

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



## ACROAL

Version: 3  
Revision date: 03/02/2020

Page 1 of 11  
Print date: 03/02/2020

### SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

#### 1.1 Product identifier.

Product Name: ACROAL  
Registration number: Exempt (Polymer)

#### 1.2 Relevant identified uses of the mixture and uses advised against.

Not available.

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

Company: **ALDEBARÁN SISTEMAS SL**  
Address: C/Jerónimo Zurita, 10, entlo izda, 50001  
City: Zaragoza  
Province: Zaragoza  
Telephone: 0034976796134  
E-mail: aldebaran@aldebaransistemas.com

**1.4 Emergency telephone number:** 0034915620420 (Available 24 hours)

### SECTION 2: HAZARDS IDENTIFICATION.

#### 2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008:  
No classified

#### 2.2 Label elements.

##### Labelling in accordance with Regulation (EU) No 1272/2008:

##### Pictograms:

##### P statements:

P404 Store in a closed container.  
P410 Protect from sunlight.

#### 2.3 Other hazards.

No more information available.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

#### 3.1 Substances.

Not Applicable.

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



## ACROAL

Version: 3  
Revision date: 03/02/2020

Page 2 of 11  
Print date: 03/02/2020

### 3.2 Mixtures.

Identifiers	Name	Concentration	(*)Classification - Regulation 1272/2008
			Classification
N.CAS: 9003-35-4 N.register: Exempt	Phenol (Polymer)	≥99%	No classified
N. Index: 604-001-00-2 N. CAS: 108-95-2 N. CE: 203-632-7 N. register: 01-2119471329-32-XXXX	Phenol	<1 %	Acute Tox. 3, H311 – Acute Tox. 3, H331 – Acute Tox. 3, H301 – Aquatic Chronic 2, H411 - Muta. 2, H341 – STOT RE 2, H373 – Skin Corr. 1B, H314 -
N. Index: 605-00100-5 N. CAS: 50-00-0 N. CE: 200-001-8 N. register: 01-2119488953-20-XXXX	Formaldehyde	<0,1 %	Acute Tox. 3, H311 – Acute Tox. 3, H331 – Acute Tox. 3, H301 – Skin Sens. 1, H317 - Muta. 2, H341 – Carc. 1B, H350 – Skin Corr. 1B, H314 -

### Specific concentration limits:

Identifiers	Name	Specific concentration limits
N. Index: 604-001-00-2 N. CAS: 108-95-2 N. CE: 203-632-7 N. register: 01-2119471329-32-XXXX	Phenol	(1 ≤ C<3) Eye irrit. 2, H319 – (1 ≤ C<3) Skin Irrit.. 2, H315 – (C ≥ 3) Skin Corr. 1B, H314 -
N. Index: 605-00100-5 N. CAS: 50-00-0 N. CE: 200-001-8 N. register: 01-2119488953-20-XXXX	Formaldehyde	(C ≥ 0,2) Skin Sens. 1, H317 – (C ≥ 5) STOT SE. 3, H335 – (5 ≤ C<25) Eye irrit. 2, H319 – (5 ≤ C<25) Skin Irrit.. 2, H315 – (C ≥ 25) Skin Corr. 1B, H314 -

(\*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



## ACROAL

Version: 3  
Revision date: 03/02/2020

Page 3 of 11  
Print date: 03/02/2020

### SECTION 4: FIRST AID MEASURES.

#### 4.1 Description of first aid measures.

Unconscious victim: keep open airways.

#### Inhalation.

Take the victim to a ventilated space. Respiratory problems: consult medical service.

#### Eye contact.

Wash immediately with plenty of water (15 min). Do not use neutralizing products. If the irritation persists, consult an ophthalmologist.

#### Skin contact.

Wash immediately with plenty of water (15 min) / shower. If the irritation persists, consult a doctor.

#### Ingestion.

Wash the mouth with plenty of water. Give a lot of water to drink right away.

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

Symptoms and possible injuries in case of inhalation: In case of discomfort, see a doctor (if possible, show him the label).

Symptoms and possible injuries in case of skin contact: Wash immediately and abundantly with soap and water.

Symptoms and possible injuries in case of contact with eyes: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Symptoms and symptoms possible if swallowed: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

In case of discomfort consult a doctor.

### SECTION 5: FIREFIGHTING MEASURES.

#### 5.1 Extinguishing media.

##### Suitable extinguishing media:

No more information available.

#### 5.2 Special hazards arising from the mixture.

##### Special risks.

Fire hazard: No information available.

