according to Regulation (EC) No. 1907/2006



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

1.1 Product identifier

Trade name : ARALDITE® METAL G HARDENER

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

Use of the : Hardener

Substance/Mixture

1.3 Details of the supplier of the safety data sheet

Company : Huntsman Advanced Materials (Europe)BVBA

Address : Everslaan 45

3078 Everberg

Belgium

Telephone : +41 61 299 20 41 Telefax : +41 61 299 20 40

E-mail address of person

responsible for the SDS

: Global_Product_EHS_AdMat@huntsman.com

1.4 Emergency telephone number

Emergency telephone number : Berlin: 0049 30 19 24 0 & 0049 30 30 68 6 7 11

Bonn: 0049 228 19 27 0 & 0049 228 28 7 3 32 11

Erfurt: 0049 361 73 07 30 Freiburg: 0049 761 16 24 0

Göttingen: 0049 51 19 24 0 & 0049 551 38 31 80

Homburg: 0049 6841 19 24 0

Mainz: 0049 6131 19 24 0 & 0049 6131 23 24 66

München: 0049 89 19 24 0 Nürnberg: 0049 911 39 8 2 45 1 EUROPE: +32 35 75 1234

France ORFILA: +33(0)145425959

ASIA: +65 6336-6011 China: +86 20 39377888 +86 532 83889090 India: + 91 22 42 87 5333 Australia: 1800 786 152 New Zealand: 0800 767 437

USA: +1/800/424.9300

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1 H318: Causes serious eye damage.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.



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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms





Signal word : Danger

Hazard statements : H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

Precautionary statements : Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/

vapours/ spray.

P280 Wear protective gloves/ eye protection/ face

protection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously

with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a

POISON CENTER/doctor.

P333 + P313 If skin irritation or rash occurs: Get medical

advice/ attention.

P362 + P364 Take off contaminated clothing and wash it

before reuse.

Disposal:

P501 Dispose of contents/container to an

approved facility in accordance with local,

regional, national and international

regulations.

Hazardous components which must be listed on the label:

2,4,6-Tris(dimethylaminomethyl)phenol

trientine

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

Hazardous components

Chemical name	CAS-No.	Classification	Concent
	EC-No. Index-No. Registration number		ration (% w/w)

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Benzyl alcohol	100-51-6 202-859-9 603-057-00-5 01-2119492630-38	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319	>= 10 - < 20
2,4,6- Tris(dimethylaminomethyl)pheno	90-72-2 202-013-9 603-069-00-0 01-2119560597-27	Skin Corr. 1C; H314 Eye Dam. 1; H318	>= 5 - < 10
Amines, polyethylenepoly-, triethylenetetramine fraction	90640-67-8 292-588-2 01-2119487919-13	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Chronic 3; H412	>= 3 - < 5

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

Treat symptomatically.

Get medical attention if symptoms occur.

If inhaled : If inhaled, remove to fresh air.

Get medical attention if symptoms occur.

In case of skin contact : Immediate medical treatment is necessary as untreated

wounds from corrosion of the skin heal slowly and with

difficulty.

If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : Small amounts splashed into eyes can cause irreversible

tissue damage and blindness.

In the case of contact with eyes, rinse immediately with plenty

of water and seek medical advice.

Continue rinsing eyes during transport to hospital.

Remove contact lenses.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.

Do NOT induce vomiting.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician. Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

None known.

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4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

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

High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during

firefighting

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

courses.

Hazardous combustion

products

Carbon oxides

Nitrogen oxides (NOx)

5.3 Advice for firefighters

Special protective equipment

for firefighters

: Wear self-contained breathing apparatus for firefighting if

necessary.

Specific extinguishing

methods

: No data is available on the product itself.

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains. 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

Personal precautions : Use personal protective equipment.

Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

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 : Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

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6.4 Reference to other sections

For disposal considerations see section 13., See Section 1 for emergency contact information., For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national

regulations.

Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

used.

Advice on protection against

fire and explosion

: Normal measures for preventive fire protection.

Hygiene measures : When using do not eat or drink. When using do not smoke.

Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Keep in properly labelled

containers.

Advice on common storage : For incompatible materials please refer to Section 10 of this

SDS.

Storage class (TRGS 510) : 8A, Combustible, corrosive hazardous materials

Recommended storage

temperature

: 2 - 40 °C

Further information on

storage stability

: Stable under normal conditions.

