## DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

Solubility in water Insoluble

Entirely biodegradable.

**2-PHENOXYETHANOL**

Solubility in water 24000 mg/l

Rapidly biodegradable.

**2-(2-BUTOXYETHOXY)ETHANOL**

Rapidly biodegradable.

**ETHANEDIOL**

Solubility in water 1000 - 10000 mg/l

Rapidly biodegradable.

N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE, N,N-BIS(2-ETHYLHEXYL)-4-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-4-METHYL-, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-5-METHYL-, 1H-BENZOTRIAZOLE-1-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-6-METHYL-(MIXTURE)

Solubility in water Insoluble

Biodegradability: Information not available.

**12.3. Bioaccumulative potential****BIPHENYL-2-OL**Partition coefficient: n-octanol/water 3 Log Kow  
BCF 22**DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC**Partition coefficient: n-octanol/water > 3 Log Kow  
BCF < 500**2-PHENOXYETHANOL**Partition coefficient: n-octanol/water 1,2  
BCF 0,3493**ETHANEDIOL**

Partition coefficient: n-octanol/water -1,36

N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE, N,N-BIS(2-ETHYLHEXYL)-4-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-4-METHYL-, 2H-BENZOTRIAZOLE-2-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-5-METHYL-, 1H-BENZOTRIAZOLE-1-METHANAMINE, N,N-BIS(2-ETHYLHEXYL)-6-METHYL-(MIXTURE)

Partition coefficient: n-octanol/water 7,5

**12.4. Mobility in soil****2-PHENOXYETHANOL**

Partition coefficient: soil/water 1,6

**12.5. Results of PBT and vPvB assessment**

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

**12.6. Other adverse effects**

Information not available.

**SECTION 13. Disposal considerations**

**13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

**CONTAMINATED PACKAGING**

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**SECTION 14. Transport information**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

Not applicable.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Not applicable.

**14.6. Special precautions for user**

Not applicable.

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

Information not relevant.

**SECTION 15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3

Contained substance

Point 55 2-(2-BUTOXYETHOXY)ETHANOL Reg. no.: 01-2119475104-44

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.



#### Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

#### German regulation on the classification of substances hazardous to water (VwVwS 2005)

WGK 2: Hazard to waters

#### 15.2. Chemical safety assessment

No chemical safety assessment for the mixture was carried out.


### SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Asp. Tox. 1</b>	Aspiration hazard, category 1
<b>STOT RE 2</b>	Specific target organ toxicity - repeated exposure, category 2
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>Skin Sens. 1</b>	Skin sensitization, category 1
<b>Skin Sens. 1A</b>	Skin sensitization, category 1A
<b>Skin Sens. 1B</b>	Skin sensitization, category 1B
<b>Aquatic Acute 1</b>	Hazardous to the aquatic environment, acute toxicity, category 1
<b>Aquatic Chronic 1</b>	Hazardous to the aquatic environment, chronic toxicity, category 1
<b>Aquatic Chronic 3</b>	Hazardous to the aquatic environment, chronic toxicity, category 3
<b>H302</b>	Harmful if swallowed.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>H412</b>	Harmful to aquatic life with long lasting effects.

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level

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- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

#### GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
  2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
  3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
  4. Regulation (EU) 2015/830 of the European Parliament
  5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
  6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
  7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
  8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
  9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
  10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
  11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - IFA GESTIS website
  - ECHA website
  - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

#### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.