# Section: 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name : Eltra

UFI : 4N1C-1MAC-PC08-KKHX

Product code : 116761E

Use of the

Substance/Mixture

Disinfectant

Substance type: : Mixture

For professional users only.

Product dilution information : No dilution information provided.

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

Identified uses : Laundry detergent. Manual process

Disinfection product. Semi-automatic process

Recommended restrictions

on use

: Reserved for industrial and professional use.

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

Company : Ecolab Deutschland GmbH

Ecolab-Allee 1

40789 Monheim am Rhein, Germany +49 (0)2173 599 0

OfficeService.DEDUS@ecolab.com

#### 1.4 Emergency telephone number

Emergency telephone

number

: +32-(0)3-575-5555 Trans-european, German speaking, 24/7

or +49 32 212249407 German speaking, 24/7

Poison Information Centre

telephone number

: +49 (0)551 38318854

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## **Section: 2. HAZARDS IDENTIFICATION**

#### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

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Not a hazardous substance or mixture.

The classification of this product is based on toxicological assessment.

#### 2.2 Label elements

## Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

## **Additional Labelling:**

mixtures

Special labelling of certain : Safety data sheet available on request.

#### 2.3 Other hazards

None known.

## Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

## 3.2 Mixtures

## **Hazardous components**

Chemical Name	CAS-No.	Classification	Concentration
	EC-No.	REGULATION (EC) No 1272/2008	: [%]
	REACH No.	, ,	
Sodium carbonate	15630-89-4	Oxidizing solids Category 3; H272	>= 10 - < 20
peroxyhydrate	239-707-6	Acute toxicity Category 4; H302	
	01-2119457268-30	Serious eye damage Category 1; H318	
		Serious eye damage/eye irritation	
		Category 1	
		25 - 100 %	
		Serious eye damage/eye irritation Category 2A	
		10 - 25 %	
		Serious eye damage/eye irritation	
		Category 2B	
		1 - 10 %	
		Oxidizing solids Category 3	
		70 - 100 %	
benzenesulfonic acid,	68411-30-3	Acute toxicity Category 4; H302	>= 5 - < 10
C10-13- alkyl derivs.,	270-115-0	Skin irritation Category 2; H315	
sodium salt	01-2119489428-22	Serious eye damage Category 1; H318	
		Chronic aquatic toxicity Category 3; H412	
	/=- /		
Sodium Carbonate	497-19-8	Eye irritation Category 2; H319	>= 2.5 - < 5
	207-838-8		
On divers will and	01-2119485498-19	Object	0.5
Sodium silicate	1344-09-8 215-687-4	Skin corrosion Category 1B; H314 Serious eye damage Category 1; H318	>= 2.5 - < 3
	01-2119448725-31	Specific target organ toxicity - single	
	01-2119440720-31	exposure Category 3; H335	
		exposure Galegory 3, 11333	
		Serious eye damage/eye irritation	
		Category 1	
		>= 28 %	
		Serious eye damage/eye irritation	
		Category 2A	
		24 - < 28 %	
		Skin corrosion/irritation Category 1B	

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		>= 39 % Skin corrosion/irritation Category 2 24 - < 39 % Specific target organ toxicity - single exposure Category 3 >= 24 %	
Alcohols, C13-15, branched and linear, ethoxylated (7EO)	157627-86-6 POLYMER	Acute toxicity Category 4; H302 Serious eye damage Category 1; H318 Chronic aquatic toxicity Category 3; H412	>= 2.5 - < 3

For the full text of the H-Statements mentioned in this Section, see Section 16.

## **Section: 4. FIRST AID MEASURES**

## 4.1 Description of first aid measures

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

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

See Section 11 for more detailed information on health effects and symptoms.

#### 4.3 Indication of immediate medical attention and special treatment needed

Treatment : No specific measures identified.

## **Section: 5. FIREFIGHTING MEASURES**

#### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Unsuitable extinguishing

media

: None known.

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during

firefighting

: Not flammable or combustible.

Hazardous combustion

products

: Depending on combustion properties, decomposition products

may include following materials:

Carbon oxides

nitrogen oxides (NOx) Sulphur oxides metal oxides

5.3 Advice for firefighters

for firefighters

Special protective equipment : Use personal protective equipment.

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Further information : Fire residues and contaminated fire extinguishing water must be

disposed of in accordance with local regulations.