Explosion hazard: Dust could be explosive if certain conditions (dust concentration, temperature ...) occur

#### 5.3 Advice for firefighters.

No more information available

### SECTION 6: ACCIDENTAL RELEASE MEASURES.

Prevent them from raising clouds of dust. Raise dust: avoid naked flames and sparks.

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

Safety glasses Gloves Security clothes.

For emergency personnel: Dust cloud: Respiratory protection device. Safety glasses If you lift dust: dust mask with filter type P3

#### 6.2 Environmental precautions.

Prevent the contamination of drains, surface or subterranean waters, and the ground.

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



## ACROAL

Version: 3  
Revision date: 03/02/2020

Page 4 of 11  
Print date: 03/02/2020

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

specific dangers according to the composition...

### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

## SECTION 7: HANDLING AND STORAGE.

### 7.1 Precautions for safe handling.

No more information available

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

Common storage prohibitions: sources of heat, sources of ignition, oxidation.

Storage place: Keep in a cool place. Keep the container in a well-ventilated place.

Specific rule regarding packaging: dry, clean, tight.

Packaging material: Suitable material: synthetic material, paper, cardboard, metal.

### 7.3 Specific end use(s).

Not available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

### 8.1 Control parameters.

Phenol (108-95-2)		
UE	IOELV TWA (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
UE	IOELV TWA (ppm)	2 ppm
UE	IOELV STEL (mg/m <sup>3</sup> )	16 mg/m <sup>3</sup>
UE	IOELV STEL (ppm)	4 ppm
Belgium	Limit Value (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
Belgium	Limit Value (ppm)	2 ppm
France	VME (mg/m <sup>3</sup> )	7,8 mg/m <sup>3</sup>
France	VME (ppm)	2 (mg/m <sup>3</sup> )
France	VLE (mg/m <sup>3</sup> )	15,6 mg/m <sup>3</sup>
France	VLE (ppm)	4 ppm
Germany	TRGS 900 limit value of profesional exposure (mg/m <sup>3</sup> )	7,8 mg/m <sup>3</sup>
Germany	TRGS 900 limit value os profesional exposure(ppm)	2 ppm
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 8H (ppm)	2 ppm
United Kingdom	WEL TWA (ppm)	2 ppm
USA - ACGIH	ACGIH TWA (ppm)	5 ppm

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



## ACROAL

Version: 3  
Revision date: 03/02/2020

Page 5 of 11  
Print date: 03/02/2020

Formaldehyde (50-00-0)		
Belgium	Short-term value (mg/m <sup>3</sup> )	0,38 mg/m <sup>3</sup>
Belgium	Short-term value (ppm)	0,3 ppm
France	VME (ppm)	0,5 ppm
France	VLE (ppm)	1 ppm
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	0,15 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 8H (ppm)	0,1 ppm
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	0,5 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 15MIN (ppm)	0,33 ppm
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	2,5 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	2 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	2,5 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	2 ppm
USA - ACGIH	ACGIH Ceiling (ppm)	0,3 ppm

### 8.2 Exposure controls.

#### Measures of a technical nature:

If dust rises: tight fitting glasses. Safety glasses Gloves Protective suit against dust. If you raise dust: dust mask with filter type P2. If heated: gas mask with filter type A.

Protective clothing - material selection: ARE VERY RESISTANT: butyl rubber, viton. ARE RESISTANT: nitrile rubber

Hand protection: neoprene or natural rubber gloves.

Eye protection: Safety glasses. Face shield.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

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

Appearance: Powder

Colour: white , light yellow

Odour: aromatic

Odour threshold: N.A./N.A.

pH: N.A./N.A.

Melting point: N.A./N.A.

Boiling Point: N.A./N.A.

Flash point: > 60 °C

Evaporation rate: N.A./N.A.

Inflammability (solid, gas): N.A./N.A.

Lower Explosive Limit: N.A./N.A.

Upper Explosive Limit: N.A./N.A.

Vapour pressure: N.A./N.A.

Vapour density: N.A./N.A.

Relative density: N.A./N.A.

Solubility: Soluble in organic solvents

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



## ACROAL

**Version: 3**  
**Revision date: 03/02/2020**

**Page 6 of 11**  
**Print date: 03/02/2020**

Liposolubility: N.A./N.A.  
Hydrosolubility: Insoluble  
Partition coefficient (n-octanol/water): N.A./N.A.  
Auto-ignition temperature: N.A./N.A.  
Decomposition temperature: >200°C  
Viscosity: N.A./N.A.  
Explosive properties: N.A./N.A.  
Oxidizing properties: N.A./N.A.  
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

### 9.2 Other information.

Dropping point: N.A./N.A.  
Blink: N.A./N.A.  
Kinematic viscosity: N.A./N.A.  
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

## SECTION 10: STABILITY AND REACTIVITY.

### 10.1 Reactivity.

In combustion: release of carbon monoxide - carbon dioxide.

