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 : ARADUR® 1953-2 BD

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 : Centres Antipoison et de Toxicovigilance:

ANGERS: 02 41 48 21 21 BORDEAUX: 05 56 96 40 80

LILLE: 0 825 812 822 LYON: 04 72 11 69 11 MARSEILLE 04 91 75 25 25 NANCY: 03 83 32 36 36 PARIS: 01 40 05 48 48 RENNES: 02 99 59 22 22 STRASBOURG: 03 88 37 37 37 TOULOUSE: 05 61 77 74 47 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)

Skin corrosion, Sub-category 1C H314: Causes severe skin burns and eye damage.

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

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

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms





Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention**:

P261 Avoid breathing mist or vapours.

P280 Wear protective gloves/ protective clothing/

eye protection/ face protection.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do

NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing.

Rinse skin with water.

P304 + P340 + P310 IF INHALED: Remove person to fresh

air and keep comfortable for breathing.

Immediately call a POISON

CENTER/doctor.

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.

Hazardous components which must be listed on the label:

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine

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

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Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concent ration (% w/w)
N'-(3-aminopropyl)-N,N- dimethylpropane-1,3-diamine	10563-29-8 234-148-4 01-2119970376-29	Acute Tox. 4; H302 Skin Corr. 1A; H314 Skin Sens. 1B; H317	>= 5 - < 9,65
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.

Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

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. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.

Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

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.

according to Regulation (EC) No. 1907/2006



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4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Symptomatic and supportive therapy as needed. Following

severe exposure medical follow-up should be monitored for at

least 48 hours.

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

: No hazardous combustion products are known

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.

Evacuate personnel to safe areas. Ensure adequate ventilation.

In case of inadequate ventilation wear respiratory protection.

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.

according to Regulation (EC) No. 1907/2006



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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.

6.4 Reference to other sections

See Section 1 for emergency contact information.

For personal protection see section 8. For disposal considerations see section 13.

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. Electrical installations / working materials must comply with the technological safety

standards.

Recommended storage

temperature

: 2 - 40 °C

Further information on

storage stability

: No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No data available



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

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

Substance name	End Use	Exposure routes	Potential health effects	Value
N'-(3-aminopropyl)- N,N-dimethylpropane- 1,3-diamine	Workers	Inhalation	Long-term systemic effects	3,7 mg/m3
	Workers	Inhalation	Acute systemic effects	7,5 mg/m3
	Workers	Inhalation	Long-term local effects	3,7 mg/m3
	Workers	Inhalation	Acute local effects	7,5 mg/m3
	Workers	Dermal	Long-term systemic effects	0,67 mg/kg
	Consumers	Inhalation	Long-term systemic effects	0,65 mg/m3
	Consumers	Inhalation	Long-term local effects	0,65 mg/m3
	Consumers	Oral	Long-term systemic effects	0,2 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
	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
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according to Regulation (EC) No. 1907/2006



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N'-(3-aminopropy dimethylpropane-		Fresh water	9,2 μg/l
Remarks:	Assess	ment Factors	
	<u> </u>	Marine water	0,92 µg/l
	Assess	ment Factors	
	l l	Freshwater - intermittent	92 μg/l
	Assess	ment Factors	
		Sewage treatment plant	18,1 mg/l
	Assess	ment Factors	<u> </u>
	l	Fresh water sediment	0,0336 mg/kg
	Equilibr	rium method	
	l	Marine sediment	0,00336 mg/kg
	Equilibr	rium method	l .
		Soil	0,00132 mg/kg
	Equilibr	ium method	
trientine	l	Fresh water	190 µg/l
	Assess	ment Factors	l
	l .	Fresh water sediment	95,9 mg/kg
	Equilibr	ium method	<u> </u>
	l .	Marine water	38 µg/l
	Assess	ment Factors	·
	l .	Freshwater - intermittent	200 μg/l
	Assess	ment Factors	
	l	Marine sediment	19,2 mg/kg
	Equilibr	rium method	l .
	<u> </u>	Soil	19,1 mg/kg
	Equilibr	ium method	1 5 5
	l	Sewage treatment plant	4,25 mg/l
	Assess	ment Factors	L
	l	Secondary Poisoning	0,18 mg/kg
	Assess	ment Factors	

8.2 Exposure controls

Engineering measures

Effective exhaust ventilation system

Personal protective equipment

Eye protection : Eye wash bottle with pure water

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Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing

problems.

