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

1.1 Product identifier

Trade name : CULTAR

Design code : A8164F

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

Use of the : Plant growth regulator

Substance/Mixture

1.3 Details of the supplier of the safety data sheet

Company : Syngenta SA (Pty) Ltd

P.O. Box 1044, No. 4 Krokodildrift Avenue

Brits 0250 South Africa

Telephone : +27 (0)12 2506 300

Telefax : -

E-mail address of person

responsible for the SDS

: sds.ame@syngenta.com

1.4 Emergency telephone number

Emergency telephone : +27 (0) 82 446 8946 (Griffon)

number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4 H332: Harmful if inhaled.

Reproductive toxicity, Category 2 H361d: Suspected of damaging the unborn child.

Short-term (acute) aquatic hazard, H400: Very toxic to aquatic life.

Category 1

Long-term (chronic) aquatic hazard, H410: Very toxic to aquatic life with long lasting

Category 1 effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :





Signal word : Warning



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Hazard statements : H332 Harmful if inhaled.

H361d Suspected of damaging the unborn child.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**

P201 Obtain special instructions before use.

P261 Avoid breathing mist or vapours.

P280 Wear protective gloves/ protective clothing/ eye

protection/ face protection/ hearing protection.

Response:

P304 + P340 + P312 IF INHALED: Remove person to fresh

air and keep comfortable for breathing. Call a POISON

CENTER/ doctor if you feel unwell.

P308 + P313 IF exposed or concerned: Get medical advice/

attention.

P391 Collect spillage.

Hazardous components which must be listed on the label:

paclobutrazol (ISO)

methanol

2.3 Other hazards

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
paclobutrazol (ISO)	76738-62-0 603-239-00-4	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319 Repr. 2; H361d Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	>= 20 - < 25
Residues (petroleum), catalytic	68425-94-5	Skin Irrit. 2; H315	>= 1 - < 3



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reformer fractionator, sulfonated, polymers with formaldehyde, sodium salts		Eye Dam. 1; H318	
methanol	67-56-1 200-659-6 603-001-00-X 01-2119433307-44	Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 STOT SE 1; H370	>= 0,1 - < 1

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Have the product container, label or Safety Data Sheet with

you when calling the emergency number, a poison control

center or physician, or going for treatment.

If inhaled : Move the victim to fresh air.

If breathing is irregular or stopped, administer artificial

respiration.

Keep patient warm and at rest.

Call a physician or poison control centre immediately.

In case of skin contact : Take off all contaminated clothing immediately.

Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,

for at least 15 minutes. Remove contact lenses.

Immediate medical attention is required.

If swallowed : If swallowed, seek medical advice immediately and show this

container or label.

Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Nonspecific

No symptoms known or expected.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : There is no specific antidote available.

Treat symptomatically.



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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Extinguishing media - small fires

Use water spray, alcohol-resistant foam, dry chemical or

carbon dioxide.

Extinguishing media - large fires

Alcohol-resistant foam

or

Water spray

Unsuitable extinguishing

media

Do not use a solid water stream as it may scatter and spread

fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards during

firefighting

As the product contains combustible organic components, fire

will produce dense black smoke containing hazardous

products of combustion (see section 10).

Exposure to decomposition products may be a hazard to

health.

5.3 Advice for firefighters

Special protective equipment :

for firefighters

Wear full protective clothing and self-contained breathing

apparatus.

Further information : Do not allow run-off from fire fighting to enter drains or water

courses

Cool closed containers exposed to fire with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so.

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform

respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible

absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to

local / national regulations (see section 13). Clean contaminated surface thoroughly.



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Clean with detergents. Avoid solvents.

Retain and dispose of contaminated wash water.

6.4 Reference to other sections

For disposal considerations see section 13., Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : No special protective measures against fire required.

Avoid contact with skin and eyes. When using do not eat, drink or smoke. For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out

of the reach of children. Keep away from food, drink and

animal feedingstuffs.

Further information on

storage stability

Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient

temperatures.