7.3 Specific end use(s)

Specific use(s) : No data available

according to Regulation (EC) No. 1907/2006



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
benzyl alcohol	100-51-6	AGW (Vapour and aerosols)	5 ppm 22 mg/m3	DE TRGS 900
Peak-limit: excursion factor (category)	2;(I)			
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., Sum of vapor and aerosols., Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

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

Substance name	End Use	Exposure routes	Potential health effects	Value
benzyl alcohol	Workers	Dermal	Acute systemic effects	47 mg/kg
	Workers	Inhalation	Acute systemic effects	450 mg/m3
	Workers	Dermal	Long-term systemic effects	9,5 mg/kg
	Workers	Inhalation	Long-term systemic effects	90 mg/m3
	Consumers	Dermal	Acute systemic effects	28,5 mg/kg
	Consumers	Inhalation	Acute systemic effects	40,55 mg/m3
	Consumers	Oral	Acute systemic effects	25 mg/kg
	Consumers	Dermal	Long-term systemic effects	5,7 mg/kg
	Consumers	Inhalation	Long-term systemic effects	8,11 mg/m3
	Consumers	Oral	Long-term systemic effects	5 mg/kg
trientine	Workers	Inhalation	Acute systemic effects	5380 mg/m3
	Workers	Dermal	Long-term systemic effects	0,57 mg/kg
	Workers	Inhalation	Long-term systemic effects	1 mg/m3
	Workers	Dermal	Long-term local effects	0,028 mg/m3
	Consumers	Dermal	Acute systemic effects	8 mg/kg
	Consumers	Inhalation	Acute systemic effects	1600 mg/m3

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Consumers	Oral	Acute systemic effects	20 mg/kg
Consumers	Dermal	Acute local effects	1 mg/cm2
Consumers	Dermal	Acute local effects	0,25 mg/kg
Consumers	Inhalation	Long-term systemic effects	0,29 mg/m3
Consumers	Oral	Long-term systemic effects	0,41 mg/kg
Consumers	Dermal	Long-term local effects	0,43 mg/cm2

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

Substance name		Environmental Compartment	Value	
2,4,6- Tris(dimethylaminor	methyl)phenol	Fresh water	0,084 mg/l	
Remarks: Assessr		ent Factors		
		Marine water	0,0084 mg/l	
	Assessme	ent Factors	•	
		Sewage treatment plant	0,2 mg/l	
	Assessme	ent Factors		
benzyl alcohol	-	Fresh water	1 mg/l	
	Assessme	ent Factors		
		Marine water	0,1 mg/l	
	Assessme	ent Factors		
		Freshwater - intermittent	2,3 mg/l	
	Assessme	ent Factors		
		Sewage treatment plant	39 mg/l	
	Assessme	ent Factors		
	L	Fresh water sediment	5,27 mg/kg	
	Assessme	ent Factors		
		Marine sediment	0,527 mg/kg	
	Assessme	ent Factors		
		Soil	0,456 mg/kg	
	Assessme	Assessment Factors		
		Secondary Poisoning		
	Assessme	ent Factors		
trientine		Fresh water	190 µg/l	
	Assessme	ent Factors		
	L	Fresh water sediment	95,9 mg/kg	
L			, , ,	

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Equilik	prium method	
,	Marine water	38 μg/l
Asses	sment Factors	<u>.</u>
	Freshwater - intermittent	200 μg/l
Asses	sment Factors	
,	Marine sediment	19,2 mg/kg
Equilit	orium method	
,	Soil	19,1 mg/kg
Equilit	orium method	
,	Sewage treatment plant	4,25 mg/l
Asses	sment Factors	1
1	Secondary Poisoning	0,18 mg/kg
Asses	sment Factors	·

8.2 Exposure controls

Personal protective equipment

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing

problems.

Hand protection

Material : butyl-rubber

Break through time : > 8 h

Material : Solvent-resistant gloves (butyl-rubber)

Material : Nitrile rubber Break through time : 10 - 480 min

Material : Neoprene gloves

Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Skin and body protection : Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : Use respiratory protection unless adequate local exhaust

ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines

Filter type : Combined inorganic and acidic gas/vapour, ammonia/amines

and organic vapour type (ABEK)



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : paste

Colour : beige

Odour : amine-like

Odour Threshold : No data is available on the product itself.

pH : No data is available on the product itself.