Ensure that eyewash stations and safety showers are close to

the workstation location.

Hand protection

Material : butyl-rubber

Break through time : > 8 h

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

Material : Ethyl Vinyl Alcohol Laminate (EVAL)

Break through time : > 8 h

Remarks : The selected protective gloves have to satisfy the

specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). 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

Recommended Filter type:

Combined particulates and organic vapour type

Filter type : Filter type A-P

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : light yellow

Odour : slight

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.

according to Regulation (EC) No. 1907/2006



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

Boiling point : > 200 °C

Flash point : 110 °C

Method: Pensky-Martens 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 : 0,04 hPa (20 °C)

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

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

Density : 0,95 g/cm3 (25 °C)

Solubility(ies)

Water solubility : practically insoluble (20 °C)

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 : > 200 °C

Viscosity

Viscosity, dynamic : 20 000 - 35 000 mPa.s (25 °C)

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

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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 decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : Strong acids and strong bases

Strong oxidizing agents

10.6 Hazardous decomposition products

Nitrogen oxides (NOx)

Carbon dioxide (CO2)

Carbon monoxide

Burning produces noxious and toxic fumes.

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

: No data available Acute inhalation toxicity

Acute dermal toxicity -

: Acute toxicity estimate : > 2 000 mg/kg

Method: Calculation method Product

Acute toxicity (other routes of : No data available

administration)

Skin corrosion/irritation

Product:

Result: Corrosive after 1 to 4 hours of exposure

Serious eye damage/eye irritation

Product:

Species: Rabbit

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Assessment: Corrosive Result: Corrosive

Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

Product:

Remarks: Causes sensitisation.

Assessment: No data available

Germ cell mutagenicity

Components:

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine:

Genotoxicity in vitro : Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 487

Result: negative

: Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

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:

trientine:

Genotoxicity in vivo : Application Route: Intraperitoneal injection

Dose: 0 - 600 mg/kg

Method: OECD Test Guideline 474

Result: negative

Carcinogenicity

Components:

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine:

Species: Mouse, male Application Route: Dermal

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Exposure time: 20 month(s) Frequency of Treatment: 3 daily

Result: negative

trientine:

Species: Mouse, male 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:

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine:

Effects on fertility : Species: Rat, male and female

Application Route: Oral

Method: OECD Test Guideline 422

Result: Animal testing did not show any effects on fertility.

Components:

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine:

Effects on foetal : Species: Rat, male and female

development Application Route: Oral

General Toxicity Maternal: No observed adverse effect level:

15 mg/kg body weight

Developmental Toxicity: No observed adverse effect level: 15

mg/kg body weight

Embryo-foetal toxicity: No observed adverse effect level: 15

mg/kg body weight

Method: OECD Test Guideline 422

Result: No effects on fertility and early embryonic

development were detected.

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

according to Regulation (EC) No. 1907/2006



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Components:

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine:

Reproductive toxicity - : No evidence of adverse effects on sexual function and fertility,

Assessment or on development, based on animal experiments.

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Repeated dose toxicity

Components:

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine:

Species: Rat, male and female

: 550

Application Route: Ingestion Test atmosphere: vapour

Exposure time: 3 WeeksNumber of exposures: 7 d

Method: Subchronic toxicity

Species: Mouse, male NOAEL: >= 56,3

Application Route: Skin contact

Exposure time: 20 hNumber of exposures: 3 d

Method: Chronic 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 - : No data available

Assessment

Aspiration toxicity

No data available

Experience with human exposure

General Information: No data available

Inhalation: No data available

Skin contact: No data available

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Eye contact: No data available

Ingestion: No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information

Product:

Remarks: No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 100 mg/l

Exposure time: 96 h Test Type: static test

Test substance: Fresh water Method: OECD Test Guideline 203

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 9,2 mg/l

Exposure time: 48 h
Test Type: static test

Test substance: Fresh water Method: OECD Test Guideline 202

Toxicity to algae : ErC50 (Selenastrum capricornutum (green algae)): 21 mg/l

Exposure time: 72 h Test Type: static test

Test substance: Fresh water Method: OECD Test Guideline 201

Toxicity to microorganisms : EC50 (Pseudomonas putida): 181 mg/l

Exposure time: 16 h Test Type: static test

Test substance: Fresh water Method: DIN 38 412 Part 8

trientine:

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

according to Regulation (EC) No. 1907/2006



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> 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.

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

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

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

> 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

Components:

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine:

Biodegradability : Result: Readily biodegradable.

> Biodegradation: 100 % Exposure time: 28 d Method: ISO Method, other

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

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12.3 Bioaccumulative potential

Components:

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine: : log Pow: 0,5

Partition coefficient: n-

octanol/water

log Pow: -0,56 (25 °C)

pH: 11,6

Method: OECD Test Guideline 107

trientine:

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

octanol/water Method: OECD Test Guideline 117

12.4 Mobility in soil

Components:

trientine:

: Koc: 1584,9 - 5012 Distribution among

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

Product:

Additional ecological

information

: 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.

Contaminated packaging : Empty remaining contents.

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

SECTION 14: Transport information

IATA

according to Regulation (EC) No. 1907/2006



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14.1 UN number : UN 2735

14.2 UN proper shipping

name

: Polyamines, liquid, corrosive, n.o.s.

(N-(3-DIMETHYLAMINOPROPYL)-1,3-

PROPYLENEDIAMINE)

14.3 Transport hazard

class(es)

: 8

14.4 Packing group : 111

Corrosive : 856

Packing instruction (cargo

aircraft)

Packing instruction

(passenger aircraft)

: 852

IMDG

14.1 UN number : UN 2735

14.2 UN proper shipping : POLYAMINES, LIQUID, CORROSIVE, N.O.S.

name

(N-(3-DIMETHYLAMINOPROPYL)-1,3-

PROPYLENEDIAMINE)

14.3 Transport hazard : 8

class(es)

14.4 Packing group : 111 Labels 8

EmS Code F-A, S-B

14.5 Environmental hazards

Marine pollutant : no

ADR

14.1 UN number : UN 2735

14.2 UN proper shipping : POLYAMINES, LIQUID, CORROSIVE, N.O.S.

name

(N-(3-DIMETHYLAMINOPROPYL)-1,3-

PROPYLENEDIAMINE)

14.3 Transport hazard : 8

class(es)

14.4 Packing group : 111 Labels 8

14.5 Environmental hazards

Environmentally hazardous : no

RID

14.1 UN number : UN 2735

14.2 UN proper shipping : POLYAMINES, LIQUID, CORROSIVE, N.O.S.

name

(N-(3-DIMETHYLAMINOPROPYL)-1,3-

PROPYLENEDIAMINE)

14.3 Transport hazard

class(es)

: 8

14.4 Packing group III Labels 8

14.5 Environmental hazards

according to Regulation (EC) No. 1907/2006



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Environmentally hazardous : no

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

Not applicable for product as supplied.

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

. Not applicable

: Not applicable

REACH - List of substances subject to authorisation -

Future sunset date

Occupational Illnesses (R-

461-3, France)

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:

: Not applicable

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

Canadian NDSL.

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

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

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

KECI : Not in compliance with the inventory

PICCS : On the inventory, or 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

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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.

H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Chronic : Chronic aquatic toxicity
Eye Dam. : Serious eye damage
Skin Corr. : Skin corrosion
Skin Sens. : Skin sensitisation

Further information

Classification of the mixture: Classification procedure:

Skin Corr. 1C H314 Based on product data or assessment Eye Dam. 1 H318 Based on product data or assessment

Skin Sens. 1 H317 Calculation method

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IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

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Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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