7.3 Specific end use(s)

Specific use(s) : For proper and safe use of this product, please refer to the

approval conditions laid down on the product label.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
paclobutrazol (ISO)	76738-62-0	TWA	5 mg/m3	Syngenta
propane-1,2-diol	57-55-6	TWA OEL-RL (particulate)	10 mg/m3	ZA OEL
	Further inform	nation: Recommende	ed Limit	
		TWA OEL-RL (Vapour +	150 ppm 470 mg/m3	ZA OEL
		particulates)		
	Further information: Recommended Limit			
methanol	67-56-1	TWA OEL-RL	200 ppm 260 mg/m3	ZA OEL
	Further information: Absorption through the skin, Recommended Limit			
		STEL OEL-RL	250 ppm 310 mg/m3	ZA OEL



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Further information: Absorption through the skin, Recommended Limit			
TWA 200 ppm 2006/15/EC			
		260 mg/m3	

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
methanol	67-56-1	Methanol: 15 mg/l	End of shift	ZA BEI
		(Urine)		
		Formic acid: 80	Prior to last shift of	ZA BEI
		mg/g Creatinine	workweek	
		(Urine)		

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
propane-1,2-diol	Workers	Inhalation	Long-term systemic effects	168 mg/m3
	Consumers	Inhalation	Long-term local effects	10 mg/m3
	Consumers	Inhalation	Long-term systemic effects	30 mg/m3
	Workers	Inhalation	Long-term local effects	10 mg/m3
methanol	Workers	Dermal	Short-term exposure, Systemic effects	40 mg/kg
	Workers	Inhalation	Short-term exposure, Systemic effects	260 mg/m3
	Workers	Inhalation	Short-term exposure, Local effects	260 mg/m3
	Workers	Dermal	Long-term systemic effects	40 mg/kg
	Workers	Inhalation	Long-term systemic effects	260 mg/m3
	Workers	Inhalation	Long-term local effects	260 mg/m3
	Consumers	Dermal	Short-term exposure, Systemic effects	8 mg/kg
	Consumers	Inhalation	Short-term exposure, Systemic effects	50 mg/m3
	Consumers	Oral	Short-term exposure, Systemic effects	8 mg/kg
	Consumers	Inhalation	Long-term local effects	50 mg/m3
	Consumers	Oral	Long-term systemic effects	8 mg/kg
	Consumers	Inhalation	Long-term systemic effects	50 mg/m3
	Consumers	Dermal	Long-term systemic effects	8 mg/kg
	Consumers	Inhalation	Short-term exposure, Local effects	50 mg/m3



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Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
propane-1,2-diol	Fresh water	260 mg/l
	Marine water	26 mg/l
	Intermittent use/release	183 mg/l
	Sewage treatment plant	20000 mg/l
	Marine sediment	57,2 mg/kg
	Fresh water sediment	572 mg/kg
	Soil	50 mg/kg
methanol	Fresh water	154 mg/l
	Marine water	15,4 mg/l
	Soil	22,5 mg/kg
	Sewage treatment plant	100 mg/l

8.2 Exposure controls

Engineering measures

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.

The extent of these protection measures depends on the actual risks in use.

Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.

Personal protective equipment

Eye protection Hand protection No special protective equipment required.

Material : Nitrile rubber
Break through time : > 480 min
Glove thickness : 0,5 mm

Remarks : Wear protective gloves. The choice of an appropriate glove

does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. Gloves should be discarded and replaced if there is any indication of degradation or chemical

breakthrough.

Skin and body protection : Choose body protection in relation to its type, to the

concentration and amount of dangerous substances, and to

the specific work-place.

Remove and wash contaminated clothing before re-use.

Wear as appropriate:



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Impervious clothing

Respiratory protection : When workers are facing concentrations above the exposure

limit they must use appropriate certified respirators.

Suitable respiratory equipment: Respirator with a half face mask

The filter class for the respirator must be suitable for the

maximum expected contaminant concentration

(gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-

contained breathing apparatus must be used.

Protective measures : The use of technical measures should always have priority

over the use of personal protective equipment.

When selecting personal protective equipment, seek

appropriate professional advice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : suspension
Colour : off-white to beige

Odour : sweetish

Odour Threshold : No data available

pH : 5 - 9 (25 °C)

Concentration: 1 % w/v

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point : Method: Seta closed cup

does not flash

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit / Upper

flammability limit

No data available

Lower explosion limit / Lower

flammability limit

No data available

Vapour pressure : No data available

Relative vapour density : No data available

Density : 1,09 g/cm3 (25 °C)



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Solubility(ies)

Solubility in other solvents : Miscible

Solvent: Water

Partition coefficient: n-

octanol/water

: No data available

Auto-ignition temperature : 495 °C

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : 33,4 - 84,7 mPa.s (40 °C)

41,1 - 95,5 mPa.s (20 °C)

Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

9.2 Other information

Surface tension : 34,8 mN/m, 25 °C

Particle size : No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : No decomposition if used as directed.