Freezing point : No data is available on the product itself.

Melting point : No data is available on the product itself.

Boiling point : No data is available on the product itself.

Flash point : 200 °C

Method: closed cup

Evaporation rate : No data is available on the product itself.

Flammability (solid, gas) : No data is available on the product itself.

Burning rate : No data is available on the product itself.

Upper explosion limit / Upper

flammability limit

: No data is available on the product itself.

Lower explosion limit / Lower

flammability limit

: No data is available on the product itself.

Vapour pressure : No data is available on the product itself.

Relative vapour density : No data is available on the product itself.

Relative density : 1,55 (25 °C)

Density : 1,55 g/cm3 (25 °C)

Solubility(ies)

Water solubility : No data is available on the product itself.

Solubility in other solvents : No data is available on the product itself.

Partition coefficient: n-

octanol/water

: No data is available on the product itself.

Auto-ignition temperature : No data is available on the product itself.

Decomposition temperature : No data is available on the product itself.

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Viscosity

: 200 000 mPa.s (25 °C) Viscosity, dynamic

Explosive properties : No data is available on the product itself.

Oxidizing properties : No data is available on the product itself.

9.2 Other information

No data available

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

Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : None known.

10.6 Hazardous decomposition products

Hazardous decomposition

products

carbon monoxide carbon dioxide Nitrogen oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity - Product : Acute toxicity estimate : > 2 000 mg/kg

Method: Calculation method

Acute inhalation toxicity -

: Acute toxicity estimate : > 20 mg/l

Product

Exposure time: 4 h Test atmosphere: vapour Method: Calculation method

Acute dermal toxicity -

: Acute toxicity estimate : > 2 000 mg/kg

Product

Method: Calculation method

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Acute toxicity (other routes of : No data available

administration)

Skin corrosion/irritation

Product:

Assessment: Mild skin irritant

Serious eye damage/eye irritation

Components:

benzyl alcohol: Species: Rabbit Assessment: Irritant

Method: OECD Test Guideline 405

Result: Irritating to eyes.

2,4,6-Tris(dimethylaminomethyl)phenol:

Species: Rabbit Assessment: Corrosive Result: Corrosive

trientine:

Species: Rabbit

Assessment: Corrosive

Method: OECD Test Guideline 404

Result: Corrosive

Respiratory or skin sensitisation

Components:

benzyl alcohol: Exposure routes: Skin Species: Guinea pig

Result: Does not cause skin sensitisation.

2,4,6-Tris(dimethylaminomethyl)phenol:

Exposure routes: Skin Species: Guinea pig

Method: OECD Test Guideline 406 Result: Does not cause skin sensitisation.

trientine:

Exposure routes: Skin Species: Guinea pig

Method: OECD Test Guideline 406

Result: May cause sensitisation by skin contact.

Assessment: No data available

Germ cell mutagenicity

Components:

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2,4,6-Tris(dimethylaminomethyl)phenol:

Genotoxicity in vitro : Concentration: 5000 ug/plate

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

: Concentration: 2500 ug/plate

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: negative

: Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

trientine:

Genotoxicity in vitro : Concentration: 0 - 200 µg/L

Metabolic activation: negative Method: OECD Test Guideline 482

Result: negative

Components:

benzyl alcohol:

Genotoxicity in vivo : Application Route: Intraperitoneal injection

Dose: 200 mg/kg

Method: OECD Test Guideline 474

Result: negative

trientine:

Genotoxicity in vivo : Application Route: Intraperitoneal injection

Dose: 0 - 600 mg/kg

Method: OECD Test Guideline 474

Result: negative

Carcinogenicity

Components:

benzyl alcohol:

Species: Rat, male and female Application Route: Oral

Exposure time: 103 weeks

Dose: 400 mg/kg

Frequency of Treatment: 5 daily Method: OECD Test Guideline 453

Result: negative

trientine:

Species: Mouse, male

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Application Route: Dermal

Dose: 42 mg/kg

Frequency of Treatment: 3 daily Method: OECD Test Guideline 451

Result: negative

Carcinogenicity -

: No data available

Assessment

Reproductive toxicity

Components:

2,4,6-Tris(dimethylaminomethyl)phenol:

Effects on fertility : Species: Rat, male and female

Application Route: Oral

Method: OECD Test Guideline 422

Remarks: No significant adverse effects were reported

Components:

benzyl alcohol:

Effects on foetal : Species: Mouse, female development : Application Route: Oral

General Toxicity Maternal: Lowest observed adverse effect

level: 550 mg/kg body weight Result: No teratogenic effects

trientine:

Species: Rat

Application Route: Oral

General Toxicity Maternal: No observed adverse effect level:

> 750 mg/kg body weight

Method: OECD Test Guideline 414 Result: No teratogenic effects

Species: Rabbit

Application Route: Dermal

General Toxicity Maternal: No observed adverse effect level:

125 mg/kg body weight

Method: OECD Test Guideline 414 Result: No teratogenic effects

Components:

trientine:

Reproductive toxicity -

Assessment

: The reprotoxic effects of Triethylenetetramine (TETA) are under further evaluation as part of the EU REACH program due in part to the aminoethyl ethanolamine (AEEA) content.

STOT - single exposure

No data available

STOT - repeated exposure

No data available

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Repeated dose toxicity

Components:

benzyl alcohol:

Species: Rat, male and female NOEC: 400 mg/kg, 1072 Application Route: Ingestion Test atmosphere: dust/mist

Exposure time: 4 WeeksNumber of exposures: 6 h

Method: OECD Test Guideline 412

2,4,6-Tris(dimethylaminomethyl)phenol:

Species: Rat, male and female

NOEL: 15 mg/kg

Application Route: Ingestion

Exposure time: 1 032 hNumber of exposures: 7 d

Method: Subacute toxicity

trientine:

Species: Rat, male and female

NOAEL: 50 mg/kg

Application Route: Ingestion

Exposure time: 26 WeeksNumber of exposures: 7 d

Method: Subchronic toxicity

Repeated dose toxicity - :

Assessment

: No data available

Aspiration toxicity

No data available

Experience with human exposure

General Information: No data available

Inhalation: No data available

Skin contact: No data available

Eye contact: No data available

Ingestion: No data available

Toxicology, Metabolism, Distribution

No data available

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Neurological effects

No data available

Further information

Ingestion: No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

benzyl alcohol:

Toxicity to fish : LC50 : 460 mg/l

Exposure time: 96 h Test Type: static test

Test substance: Fresh water Method: OPPTS 850.1075

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 230 mg/l

Exposure time: 48 h

Test substance: Fresh water Method: OECD Test Guideline 202

Toxicity to algae : EgC50 (Selenastrum capricornutum (green algae)): 770 mg/l

Exposure time: 72 h Test Type: static test

Test substance: Fresh water Method: OECD Test Guideline 201

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

Exposure time: 21 d

: NOEC: 51 mg/l

Species: Daphnia magna (Water flea)

Test Type: semi-static test Test substance: Fresh water Method: OECD Test Guideline 211

2,4,6-Tris(dimethylaminomethyl)phenol:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 175 mg/l

Exposure time: 96 h Test Type: static test

Test substance: Fresh water

Toxicity to daphnia and other

aquatic invertebrates

: LC50 : 718 mg/l Exposure time: 96 h Test Type: static test

Test substance: Marine water

Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): 84 mg/l

Exposure time: 72 h

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Test Type: static test

Test substance: Fresh water Method: OECD Test Guideline 201

NOEC (Desmodesmus subspicatus (green algae)): 6,25 mg/l

Exposure time: 72 h Test Type: static test

Test substance: Fresh water Method: OECD Test Guideline 201

Ecotoxicology Assessment

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

trientine:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 330 mg/l

Exposure time: 96 h
Test Type: static test
Test substance: Fresh water
Method: Fish Acute Toxicity Test

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 31,1 mg/l

Exposure time: 48 h Test Type: static test

Test substance: Fresh water

Method: Directive 67/548/EEC, Annex V, C.2.

Toxicity to algae : ErC50 (Selenastrum capricornutum (green algae)): 20 mg/l

Exposure time: 72 h
Test Type: semi-static test
Test substance: Fresh water
Method: OECD Test Guideline 201

Toxicity to microorganisms : EC50 (activated sludge): 800 mg/l

Exposure time: 0,5 h
Test Type: static test
Test substance: Fresh water

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

: EC10: 1,9 mg/l Exposure time: 21 d

Species: Daphnia magna (Water flea)

Test Type: semi-static test
Test substance: Fresh water
Method: OECD Test Guideline 202

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

12.2 Persistence and degradability

SDS DE-AM - EN - 400001021214

Components:

benzyl alcohol:

Biodegradability : Inoculum: Sewage (STP effluent)

Concentration: 20 mg/l Result: Readily biodegradable.

