according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

Version Revision Date: SDS Number: Date of last issue: 15.11.2018 15.08.2019 400001008738 1.1 Date of first issue: 15.11.2018

Print Date 19.11.2020

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

1.1 Product identifier

Trade name : ARALDITE® CW 1446 BDF BD

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

Use of the : Component used for the manufacture of electrical insulation

Substance/Mixture parts

1.3 Details of the supplier of the safety data sheet

: Huntsman Advanced Materials (Europe)BVBA Company

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 irritation, Category 2 H315: Causes skin irritation.

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 15.11.2018

 1.1
 15.08.2019
 400001008738
 Date of first issue: 15.11.2018

Print Date 19.11.2020

Eye irritation, Category 2 H319: Causes serious eye irritation.

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

Long-term (chronic) aquatic hazard,

Category 2

H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms





Signal word : Warning

Hazard statements : H315 Causes skin irritation.

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

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**

P261 Avoid breathing mist or vapours.
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face

protection.

Response:

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

advice/ attention.

P391 Collect spillage.

Hazardous components which must be listed on the label:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

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. EC-No. Index-No. Registration number	Classification	Concent ration (% w/w)
2,2'-[(1-methylethylidene)bis(4,1-	1675-54-3	Skin Irrit. 2; H315	>= 30 -
phenyleneoxymethylene)]bisoxir	216-823-5	Eye Irrit. 2; H319	< 50
ane	603-073-00-2	Skin Sens. 1; H317	

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 15.11.2018

 1.1
 15.08.2019
 400001008738
 Date of first issue: 15.11.2018

Print Date 19.11.2020

01-2119456619-26 Aquatic Chronic 2; H411

For explanation of abbreviations see section 16.

Both 25068-38-6 and 1675-54-3 can be used to describe the epoxy resin which is produced through the reaction of bisphenol A and epichlorohydrin

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Move out of dangerous area.

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 : If skin irritation persists, call a physician.

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

In case of eye contact : Immediately flush eye(s) with plenty of water.

Remove contact lenses.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

None known.

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.

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 15.11.2018

 1.1
 15.08.2019
 400001008738
 Date of first issue: 15.11.2018

Print Date 19.11.2020

Hazardous combustion

products

Carbon oxides

Halogenated compounds

Metal oxides

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.

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.

Dispose of rinse water in accordance with local and national

regulations.

Persons susceptible to skin sensitisation problems or asthma,

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 15.11.2018

 1.1
 15.08.2019
 400001008738
 Date of first issue: 15.11.2018

Print Date 19.11.2020

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. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in properly

labelled containers.

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

SDS.

Further information on

storage stability

: Stable under normal conditions.

Recommended storage

temperature

: 2 - 40 °C

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Quartz (SiO2)	14808-60-7	TWA (Respirable dust)	0,1 mg/m3	2004/37/EC
Further information	Carcinogens or mutagens			

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

Substance name	End Use	Exposure routes	Potential health effects	Value
2,2'-[(1- methylethylidene)bis(4, 1- phenyleneoxymethylen e)]bisoxirane	Workers	Dermal	Systemic effects, Short-term exposure	8,33 mg/kg bw/day
	Workers	Inhalation	Systemic effects, Short-term exposure	12,25 mg/m3
	Workers	Dermal	Systemic effects,	8,33 mg/kg

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

Version Revision Date: SDS Number: Date of last issue: 15.11.2018
1.1 15.08.2019 400001008738 Date of first issue: 15.11.2018

Print Date 19.11.2020

		Long-term exposure	bw/day
Worke	rs Inhalation	Systemic effects, Long-term exposure	12,25 mg/m3
Consu	mers Dermal	Systemic effects, Short-term exposure	3,571 mg/kg bw/day
Consu	mers Oral	Systemic effects, Short-term exposure	0,75 mg/kg bw/day
Consu	mers Dermal	Systemic effects, Long-term exposure	3,571 mg/kg bw/day
Consu	mers Oral	Systemic effects, Long-term exposure	0,75 mg/kg bw/day