## Section: 6. ACCIDENTAL RELEASE MEASURES

## 6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency

personnel

: Refer to protective measures listed in sections 7 and 8.

Advice for emergency

responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable

materials.

## 6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

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

Methods for cleaning up : Sweep up and shovel into suitable containers for disposal.

#### 6.4 Reference to other sections

See Section 1 for emergency contact information.

For personal protection see section 8.

See Section 13 for additional waste treatment information.

#### Section: 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Advice on safe handling : Wash hands after handling. In case of mechanical malfunction, or

if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section

8.

Hygiene measures : Wash hands before breaks and immediately after handling the

product.

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Keep out of reach of children. Keep container tightly closed. Store

in suitable labeled containers.

Storage temperature : 0 °C to 40 °C

#### 7.3 Specific end uses

Specific use(s) : Laundry detergent. Manual process

Disinfection product. Semi-automatic process

## Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

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# DNEL

hammanaulfania asid C40.42		First Harrison
benzenesulfonic acid, C10-13- alkyl derivs., sodium salt	:	End Use: Workers Exposure routes: Dermal Potential health effects: Long-term systemic effects Value: 85 mg/cm2
		End Use: Workers Exposure routes: Dermal Potential health effects: Long-term local effects Value: 85 mg/cm2
		End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 6 mg/m3
		End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 6 mg/m3
Sodium Carbonate	:	End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 10 mg/m3
		End Use: Consumers Exposure routes: Inhalation Potential health effects: Acute local effects Value: 10 mg/m3
Sodium silicate	:	End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 5.61 mg/m3
		End Use: Workers Exposure routes: Dermal Potential health effects: Long-term systemic effects Value: 1.59 mg/cm2
		End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 1.38 mg/m3
		End Use: Consumers Exposure routes: Dermal Potential health effects: Long-term systemic effects Value: 0.8 mg/cm2
		End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term systemic effects Value: 0.8 ppm

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sodium hydroxide	:	End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 1 mg/m3  End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 1 mg/m3

## **PNEC**

PNEC		
benzenesulfonic acid, C10-13-alkyl derivs., sodium salt	:	Fresh water Value: 0.268 mg/l
		Marine water Value: 0.0268 mg/l  Intermittent use/release Value: 0.0167 mg/l  Fresh water sediment Value: 8.1 mg/kg  Marine sediment Value: 8.1 mg/kg  Sewage treatment plant Value: 3.43 mg/l
Sodium silicate	:	Fresh water Value: 7.5 mg/l  Marine water Value: 1 mg/l  Intermittent use/release Value: 7.5 mg/l  Sewage treatment plant Value: 348 mg/l

## 8.2 Exposure controls

## **Appropriate engineering controls**

Engineering measures : Good general ventilation should be sufficient to control worker

exposure to airborne contaminants.

## Individual protection measures

Hygiene measures : Wash hands before breaks and immediately after handling the

product.

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Eye/face protection (EN 166) : No special protective equipment required.

Hand protection (EN 374) : No special protective equipment required.

Skin and body protection

(EN 14605)

: No special protective equipment required.

Respiratory protection (EN

143, 14387)

: When respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization, consider the use of certified respiratory protection equipment meeting EU requirements (89/656/EEC, (EU) 2016/425), or equivalent, with filter type:P

#### **Environmental exposure controls**

General advice : Consider the provision of containment around storage vessels.

#### Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

Physical state : solid

Colour : white with coloured particles

Odour Perfumes, fragrances

Hq : 9.6 - 10.6, 1 %

Particle characteristics

Assessment : no data available Particle size no data available Particle Size Distribution : no data available **Dustiness** no data available Specific surface area : no data available Surface charge/Zeta : no data available

potential

Shape : no data available Crystallinity : no data available Surface treatment : no data available

/Coatings

Flash point : Not applicable., Does not sustain combustion.