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Biodegradation: 95 - 97 % Exposure time: 21 d

Method: OECD Test Guideline 301A

2,4,6-Tris(dimethylaminomethyl)phenol:

Biodegradability : Inoculum: activated sludge

Concentration: 2 mg/l Result: Not biodegradable Biodegradation: 4 % Exposure time: 28 d

Method: OECD Test Guideline 301D

trientine:

Biodegradability : Inoculum: activated sludge

Result: Not readily biodegradable.

Biodegradation: 0 % Exposure time: 162 d

Method: OECD Test Guideline 301D

Inoculum: activated sludge Result: Not readily biodegradable.

Biodegradation: 20 % Exposure time: 84 d

Method: Inherent Biodegradability: Modified SCAS Test

Chemical Oxygen Demand

(COD)

: 1 940 mg/g

12.3 Bioaccumulative potential

Components:

benzyl alcohol:

Bioaccumulation : Bioconcentration factor (BCF): 1

Partition coefficient: n-

octanol/water

: log Pow: 1,1 (20 °C)

2,4,6-Tris(dimethylaminomethyl)phenol:

Partition coefficient: n- : log Pow: 0,219 (21,5 °C) octanol/water : Method: OPPTS 830.7550

trientine:

Partition coefficient: n- : log Pow: -2,65 (20 °C)

octanol/water Method: OECD Test Guideline 117

12.4 Mobility in soil

Components:

benzyl alcohol:

Distribution among : Koc: 5 - 15

environmental compartments

trientine:

Distribution among : Koc: 1584,9 - 5012

according to Regulation (EC) No. 1907/2006



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environmental compartments Method: OECD Test Guideline 106

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 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

Send to a licensed waste management company.

Dispose of as hazardous waste in compliance with local and

national regulations.

Dispose of contents/ container to an approved waste disposal

plant.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

SECTION 14: Transport information

IATA

Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods

ADR

Not regulated as dangerous goods

RID

Not regulated as dangerous goods

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

Not applicable for product as supplied.

according to Regulation (EC) No. 1907/2006



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SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High

Concern for Authorisation (Article 59).

: This product does not contain substances of very high concern

(Regulation (EC) No

1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorisation

(Annex XIV)

: Not applicable

REACH - List of substances subject to authorisation -

Future sunset date

: Not applicable

Water contaminating class

(Germany)

: WGK 1 slightly hazardous to water

TA Luft List (Germany) : Total dust:

Not applicable

: Inorganic substances in powdered form:

Not applicable

: Inorganic substances in vapour or gaseous form:

Not applicable
: Organic Substances:

Not applicable

: Carcinogenic substances:

Not applicable
: Mutagenic:
Not applicable
: Toxic to reproduction:

Not applicable

Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

The components of this product are reported in the following inventories:

DSL : This product contains one or several components listed in the

Canadian NDSL.

AICS : On the inventory, or in compliance with the inventory

NZIoC : Not in compliance with the inventory

ENCS : Not in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

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PICCS : Not in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

TCSI : On the inventory, or in compliance with the inventory

TSCA : On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), ENCS (Japan), KECI (Korea), NZIOC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (United States of America (USA))

15.2 Chemical safety assessment

Chemical Safety Assessments for all substances in this product are either Complete or Not applicable.

SECTION 16: Other information

Full text of H-Statements

H302 : Harmful if swallowed.

H312 : Harmful in contact with skin.

H314 : Causes severe skin burns and eye damage.

H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.

H332 : Harmful if inhaled.

H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Chronic : Long-term (chronic) aquatic hazard

Eye Dam. : Serious eye damage

Eye Irrit. : Eye irritation
Skin Corr. : Skin corrosion
Skin Sens. : Skin sensitisation

DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.

DE TRGS 900 / AGW : Time Weighted Average

Further information

Classification of the mixture: Classification procedure:

Eye Dam. 1 H318 Calculation method Skin Sens. 1 H317 Calculation method

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

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