

## DRY FLEX® COOL - Component A

Version number: GHS 1.0

Date of compilation: 2016-10-10

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

#### 1.1 Product identifier

Trade name **DRY FLEX® COOL - Component A**  
not relevant (mixture)

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

Relevant identified uses professional use  
Specific process or activity Elastic repair compound  
Use product only in combination with component B  
Uses advised against consumer uses

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

Repair Care  
Cartografenweg 34  
5140 AG Waalwijk  
Netherlands

Telephone: +31 (0) 416 650095  
Telefax: +31 (0) 416 652024  
e-mail: info@repair-care.com  
Website: www.repair-care.com  
e-mail (competent person)

info@repair-care.com

#### 1.4 Emergency telephone number

National Poisons Information Service (NPIS): 0844-8920111 (UK only) For medical professionals only.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Cat-egory	Hazard class and category	Hazard state-ment
3.2	skin corrosion/irritation	Cat. 2	(Skin Irrit. 2)	H315
3.3	serious eye damage/eye irritation	Cat. 2	(Eye Irrit. 2)	H319
3.4S	skin sensitisation	Cat. 1	(Skin Sens. 1)	H317
4.1C	hazardous to the aquatic environment - chronic hazard	Cat. 2	(Aquatic Chronic 2)	H411

##### Remarks

For full text of H-phrases: see SECTION 16.

##### The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No 1272/2008 (CLP)

**Signal word**

**Warning**

**Pictograms**

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GHS07, GHS09



### 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

#### Precautionary statements - prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Precautionary statements - response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P391 Collect spillage.

#### Hazardous ingredients for labelling:

bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700), Oxirane, mono[(C12-14-alkyloxy)methyl] derivs., Bisphenol-F-epichlorohydrin epoxy resin, average molecular weight <700, 1,6-hexanediol diglycidyl ether

### 2.3 Other hazards

There is no additional information.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

not relevant (mixture)

### 3.2 Mixtures

#### Description of the mixture

Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC	Classification acc. to 67/548/EEC
bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700)	CAS No 25068-38-6  EC No 500-033-5  REACH Reg. No 01-2119456619-26-xxxx	< 50	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 Aquatic Chronic 2 / H411	irritant; Xi; R36/38 sensitising; Xi; R43 dangerous for the environment; N; R51-53
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	CAS No 68609-97-2  EC No 271-846-8	< 25	Skin Irrit. 2 / H315 Skin Sens. 1 / H317	irritant; Xi; R38 sensitising; Xi; R43
Bisphenol-F-epichlorohydrin epoxy resin, average molecular weight <700	CAS No 9003-36-5  EC No 500-006-8  REACH Reg. No 01-2119454392-40-xxxx	< 25	Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Aquatic Chronic 2 / H411	irritant; Xi; R38 sensitising; Xi; R43 dangerous for the environment; N; R51-53

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Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC	Classification acc. to 67/548/EEC
1,6-hexanediol diglycidyl ether	CAS No 16096-31-4  EC No 240-260-4  REACH Reg. No 01-2119463471-41- xxxx	< 25	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 Aquatic Chronic 3 / H412	irritant; Xi; R36/38 sensitising; Xi; R43 dangerous for the environment; R52-53

For full text of abbreviations: see SECTION 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

##### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

##### Following skin contact

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Seek medical treatment in case of complaints. Wash contaminated clothing before reuse.

##### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

##### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

For specialist advice physicians should contact the anti poison control centre.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

water spray, BC-powder, carbon dioxide (CO<sub>2</sub>)

##### Unsuitable extinguishing media

water jet

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

##### Hazardous combustion products

nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

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### 5.3 Advice for firefighters

Keep containers cool with water spray. In case of fire and/or explosion do not breathe fumes. Co-ordinate fire-fighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Remove persons to safety.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Warning and evacuating people in the neighbourhood.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

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

#### Advices on how to contain a spill

Covering of drains.

#### Advices on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder).

#### Appropriate containment techniques

Use of adsorbent materials.

#### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Recommendations

##### • Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

#### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feed-stuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Managing of associated risks

#### Handling and storage

Keep only in the original container in a cool, well-ventilated place. Keep container closed when not in use.

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### Incompatible substances or mixtures

Do not store together with materials with which contact should be avoided (see chapter 10). Protect from sunlight. Keep away from sources of ignition - No smoking.

### Consideration of other advice

Storage temperature of 0 °C and up to 50 °C.

### • Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

### 7.3 Specific end use(s)

Industrial uses.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### National limit values

#### Occupational exposure limit values (Workplace Exposure Limits)

No information available.

#### Relevant DNELs/DMELs/PNECs and other threshold levels

#### • relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
bisphenol-A-epi-chlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	DNEL	8.33 mg/kg	human, dermal	worker (industry)	acute - systemic effects
bisphenol-A-epi-chlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	DNEL	12.25 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic effects
bisphenol-A-epi-chlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	DNEL	8.33 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
bisphenol-A-epi-chlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	DNEL	12.25 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	DNEL	1 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	DNEL	3.6 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Bisphenol-F-epi-chlorohydrin epoxy resin, average molecular weight <700	9003-36-5	DNEL	104.2 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Bisphenol-F-epi-chlorohydrin epoxy resin, average molecular weight <700	9003-36-5	DNEL	29.39 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
1,6-hexanediol diglycidyl ether	16096-31-4	DNEL	4.9 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic effects

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Name of sub-stance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
1,6-hexanediol diglycidyl ether	16096-31-4	DNEL	0.44 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
1,6-hexanediol diglycidyl ether	16096-31-4	DNEL	2.8 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
1,6-hexanediol diglycidyl ether	16096-31-4	DNEL	4.9 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects

### • relevant PNECs of components of the mixture

Name of sub-stance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
bisphenol-A-epi-chlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	PNEC	0.006 mg/l	aquatic organisms	freshwater	short-term (single instance)
bisphenol-A-epi-chlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	PNEC	0.0006 mg/l	aquatic organisms	marine water	short-term (single instance)
bisphenol-A-epi-chlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
bisphenol-A-epi-chlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	PNEC	0.996 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
bisphenol-A-epi-chlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	PNEC	0.0996 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
bisphenol-A-epi-chlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	PNEC	11 mg/kg	aquatic organisms	water	short-term (single instance)
bisphenol-A-epi-chlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	PNEC	0.196 mg/kg	terrestrial organisms	soil	short-term (single instance)
bisphenol-A-epi-chlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	PNEC	0.018 mg/l	aquatic organisms	water	intermittent release
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	0.0072 mg/l	aquatic organisms	freshwater	short-term (single instance)
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	0.00072 mg/l	aquatic organisms	marine water	short-term (single instance)

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Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environ- mental com- partment	Exposure time
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	10 mg/l	aquatic organisms	sewage treat- ment plant (STP)	short-term (single in- stance)
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	307.2 mg/kg	aquatic organisms	freshwater sedi- ment	short-term (single in- stance)
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	30.72 mg/kg	aquatic organisms	marine sedi- ment	short-term (single in- stance)
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	61.42 mg/kg	terrestrial organisms	soil	short-term (single in- stance)
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	0.072 mg/l	aquatic organisms	water	intermittent release
Bisphenol-F-epi- chlorohydrin epoxy resin, average mo- lecular weight <700	9003-36- 5	PNEC	0.003 mg/l	aquatic organisms	freshwater	short-term (single in- stance)
Bisphenol-F-epi- chlorohydrin epoxy resin, average mo- lecular weight <700	9003-36- 5	PNEC	0.0003 mg/l	aquatic organisms	marine water	short-term (single in- stance)
Bisphenol-F-epi- chlorohydrin epoxy resin, average mo- lecular weight <700	9003-36- 5	PNEC	10 mg/l	aquatic organisms	sewage treat- ment plant (STP)	short-term (single in- stance)
Bisphenol-F-epi- chlorohydrin epoxy resin, average mo- lecular weight <700	9003-36- 5	PNEC	0.294 mg/kg	aquatic organisms	freshwater sedi- ment	short-term (single in- stance)
Bisphenol-F-epi- chlorohydrin epoxy resin, average mo- lecular weight <700	9003-36- 5	PNEC	0.0294 mg/kg	aquatic organisms	marine sedi- ment	short-term (single in- stance)
Bisphenol-F-epi- chlorohydrin epoxy resin, average mo- lecular weight <700	9003-36- 5	PNEC	0.237 mg/kg	terrestrial organisms	soil	short-term (single in- stance)
Bisphenol-F-epi- chlorohydrin epoxy resin, average mo- lecular weight <700	9003-36- 5	PNEC	0.0254 mg/l	aquatic organisms	water	intermittent release
1,6-hexanediol digly- cidyl ether	16096- 31-4	PNEC	0.0115 mg/l	aquatic organisms	freshwater	short-term (single in- stance)
1,6-hexanediol digly- cidyl ether	16096- 31-4	PNEC	0.00115 mg/l	aquatic organisms	marine water	short-term (single in- stance)
1,6-hexanediol digly- cidyl ether	16096- 31-4	PNEC	1 mg/l	aquatic organisms	sewage treat- ment plant (STP)	short-term (single in- stance)
1,6-hexanediol digly- cidyl ether	16096- 31-4	PNEC	0.283 mg/kg	aquatic organisms	freshwater sedi- ment	short-term (single in- stance)
1,6-hexanediol digly- cidyl ether	16096- 31-4	PNEC	0.0283 mg/kg	aquatic organisms	marine sedi- ment	short-term (single in- stance)