### 10.2 Chemical stability.

At very high temperature: release of toxic / combustible gases / vapors (carbon monoxide). Unstable in heat exposure. Stable under normal conditions.

### 10.3 Possibility of hazardous reactionns.

No more information available

### 10.4 Conditions to avoid.

Possible generation of electrostatic charges during handling.

### 10.5 Incompatible materials.

Keep away from strong oxidants.

### 10.6 Hazardous decomposition products.

In case of high temperatures, decomposition products can be created as fumes, monoxides and carbon dioxides.

## SECTION 11: TOXICOLOGICAL INFORMATION.

### 11.1 Information on toxicological effects.

a) acute toxicity;  
Not conclusive data for classification.

Phenol ( 108-95-2)	
DL50 oral rat	317 - 650 mg/kg (Rat)
DL50 skin rat	669 mg/kg (Rat)
DL50 skin rabbit	850-1400 mg/kg (Rabbit)
CL50 inhalation rat (mg/l)	(Rat)

b) skin corrosion/irritation;  
Not classified

c) serious eye damage/irritation;  
Not classified

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



## ACROAL

**Version: 3**  
**Revision date: 03/02/2020**

**Page 7 of 11**  
**Print date: 03/02/2020**

d) respiratory or skin sensitisation;  
Not classified

e) germ cell mutagenicity;  
Not classified

f) carcinogenicity;  
Not classified

g) reproductive toxicity;  
Not classified

h) STOT-single exposure;  
Not classified

i) STOT-repeated exposure;  
Not classified

j) aspiration hazard;  
Not classified

### SECTION 12: ECOLOGICAL INFORMATION.

#### 12.1 Toxicity.

No danger to the environment

Phenol (108-95-2)	
CL50 fishes 1	27,8 mg/l (96 h; Brachydanio rerio)
CE50 Daphnia 1	18 – 36 mg/l (48 h; Daphnia pulex; Sistema estático)
CL50 fishes 2	9,1 – 12,2 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
CE50 Daphnia 2	6,6 mg/l (48 h; Daphnia magna)
TLM fishes 1	39,2 mg/l (96 h; Poecilla reticulata)
TLM fishes 2	5,7 mg/l (96 h; Lepomis macrochirus)
Toxic threshold for aquatic organisms1	64 mg/l (Pseudomonas putida)
Toxic algae threshold 1	4,6 mg/l (142 h; Microcystis aeruginosa)
Toxic algae threshold 2	7,5 mg/l (192 h; Scenedesmus quadricauda)

Formaldehyde (50-00-0)	
CL50 fishes 1	41 mg/l (96 h; Brachydanio rerio; MATERIA PURA)
CE50 Daphnia 1	14,7 mg/l (48 h; Daphnia MAGNA; materia pura)
CL50 fishes 2	62 – 109 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss; MATERIA PURA)
TLM fishes 1	50 - 200 mg/l (96 h; Poecilla reticulata) MATERIA PURA
TLM fishes 2	10 – 100,96 h; Pisces MATERIA PURA
TLM Other aquatic organism 1	10 – 100,96 h
Toxic algae threshold 1	2,5 mg/l (192 h; Scenedesmus quadricauda; MATERIA PURA)
Toxic algae threshold 2	0,39 mg/l (192 h; Microcystis aeruginosa; SOLUCION <50%

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



## ACROAL

Version: 3  
Revision date: 03/02/2020

Page 8 of 11  
Print date: 03/02/2020

### 12.2 Persistence and degradability.

Phenol (108-95-2)	
Persistence and degradability	Easily biodegradable in water. Photolysis in water. Biodegradable in the soil. Inhibits the biodegradation process in the soil.
Need in oxygen of biochemical origin (NOB)	1,68 g O <sub>2</sub> /g sustance
Chemical oxygen demand (DQO)	2,28 g O <sub>2</sub> /g sustance
DthO	2,38 g O <sub>2</sub> /g sustance
DBO (% de DTO)	0,71 % DThO