Odour Threshold Not applicable and/or not determined for the mixture Melting point/freezing point : Not applicable and/or not determined for the mixture Boiling point, initial boiling : Not applicable and/or not determined for the mixture

point and boiling range

Evaporation rate : Not applicable and/or not determined for the mixture Flammability : Not applicable and/or not determined for the mixture Upper explosion limit : Not applicable and/or not determined for the mixture Lower explosion limit Not applicable and/or not determined for the mixture Vapour pressure Not applicable and/or not determined for the mixture

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Relative vapour density : Not applicable and/or not determined for the mixture

Density and / or relative : 0.59 - 0.65

density

Water solubility : soluble

Solubility in other solvents : Not applicable and/or not determined for the mixture Partition coefficient: n- : Not applicable and/or not determined for the mixture

octanol/water (log value)

. Not applicable and/or not determined for the mixture

Auto-ignition temperature : Not applicable and/or not determined for the mixture
Thermal decomposition : Not applicable and/or not determined for the mixture
Viscosity, kinematic : Not applicable and/or not determined for the mixture
Explosive properties : Not applicable and/or not determined for the mixture
Oxidizing properties : The substance or mixture is not classified as oxidizing.

#### 9.2 Other information

Not applicable and/or not determined for the mixture

#### Section: 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

## 10.2 Chemical stability

Stable under normal conditions.

## 10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

#### 10.4 Conditions to avoid

None known.

## 10.5 Incompatible materials

Acids

Metals

Organic materials

## 10.6 Hazardous decomposition products

Depending on combustion properties, decomposition products may include following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides metal oxides

## Section: 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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exposure

Information on likely routes of : Inhalation, Eye contact, Skin contact

**Product** 

: Acute toxicity estimate : > 2,000 mg/kg Acute oral toxicity

: There is no data available for this product. Acute inhalation toxicity

Acute dermal toxicity : There is no data available for this product.

Skin corrosion/irritation : There is no data available for this product.

Serious eye damage/eye

irritation

: There is no data available for this product.

Respiratory or skin

sensitization

: There is no data available for this product.

Carcinogenicity : There is no data available for this product.

Reproductive effects : There is no data available for this product.

Germ cell mutagenicity : There is no data available for this product.

Teratogenicity : There is no data available for this product.

STOT - single exposure : There is no data available for this product.

STOT - repeated exposure : There is no data available for this product.

Aspiration toxicity : There is no data available for this product.

Components

Acute oral toxicity : Sodium carbonate peroxyhydrate LD50 rat: 1,034 mg/kg

benzenesulfonic acid, C10-13- alkyl derivs., sodium salt LD50 rat:

1,080 mg/kg

Sodium Carbonate LD50 rat: 2,800 mg/kg

Sodium silicate LD50 rat: 3,400 mg/kg

Components

Acute dermal toxicity : Sodium silicate LD50 rat: > 5,000 mg/kg

Test substance: Information given is based on data obtained from

similar substances.

**Potential Health Effects** 

Eyes : Health injuries are not known or expected under normal use.

Health injuries are not known or expected under normal use.

Skin : Health injuries are not known or expected under normal use.

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Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Chronic Exposure : Health injuries are not known or expected under normal use.

## Experience with human exposure

Eye contact : No symptoms known or expected.

No symptoms known or expected.

Skin contact : No symptoms known or expected.

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

#### 11.2 Information on other hazards

Further information : no data available

## **Section: 12. ECOLOGICAL INFORMATION**

#### 12.1 Toxicity

Environmental Effects : This product has no known ecotoxicological effects.

**Product** 

Toxicity to fish : no data available

Toxicity to daphnia and other : no data available

aquatic invertebrates

Toxicity to algae : no data available

Components

Toxicity to fish : benzenesulfonic acid, C10-13- alkyl derivs., sodium salt

96 h LC50 Lepomis macrochirus (Bluegill sunfish): 1.67 mg/l

Sodium Carbonate

96 h LC50 Lepomis macrochirus (Bluegill sunfish): 300 mg/l

Sodium silicate

96 h LC50 Oncorhynchus mykiss (rainbow trout): 260 mg/l

Components

Toxicity to daphnia and other

aquatic invertebrates

: Sodium carbonate peroxyhydrate 48 h EC50 Daphnia: 4.9 mg/l

benzenesulfonic acid, C10-13- alkyl derivs., sodium salt 48 h LC50 Daphnia magna (Water flea): 2.4 mg/l