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Name of sub-stance	CAS No	End-point	Threshold level	Organism	Environ-mental com-partment	Exposure time
1,6-hexanediol diglycidyl ether	16096-31-4	PNEC	0.223 mg/kg	terrestrial organisms	soil	short-term (single instance)
1,6-hexanediol diglycidyl ether	16096-31-4	PNEC	0.115 mg/l	aquatic organisms	water	intermittent release

### 8.2 Exposure controls

#### Appropriate engineering controls

Provide local exhaust or general room ventilation to minimize vapor concentrations.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection



Use safety goggle with side protection.

##### Skin protection

##### • hand protection



Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### • type of material

PVC: polyvinyl chloride, Nitrile rubber, Butyl rubber

##### • material thickness

> 0.5 mm.

##### • breakthrough times of the glove material

>480 minutes (permeation: level 6)

##### • other protection measures



Protective clothing against liquid chemicals.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

##### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.



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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### Appearance

Physical state	liquid
Colour	blue
Odour	characteristic

##### Other physical and chemical parameters

pH (value)	not determined
Melting point/freezing point	<0 °C
Initial boiling point and boiling range	>100 °C
Flash point	>65 °C
Evaporation rate	not determined
Flammability (solid, gas)	not relevant (fluid) non-flammable
Explosive limits	not determined
Vapour pressure	0.000047 Pa at 25 °C
Density	1.14 g/cm <sup>3</sup> at 20 °C
Vapour density	>1 (air=1)
Solubility(ies)	not determined
Water solubility	partially soluble
Partition coefficient	
n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	not determined
Viscosity	not determined
Explosive properties	none
Oxidising properties	none

#### 9.2 Other information

Of no significance.

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

#### 10.2 Chemical stability

See below "Conditions to avoid".

#### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

Avoid extremely high (> 50 °C) or low (<5 °C) temperatures.

**Physical stresses which might result in a hazardous situation and have to be avoided**

strong shocks

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### 10.5 Incompatible materials

acids - bases - oxidizers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

• **as a result of heating**

carbon monoxide (CO) - carbon dioxide (CO<sub>2</sub>)

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

**Classification procedure**

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**Classification according to GHS (1272/2008/EC, CLP)**

**Acute toxicity**

Shall not be classified as acutely toxic.

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**Summary of evaluation of the CMR properties**

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

**Specific target organ toxicity (STOT)**

Shall not be classified as a specific target organ toxicant.

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxic to aquatic life with long lasting effects.

**Aquatic toxicity (acute)**

**Aquatic toxicity (acute) of components of the mixture**

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	LC50	2.7 mg/l	fish	48 h
bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	EC50	2.8 mg/l	aquatic invertebrates	48 h
bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	ErC50	>11 mg/l	algae	72 h
Bisphenol-F-epichlorohydrin epoxy resin, average molecular weight <700	9003-36-5	LC50	12 mg/l	aquatic invertebrates	48 h

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Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Bisphenol-F-epichlorohydrin epoxy resin, average molecular weight <700	9003-36-5	EC50	>1.8 mg/l	algae	72 h
1,6-hexanediol diglycidyl ether	16096-31-4	LC50	30 mg/l	fish	96 h
1,6-hexanediol diglycidyl ether	16096-31-4	EC50	23.1 mg/l	algae	48 h

### Aquatic toxicity (chronic)

May cause long-term adverse effects in the aquatic environment.

### Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	LC50	4.4 mg/l	fish	24 h
bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	EC50	4.6 mg/l	aquatic invertebrates	24 h

## 12.2 Persistence and degradability

### Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time
bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6	oxygen depletion	5 %	28 d
Bisphenol-F-epichlorohydrin epoxy resin, average molecular weight <700	9003-36-5	oxygen depletion	0 %	28 d
1,6-hexanediol diglycidyl ether	16096-31-4	oxygen depletion	47 %	28 d

## 12.3 Bioaccumulative potential

Data are not available.

### Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700)	25068-38-6		2.918 (25 °C)	
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	160,263	3.77 (20 °C)	
Bisphenol-F-epichlorohydrin epoxy resin, average molecular weight <700	9003-36-5		2.7	
1,6-hexanediol diglycidyl ether	16096-31-4	3.57	0.822 (20 °C)	

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### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Other adverse effects

Data are not available.

#### Endocrine disrupting potential

The mixture contains substance(s) with an endocrine disrupting potential.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packageings

It is a dangerous waste; only packageings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Relevant provisions relating to waste

#### List of wastes

08 04 09x

waste adhesives and sealants containing organic solvents or other dangerous substances

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

### 14.1 UN number

3082

### 14.2 UN proper shipping name

Hazardous ingredients

#### ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, Bisphenol-F-epichlorohydrin epoxy resin, average molecular weight <700

### 14.3 Transport hazard class(es)

Class

9 (environmentally hazardous)

### 14.4 Packing group

III (substance presenting low danger)

### 14.5 Environmental hazards

hazardous to the aquatic environment:

### 14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

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

The cargo is not intended to be carried in bulk.

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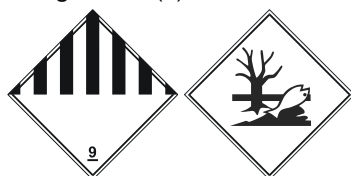
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### Information for each of the UN Model Regulations

#### • Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

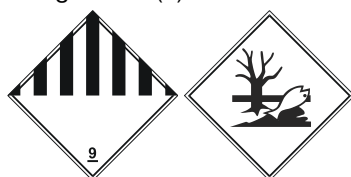
UN number	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class	9
Classification code	M6
Packing group	III
Danger label(s)	9 + "fish and tree"



Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	274, 335, 375, 601
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restriction code (TRC)	E
Hazard identification No	90
<b>Emergency Action Code</b>	3Z

#### • International Maritime Dangerous Goods Code (IMDG)

UN number	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class	9
Marine pollutant	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	9 + "fish and tree"



Special provisions (SP)	274, 335, 969
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-A, S-F
Stowage category	A

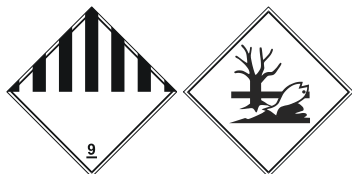
#### • International Civil Aviation Organization (ICAO-IATA/DGR)

UN number	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Class	9
Environmental hazards	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	9 + "fish and tree"

## DRY FLEX® COOL - Component A

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Special provisions (SP)  
Excepted quantities (EQ)  
Limited quantities (LQ)

A97, A158, A197, 274  
E1  
30 kg

### SECTION 15: Regulatory information

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

##### Relevant provisions of the European Union (EU)

##### • Restrictions according to REACH, Annex XVII

None of the ingredients are listed.

##### • List of substances subject to authorisation (REACH, Annex XIV)

None of the ingredients are listed.

##### • Seveso Directive

No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements		Notes
E2	environmental hazards (hazardous to the aquatic environment, cat. 2)	200	500	57)

##### Notation

57) Hazardous to the Aquatic Environment in category Chronic 2

##### • Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

None of the ingredients are listed.

##### • Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

##### • Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)

None of the ingredients are listed.

##### • Explosives precursors which are subject to restrictions

none of the ingredients are listed.

#### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## DRY FLEX® COOL - Component A

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### SECTION 16: Other information

#### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Chronic	hazardous to the aquatic environment - chronic hazard
BCF	BioConcentration Factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
COD	chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
Eye Dam.	seriously damaging to the eye
Eye Irrit.	irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
log KOW	n-octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
N	dangerous for the environment
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	corrosive to skin
Skin Irrit.	irritant to skin
Skin Sens.	skin sensitisation
vPvB	very Persistent and very Bioaccumulative

## DRY FLEX® COOL - Component A

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Date of compilation: 2016-10-10

Abbr.	Descriptions of used abbreviations
Xi	irritant

### Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.  
Health hazards/environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
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
H412	harmful to aquatic life with long lasting effects
R36/38	irritating to eyes and skin
R38	irritating to skin
R43	may cause sensitisation by skin contact
R51/53	toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.