10.5 Incompatible materials

Materials to avoid : None known.

10.6 Hazardous decomposition products

Hazardous decomposition

products

: No hazardous decomposition products are known.



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of :

exposure

Ingestion Inhalation Skin contact

Eye contact

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat, female): 2.958 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 3,99 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: The substance/mixture is not toxic on inhalation

as defined by dangerous goods regulations.

Acute dermal toxicity : LD50 (Rat, male and female): > 5.000 mg/kg

Components:

paclobutrazol (ISO):

Acute oral toxicity : LD50 (Rat, female): 1.336 mg/kg

Acute toxicity estimate: 490 mg/kg

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

Acute inhalation toxicity : LC50 (Rat, female): 3,13 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute toxicity estimate: 3,13 mg/l Test atmosphere: dust/mist

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg

Assessment: The substance or mixture has no acute dermal

toxicity

methanol:

Acute oral toxicity : Assessment: The component/mixture is toxic after single

ingestion.

Acute inhalation toxicity : Assessment: The component/mixture is toxic after short term

inhalation.



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Acute dermal toxicity : Assessment: The component/mixture is toxic after single

contact with skin.

Skin corrosion/irritation

Product:

Species : Rabbit

Result : No skin irritation

Components:

paclobutrazol (ISO):

Species : Rabbit

Result : No skin irritation

Residues (petroleum), catalytic reformer fractionator, sulfonated, polymers with

formaldehyde, sodium salts:

Method : in vitro skin corrosion test

Result : Irritating to skin.

Serious eye damage/eye irritation

Product:

Species : Rabbit

Result : No eye irritation

Components:

paclobutrazol (ISO):

Species : Rabbit

Result : Irritation to eyes, reversing within 7 days

Residues (petroleum), catalytic reformer fractionator, sulfonated, polymers with

formaldehyde, sodium salts:

Method : in vitro eye irritation test

Result : Risk of serious damage to eyes.

Respiratory or skin sensitisation

Product:

Test Type : mouse lymphoma cells

Species : Mouse

Result : Did not cause sensitisation on laboratory animals.

Components:

paclobutrazol (ISO):

Species : Guinea pig



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Result : Does not cause skin sensitisation.

Germ cell mutagenicity

Components:

paclobutrazol (ISO):

Germ cell mutagenicity-

Assessment

: Animal testing did not show any mutagenic effects.

methanol:

Germ cell mutagenicity-

Assessment

Animal testing did not show any mutagenic effects.

Carcinogenicity

Components:

paclobutrazol (ISO):

Carcinogenicity - Assessment

No evidence of carcinogenicity in animal studies.

methanol:

Carcinogenicity - Assessment

No evidence of carcinogenicity in animal studies.

Reproductive toxicity

Components:

paclobutrazol (ISO):

Reproductive toxicity -

Assessment

: Some evidence of adverse effects on development, based on animal experiments., Animal testing did not show any effects

on fertility.

methanol:

Reproductive toxicity -

Assessment

No toxicity to reproduction

STOT - single exposure

Components:

methanol:

Target Organs : Eyes, Central nervous system

Assessment : The substance or mixture is classified as specific target organ

toxicant, single exposure, category 1.



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SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): > 100 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h

Components:

paclobutrazol (ISO):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 27,8 mg/l

Exposure time: 96 h

LC50 (Lepomis macrochirus (Bluegill sunfish)): 23,6 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 29 mg/l

Exposure time: 48 h

EC50 (Mysidopsis bahia (opossum shrimp)): > 9 mg/l

Exposure time: 72 h

Toxicity to algae/aquatic

plants

ErC50 (Raphidocelis subcapitata (freshwater green alga)): >

15,2 mg/l

Exposure time: 96 h

ErC50 (Lemna gibba (gibbous duckweed)): 0,0283 mg/l

Exposure time: 7 d

NOEC (Lemna gibba (gibbous duckweed)): 0,002 mg/l

End point: Growth rate Exposure time: 7 d

ErC50 (Myriophyllum spicatum (Eurasian watermilfoil)): 0,022

mg/l

Exposure time: 14 d

NOEC (Myriophyllum spicatum (Eurasian watermilfoil)):

0,0028 mg/l

End point: Growth rate Exposure time: 14 d

M-Factor (Acute aquatic

toxicity)

: 10

Toxicity to fish (Chronic

toxicity)

NOEC: 0,049 mg/l Exposure time: 32 d

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Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other :

aquatic invertebrates (Chronic toxicity)

NOEC: 0,32 mg/l Exposure time: 22 d

Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic

toxicity)

10

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

12.2 Persistence and degradability

Components:

paclobutrazol (ISO):

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: 167 - 1.378 d

Remarks: Persistent in water.