Sodium Carbonate

48 h EC50 Ceriodaphnia (water flea): 213.5 mg/l

Sodium silicate

48 h EC50 Daphnia magna (Water flea): 1,700 mg/l

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#### Components

Toxicity to algae : benzenesulfonic acid, C10-13- alkyl derivs., sodium salt

96 h EC50 Pseudokirchneriella subcapitata (green algae): 29 mg/l

Sodium silicate

72 h EC50 Desmodesmus subspicatus (green algae): 207 mg/l

#### 12.2 Persistence and degradability

#### **Product**

Biodegradability : The surfactants contained in the product are biodegradable

according to the requirements of the detergent regulation

648/2004/EC

Components

Biodegradability : Sodium carbonate peroxyhydrate

Result: Not applicable - inorganic

benzenesulfonic acid, C10-13- alkyl derivs., sodium salt

Result: Readily biodegradable.

Sodium Carbonate

Result: Not applicable - inorganic

Sodium silicate

Result: Not applicable - inorganic

Alcohols, C13-15, branched and linear, ethoxylated (7EO)

Result: Readily biodegradable.

#### 12.3 Bioaccumulative potential

no data available

#### 12.4 Mobility in soil

no data available

#### 12.5 Results of PBT and vPvB assessment

#### **Product**

Assessment : This substance/mixture contains no components considered to be

either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or

higher.

#### 12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

#### 12.7 Other adverse effects

no data available

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#### Section: 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with the European Directives on waste and hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

#### 13.1 Waste treatment methods

Product : Diluted product can be flushed to sanitary sewer if regulations

permit.

Contaminated packaging : Dispose of in accordance with local, state, and federal regulations.

Guidance for Waste Code

selection

: Inorganic wastes containing dangerous substances. If this product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable European (EU Directive 2008/98/EC)

and local regulations.

#### **Section: 14. TRANSPORT INFORMATION**

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### Land transport (ADR/ADN/RID)

14.1 UN number or ID : Not dangerous goods

number

14.2 UN proper shipping

name

14.3 Transport hazard

class(es)

: Not dangerous goods

: Not dangerous goods

14.4 Packing group
14.5 Environmental hazards

14.6 Special precautions for

user

: Not dangerous goods: Not dangerous goods: Not dangerous goods

## Air transport (IATA)

14.1 UN number or ID : Not dangerous goods

number

14.2 UN proper shipping

name

: Not dangerous goods

14.3 Transport hazard

class(es)

: Not dangerous goods

14.4 Packing group : Not dangerous goods
14.5 Environmental hazards : Not dangerous goods
14.6 Special precautions for : Not dangerous goods

user

Sea transport (IMDG/IMO)

14.1 UN number or ID : Not dangerous goods

number

14.2 UN proper shipping : Not dangerous goods

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name

14.3 Transport hazard : Not dangerous goods

class(es)

: Not dangerous goods 14.4 Packing group 14.5 Environmental hazards : Not dangerous goods 14.6 Special precautions for : Not dangerous goods

user

14.7 Maritime transport in bulk according to IMO

instruments

: Not dangerous goods

#### **Section: 15. REGULATORY INFORMATION**

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

according to Detergents : 15 % or over but less than 30 %: Zeolites

Regulation EC 648/2004 5 % or over but less than 15 %: Anionic surfactants, Oxygen-

based bleaching agents

less than 5 %: Phosphonates, Non-ionic surfactants, Soap,

Polycarboxylates

Other constituents: Enzymes, Optical brighteners, Perfumes

Allergens: Hexyl cinnamal

Contains: Disinfectants

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of majoraccident hazards involving dangerous substances.

Not applicable.

Candidate List of Substances : Not applicable.

of Very High Concern for

Authorisation

#### **National Regulations**

#### Take note of Dir 94/33/EC on the protection of young people at work.

Hazard class for water : WGK 2

Classification according to AwSV, Annex 1

German storage class : 13

#### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out on the product.

## **Section: 16. OTHER INFORMATION**

## Procedure used to derive the classification according to REGULATION (EC) No 1272/2008

Classification	Justification
Not a hazardous substance or mixture.	Calculation method

#### **Full text of H-Statements**

H272 May intensify fire; oxidiser.

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H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx -Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA -International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN -United Nations: vPvB - Very Persistent and Very Bioaccumulative

Prepared by : Regulatory Affairs

Numbers quoted in the MSDS are given in the format: 1,000,000 = 1 million and 1,000 = 1 thousand. 0.1 = 1 tenth and 0.001 = 1 thousandth

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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