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

	Environmental Compartment	Value
e)bis(4,1- e)]bisoxira	Fresh water	0,006 mg/l
Assessme	ent Factors	
	Marine water	0,0006 mg/l
Assessme	ent Factors	
	Freshwater - intermittent	0,018 mg/l
Assessme	ent Factors	
	Fresh water sediment	0,996 mg/kg
Equilibriun	n method	
	Marine sediment	0,0996 mg/kg
Equilibriun	n method	•
•	Soil	0,196 mg/kg
Equilibriun	n method	•
	Sewage treatment plant	10 mg/l
Assessme	nt Factors	•
ı	Secondary Poisoning	11 mg/kg
	Assessme Assessme Assessme Equilibrium Equilibrium	Assessment Factors Marine water Assessment Factors Freshwater - intermittent Assessment Factors Freshwater sediment Equilibrium method Marine sediment Equilibrium method Soil Equilibrium method Soil Equilibrium method Sewage treatment plant Assessment Factors

8.2 Exposure controls

Engineering measures

effective ventilation in all processing areas

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

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

Version Revision Date: SDS Number: Date of last issue: 15.11.2018
1.1 15.08.2019 400001008738 Date of first issue: 15.11.2018

Print Date 19.11.2020

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 : Wear respiratory protection when its use is identified for

certain contributing scenario.

W A R N I N G! This product contains quartz, which has been classified by IARC as carcinogenic for humans (Group 1), and which can cause silicosis and lung cancer following exposure to respirable dust. It is therefore important to take

particular care to avoid inhalation exposure when mechanically processing cured material (e.g. grinding,

sanding, sawing).

Workplace exposure limits (for total dust and inhalable quartz

dust) must be complied with. If this is not possible, then

suitable dust masks must be worn.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : brown

Odour : slight

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

pH : ca. 8 (20 °C)

Concentration: 500 g/l

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

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

Boiling point : > 200 °C

Flash point : > 200 °C

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

Version Revision Date: SDS Number: Date of last issue: 15.11.2018
1.1 15.08.2019 400001008738 Date of first issue: 15.11.2018

Print Date 19.11.2020

Method: Pensky-Martens closed cup, 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 : < 0,001 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 : 1,8 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 : 3 800 - 6 800 mPa.s (50 °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

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.

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

Version Revision Date: SDS Number: Date of last issue: 15.11.2018 15.08.2019 400001008738 1.1 Date of first issue: 15.11.2018

Print Date 19.11.2020

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 : Strong acids and strong bases

Strong oxidizing agents

None known.

10.6 Hazardous decomposition products

Hazardous decomposition : carbon dioxide products carbon monoxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane: Acute oral toxicity : LD50 (Rat, female): > 2 000 mg/kg

Method: OECD Test Guideline 420

Assessment: The substance or mixture has no acute oral

toxicity

Acute inhalation toxicity : No data available

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

: LD50 (Rat, male and female): > 2 000 mg/kg Acute dermal toxicity

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal

toxicity

Acute toxicity (other routes of : No data available

administration)

Skin corrosion/irritation

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Species: Rabbit

Assessment: Mild skin irritant Method: OECD Test Guideline 404

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 15.11.2018

 1.1
 15.08.2019
 400001008738
 Date of first issue: 15.11.2018

Print Date 19.11.2020

Result: Irritating to skin.

Serious eye damage/eye irritation

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Species: Rabbit

Assessment: Mild eye irritant Method: OECD Test Guideline 405

Result: Irritating to eyes.

Respiratory or skin sensitisation

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Exposure routes: Skin Species: Mouse

Assessment: May cause sensitisation by skin contact.

Method: OECD Test Guideline 429 Result: Causes sensitisation.