Residues (petroleum), catalytic reformer fractionator, sulfonated, polymers with

formaldehyde, sodium salts:

Biodegradability : Result: Not readily biodegradable.

12.3 Bioaccumulative potential

Components:

paclobutrazol (ISO):

Bioaccumulation : Remarks: Does not bioaccumulate.

12.4 Mobility in soil

Components:

Stability in soil

paclobutrazol (ISO):

Distribution among

Remarks: Moderately mobile in soils

environmental compartments

: Dissipation time: 43 - 634 d

Percentage dissipation: 50 % (DT50)

Remarks: Persistent in soil.

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.



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Components:

paclobutrazol (ISO):

Assessment This substance is not considered to be persistent.

> bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating

(vPvB).

methanol:

Assessment This substance is not considered to be persistent,

> bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating

(vPvB).

12.6 Other adverse effects

Product:

Endocrine disrupting

potential

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.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product Do not contaminate ponds, waterways or ditches with

chemical or used container.

Do not dispose of waste into sewer.

Where possible recycling is preferred to disposal or

incineration.

If recycling is not practicable, dispose of in compliance with

local regulations.

Contaminated packaging Empty remaining contents.

Triple rinse containers.

Empty containers should be taken to an approved waste

handling site for recycling or disposal.

Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

IMDG UN 3082 **IATA** UN 3082



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14.2 UN proper shipping name

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(PACLOBUTRAZOL)

IATA : Environmentally hazardous substance, liquid, n.o.s.

(PACLOBUTRAZOL)

14.3 Transport hazard class(es)

IMDG : 9 **IATA** : 9

14.4 Packing group

IMDG

Packing group : III Labels : 9

EmS Code : F-A, S-F

IATA (Cargo)

Packing instruction (cargo : 964

aircraft)

Packing instruction (LQ) : Y964
Packing group : III

Labels : Miscellaneous

IATA (Passenger)

Packing instruction : 964

(passenger aircraft)

Packing instruction (LQ) : Y964
Packing group : III

Labels : Miscellaneous

14.5 Environmental hazards

IMDG

Marine pollutant : yes

IATA (Passenger)

Environmentally hazardous : yes

IATA (Cargo)

Environmentally hazardous : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.



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SECTION 15: Regulatory information

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

Other regulations:

None known.

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

SECTION 16: Other information

Full text of H-Statements

H225 Highly flammable liquid and vapour.

Toxic if swallowed. H301 Harmful if swallowed. H302 Toxic in contact with skin. H311 Causes skin irritation. H315

Causes serious eye damage. H318 H319 Causes serious eye irritation.

H331 Toxic if inhaled. H332 Harmful if inhaled.

Suspected of damaging the unborn child. H361d

H370 Causes damage to organs. H400 Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects. H410

Full text of other abbreviations

Acute Tox. Acute toxicity

Aquatic Acute Short-term (acute) aquatic hazard Aquatic Chronic Long-term (chronic) aquatic hazard

Eve Dam. Serious eye damage

Eye Irrit. Eye irritation Flam. Liq. Flammable liquids Repr. Reproductive toxicity

Skin Irrit. Skin irritation

STOT SE Specific target organ toxicity - single exposure 2006/15/EC Europe. Indicative occupational exposure limit values

South Africa. Hazardous Chemical Substances Regulations, ZA BEI

Biological Exposure Indices.

ZA OEL South Africa. Hazardous Chemical Substances Regulations,

Occupational Exposure Limits

Limit Value - eight hours 2006/15/EC / TWA

ZA OEL / TWA OEL-RL Long term occupational exposure limits - recommended limit ZA OEL / STEL OEL-RL Short term occupational exposure limits - recommended limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous



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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: TSCA - Toxic Substances Control Act (United States): UN - United Nations: UNRTDG -United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture: Classification procedure:

Acute Tox. 4 H332 Based on product data or assessment

Repr. 2 H361d Calculation method
Aquatic Acute 1 H400 Calculation method
Aquatic Chronic 1 H410 Calculation method

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