Formaldehyde (50-00-0)	
Persistence and degradability	Easily biodegradable in water. There is no information on the biodegradability in the soil. Photodegradation in the air.
Need in oxygen of biochemical origin (NOB)	0,64 g O <sub>2</sub> /g sustance
Chemical oxygen demand (DQO)	1,06 g O <sub>2</sub> /g sustance
DthO	1,068 g O <sub>2</sub> /g sustance
DBO (% de DTO)	60 % DThO

### 12.3 Bioaccumulative potential.

Phenol (108-95-2)	
FBC fishes 1	20 (Leuciscus idus)
FBC fishes 2	1276 – 1496 (Pimephales promelas)
FBC other aquatic organisms 1	277 (Daphnia magna)
FBC other aquatic organisms 2	3,5 – 16 (Scenedesmus quadricauda)
Log Pow	1,46 (Valor experimental)

Formaldehyde (50-00-0)	
Log Pow	-0,78 – 0,0
Bioaccumulative potential	Bioaccumulative: It does not matter

### 12.4 Mobility in soil.

Phenol (108-95-2)	
Surface tension	0,039 N/m (41°C)

Formaldehyde (50-00-0)	
Ecology - soil	Toxic for flora

### 12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

### 12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS.

### 13.1 Waste treatment methods.

Discharge or incineration at an authorized site in accordance with national or local regulations.  
Remove to an approved incinerator.

-Continued on next page.-



# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



## ACROAL

Version: 3  
Revision date: 03/02/2020

Page 9 of 11  
Print date: 03/02/2020

### SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

#### 14.1 UN number.

Transportation is not dangerous.

#### 14.2 UN proper shipping name.

Description:

ADR: Transportation is not dangerous.

IMDG: Transportation is not dangerous.

ICAO/IATA: Transportation is not dangerous.

#### 14.3 Transport hazard class(es).

Transportation is not dangerous.

#### 14.4 Packing group.

Transportation is not dangerous.

#### 14.5 Environmental hazards.

Transportation is not dangerous.

#### 14.6 Special precautions for user.

,Transportation is not dangerous.

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

Transportation is not dangerous.

### SECTION 15: REGULATORY INFORMATION.

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

##### 15.1.1. EU-Regulations

It does not contain any substance subject to the restrictions of Annex XVII.

Does not contain any substance included in the list of candidate substances of REACH

It does not contain any substance that appears on the list in Annex XIV of REACH

##### 15.1.2. National regulations.

###### Germany

VwVwS, reference to Annex: Water hazard class (WGK) 1, presents low water hazard (Classification according to VwVwS, Annex 4).

12th order of application of the Law Not subject to the 12th BImSchV (decree of protection against emissions) (Regulation German Federal law on the limitation on serious accidents).

Of discomfort-12.BImSchV

###### Netherlands

SZW-lijst van kankerverwekkende stoffen:

formaldehyde fihura in the list

SZW-lijst van mutagene stoffen:

None of the components is on the list

NIET-limitatieve lijst van voor of voortplanting

None of the components are included in the list

Giftige stoffen - Borstvoeding.

NIET-limitatieve lijst van voor of voortplanting

None of the components are included in the list

Giftige stoffen - Vruchtbaarheid

NIET-limitatieve lijst van voor of voortplanting

None of the components are included in the list

Giftige stoffen - Ontwikkeling

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



## ACROAL

Version: 3  
Revision date: 03/02/2020

Page 10 of 11  
Print date: 03/02/2020

### 15.2 Chemical safety assessment.

#### SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Classification codes:

Acute Tox. 3 : Acute toxicity (Dermal), Category 3  
Acute Tox. 3 : Acute toxicity (Inhalation), Category 3  
Acute Tox. 3 : Acute toxicity (Oral), Category 3  
Aquatic Chronic 2 : Chronic effect to the aquatic environment, Category 2  
Eye Irrit. 2 : Eye irritation, Category 2  
Muta. 2 : Mutagen, Category 2  
STOT RE 2 : Specific target organ toxicity following a repeated exposure, Category 2  
Skin Corr. 1B : Skin Corrosive, Category 1B  
Skin Irrit. 2 : Skin irritant, Category 2

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

BCF: Bioconcentration factor.  
CEN: European Committee for Standardization.  
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.  
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.  
EC50: Half maximal effective concentration.  
PPE: Personal protection equipment.  
LC50: Lethal concentration, 50%.  
LD50: Lethal dose, 50%.  
Log Pow: Logarithm of the partition octanol-water.  
NOEC: No observed effect concentration.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2015/830.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



## ACROAL

**Version: 3**  
**Revision date: 03/02/2020**

**Page 11 of 11**  
**Print date: 03/02/2020**

1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.