Assessment: No data available

Germ cell mutagenicity

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

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

Method: OECD Test Guideline 476

Result: positive

: Concentration: 0 - 5000 ug/plate

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: positive

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Genotoxicity in vivo : Cell type: Germ

Application Route: Oral

Method: OECD Test Guideline 478

Result: negative

Cell type: Somatic Application Route: Oral Dose: 0 - 5000 mg/kg Method: OPPTS 870.5395

Result: negative

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 15.11.2018

 1.1
 15.08.2019
 400001008738
 Date of first issue: 15.11.2018

Print Date 19.11.2020

Carcinogenicity

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Species: Rat, male and female Application Route: Oral Exposure time: 24 month(s)

Dose: 15 mg/kg

Frequency of Treatment: 7 days/week Method: OECD Test Guideline 453

Result: negative

Species: Mouse, male Application Route: Dermal Exposure time: 24 month(s)

Dose: 0.1 mg/kg

Frequency of Treatment: 3 days/week Method: OECD Test Guideline 453

Result: negative

Species: Rat, female Application Route: Dermal Exposure time: 24 month(s)

Dose: 1 mg/kg

Frequency of Treatment: 5 days/week Method: OECD Test Guideline 453

Result: negative

Carcinogenicity - : No data available

Assessment

Reproductive toxicity

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Effects on fertility : Test Type: Two-generation study Species: Rat, male and female

Application Route: Oral

Dose: >750 milligram per kilogram

General Toxicity - Parent: No-observed-effect level: 540

mg/kg body weight

General Toxicity F1: No-observed-effect level: 540 mg/kg

body weight

Symptoms: No adverse effects Method: OECD Test Guideline 416

Result: No effects on fertility and early embryonic

development were detected.

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Effects on foetal : Species: Rabbit, female development : Application Route: Dermal

General Toxicity Maternal: No observed adverse effect level:

30 mg/kg body weight

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 15.11.2018

 1.1
 15.08.2019
 400001008738
 Date of first issue: 15.11.2018

Print Date 19.11.2020

Method: Other guidelines Result: No teratogenic effects

Species: Rabbit, female Application Route: Oral

General Toxicity Maternal: No observed adverse effect level:

60 mg/kg body weight

Method: OECD Test Guideline 414 Result: No teratogenic effects

Species: Rat, female Application Route: Oral

General Toxicity Maternal: No observed adverse effect level:

180 mg/kg body weight

Method: OECD Test Guideline 414 Result: No teratogenic effects

Reproductive toxicity -

Assessment

: No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Repeated dose toxicity

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Species: Rat, male and female

NOAEL: 50 mg/kg

Application Route: Ingestion

Exposure time: 14 WeeksNumber of exposures: 7 d

Method: Subchronic toxicity

Species: Rat, male and female

NOEL: 10 mg/kg

Application Route: Skin contact

Exposure time: 13 WeeksNumber of exposures: 5 d

Method: Subchronic toxicity

Species: Mouse, male NOAEL: 100 mg/kg

Application Route: Skin contact

Exposure time: 13 WeeksNumber of exposures: 3 d

Method: Subchronic toxicity

Repeated dose toxicity -

: No data available

Assessment

Aspiration toxicity

No data available

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 15.11.2018

 1.1
 15.08.2019
 400001008738
 Date of first issue: 15.11.2018

Print Date 19.11.2020

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

Neurological effects

No data available

Further information

Ingestion: No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1,5 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)): 2,7 mg/l

Exposure time: 48 h Test Type: static test

Test substance: Fresh water

Toxicity to algae/aquatic

plants

: EC50 (Selenastrum capricornutum (green algae)): 9,4 mg/l

Exposure time: 72 h
Test Type: static test

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 15.11.2018

 1.1
 15.08.2019
 400001008738
 Date of first issue: 15.11.2018

Print Date 19.11.2020

Test substance: Fresh water Method: EPA-660/3-75-009

Toxicity to microorganisms : IC50 (activated sludge): > 100 mg/l

Exposure time: 3 h
Test Type: static test
Test substance: Fresh water

Toxicity to daphnia and other

aquatic invertebrates

(Chronic toxicity)

: NOEC: 0,3 mg/l Exposure time: 21 d

Species: Daphnia magna (Water flea)

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

12.2 Persistence and degradability

Components:

 $2,2'\hbox{-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]} bisoxirane:$

Biodegradability : Inoculum: Sewage (STP effluent)

Concentration: 20 mg/l

Result: Not readily biodegradable.

Biodegradation: 5 % Exposure time: 28 d

Method: OECD Test Guideline 301F

Stability in water : Degradation half life (DT50): 4,83 d (25 °C)

pH: 4

Method: OECD Test Guideline 111

Remarks: Fresh water

Degradation half life (DT50): 7,1 d (25 °C)

pH: 9

Method: OECD Test Guideline 111

Remarks: Fresh water

Degradation half life (DT50): 3,58 d (25 °C)

pH: 7

Method: OECD Test Guideline 111

Remarks: Fresh water

12.3 Bioaccumulative potential

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane: Bioaccumulation : Bioconcentration factor (BCF): 31

Remarks: Does not bioaccumulate.

Partition coefficient: n- : log Pow: 3,242 (25 °C)

octanol/water pH: 7,1

Method: OECD Test Guideline 117

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

Version Revision Date: SDS Number: Date of last issue: 15.11.2018 400001008738 1.1 15.08.2019 Date of first issue: 15.11.2018

Print Date 19.11.2020

12.4 Mobility in soil

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Distribution among : Koc: 445

environmental compartments

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

: An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water

courses or the soil.

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

: UN 3082 14.1 UN number

14.2 UN proper shipping

name

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

(BISPHENOL A EPOXY RESIN)

14.3 Transport hazard

class(es)

: 9

14.4 Packing group

: 111

Labels : Class 9 - Miscellaneous dangerous substances and articles

Packing instruction (cargo : 964

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

Version Revision Date: SDS Number: Date of last issue: 15.11.2018
1.1 15.08.2019 400001008738 Date of first issue: 15.11.2018

Print Date 19.11.2020

aircraft)

Packing instruction : 964

(passenger aircraft)

IMDG

14.1 UN number : UN 3082

14.2 UN proper shipping : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

name N.O.S.

(BISPHENOL A EPOXY RESIN)

14.3 Transport hazard : 9

class(es)

14.4 Packing group : III
Labels : 9
EmS Code : F-A, S-F

14.5 Environmental hazards

Marine pollutant : yes

ADR

14.1 UN number : UN 3082

14.2 UN proper shipping : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

me N.O.S.

(BISPHENOL A EPOXY RESIN)

14.3 Transport hazard : 9

class(es)

14.4 Packing group : III Labels : 9

14.5 Environmental hazards

Environmentally hazardous : yes

RID

14.1 UN number : UN 3082

14.2 UN proper shipping : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

name N.O.S.

(BISPHENOL A EPOXY RESIN)

14.3 Transport hazard : 9

class(es)

14.4 Packing group : III Labels : 9

14.5 Environmental hazards

Environmentally hazardous : yes

14.7 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 - List of substances subject to authorisation : Not applicable

(Annex XIV)

REACH - List of substances subject to authorisation - : Not applicable

according to Regulation (EC) No. 1907/2006



ARALDITE® CW 1446 BDF BD

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 15.11.2018

 1.1
 15.08.2019
 400001008738
 Date of first issue: 15.11.2018

Print Date 19.11.2020

Future sunset date

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).

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of

major-accident hazards involving dangerous substances.

E2

ENVIRONMENTAL

HAZARDS

Occupational Illnesses (R-

461-3, France)

: 51, 25, 44

Installations classified for the : 4511

protection of the environment (Environment Code R511-9)

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 : All components of this product are on the Canadian DSL

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 : On the inventory, or 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

Inventories

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

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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

H315 : Causes skin irritation.

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

H411 : Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Chronic : Long-term (chronic) aquatic hazard

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

2004/37/EC : Europe. Directive 2004/37/EC on the protection of workers

from the risks related to exposure to carcinogens or mutagens

at work

2004/37/EC / TWA : Long term exposure limit

Further information

Classification of the mixture: Classification procedure:

Skin Irrit. 2 H315 Calculation method
Eye Irrit. 2 H319 Calculation method
Skin Sens. 1 H317 Calculation method
Aquatic Chronic 2 H411 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.

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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