

Anodal OL p

Page 1(13)

Substance key: KS2606

Revision Date: 08.07.2022

Version : 1 - 3 / EU

Date of printing : 10.12.2022

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

1.1. Product identifier

Trade name

Anodal OL p

Material number: 102707

Chemical nature:

FORMALDEYDE, POLYMERS WITH SULFONATED 1,1'-
OXYBIS(METHYLBENZENE), SODIUM SALTS (CA INDEX
NAME)

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

Relevant identified uses of the substance or mixture

Industry sector :

Industrial Performance Chemicals

Type of use :

Intermediate

1.3. Details of the supplier of the safety data sheet

Identification of the company

Heubach Colorants Germany GmbH

Brüningstraße 50

65929 Frankfurt am Main

Telephone no. : +49 69 305 13619

Information about the substance/mixture

Product Stewardship

e-mail: SDS.PI.Europe@clariant.com

1.4. Emergency telephone number

00800-5121 5121 (24 h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Long-term (chronic) aquatic hazard,
Category 3

H412: Harmful to aquatic life with long lasting
effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : H412 Harmful to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P273 Avoid release to the environment.

Disposal:

P501 Dispose of contents/ container to an approved waste
disposal plant.

Anodal OL p

Page 2(13)

Substance key: KS2606

Revision Date: 08.07.2022

Version : 1 - 3 / EU

Date of printing : 10.12.2022

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Dust can form an explosive mixture in air.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : polyaryl sulfonate
Mixture

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Formaldehyde, polymers with sulfonated 1,1'-oxybis[methylbenzene], sodium salts	73378-66-2	Aquatic Chronic 3; H412	>= 70 - < 90

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Remove/ Take off immediately all contaminated clothing.

If inhaled : If inhaled, remove to fresh air.
Give oxygen or artificial respiration if needed.
If the patient is likely to become unconscious, place and transport in the recovery position
Do not use mouth-to-mouth or mouth-to-nose resuscitation.
Call a physician if irritation develops or persists.

In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off immediately with plenty of water.
Wash contaminated clothing before re-use.
Thoroughly clean shoes before reuse.
Call a physician if irritation persists.

In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids.
Remove contact lenses, if present and easy to do. Continue

Anodal OL p

Page 3(13)

Substance key: KS2606

Revision Date: 08.07.2022

Version : 1 - 3 / EU

Date of printing : 10.12.2022

rinsing.
If symptoms persist, call a physician.

If swallowed : Rinse mouth with water.
Keep warm and in a quiet place.
If conscious, give the victim plenty of water to drink.
Drink water in small gulps.
Never give anything by mouth to an unconscious person.
Do not induce vomiting without medical advice.
If a person vomits when lying on his back, place him in the recovery position.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : None known.

Risks : 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 : Dry chemical
Carbon dioxide (CO₂)
Dry powder

Unsuitable extinguishing media : water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
Carbon dioxide (CO₂)
Carbon monoxide
Sulphur dioxide

5.3 Advice for firefighters

Special protective equipment for firefighters : Self-contained breathing apparatus

Further information : Do not allow run-off from fire fighting to enter drains or water courses.
Cool endangered containers with water spray jet.

Anodal OL p

Page 4(13)

Substance key: KS2606

Revision Date: 08.07.2022

Version : 1 - 3 / EU

Date of printing : 10.12.2022

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear personal protective equipment. Unprotected persons must be kept away.
Ensure adequate ventilation.
Keep people away from and upwind of spill/leak.
Do not breathe dust.
Combustible Solids

6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.
Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Clean-up methods - small spillage
Sweep up or vacuum up spillage and collect in suitable container for disposal.
Dispose of contaminated material as prescribed
Clean-up methods - large spillage
Keep in suitable, closed containers for disposal.
Non-sparking tools should be used.
Prevent product from entering drains.
Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections

Information regarding Safe handling, see chapter 7., 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 : Avoid dust formation.
Handle substance within a closed system.
With Local Exhaust Ventilation

Advice on protection against fire and explosion : Take precautionary measures against static discharges.
Electrical equipment should be protected to the appropriate standard. Dust may form explosive mixture in air. Keep away sources of ignition.

Hygiene measures : Take off immediately all contaminated clothing. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product.

Anodal OL p

Page 5(13)

Substance key: KS2606

Revision Date: 08.07.2022

Version : 1 - 3 / EU

Date of printing : 10.12.2022

7.2 Conditions for safe storage, including any incompatibilities

Further information on storage conditions : Keep container tightly closed. Keep container dry.

7.3 Specific end use(s)

Specific use(s) : No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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

Substance name	End Use	Exposure routes	Potential health effects	Value
Sodium sulphate CAS-No.: 7757-82-6	Workers	Inhalation	Long-term systemic effects	20 mg/m3
	Remarks:DNEL			
	Workers	Inhalation	Long-term local effects	20 mg/m3
	Remarks:DNEL			
	General population	Inhalation	Long-term systemic effects	12 mg/m3
	Remarks:DNEL			
	General population	Inhalation	Long-term local effects	12 mg/m3
	Remarks:DNEL			

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

Substance name	Environmental Compartment	Value
Sodium sulphate CAS-No.: 7757-82-6	Fresh water	11,09 mg/l
	Marine water	1,109 mg/l
	Water (intermittent release)	17,66 mg/l
	Fresh water sediment	40,2 mg/kg dry weight (d.w.)
	Marine sediment	4,02 mg/kg dry weight (d.w.)
	Soil	1,54 mg/kg dry weight (d.w.)
	Sewage treatment plant	800 mg/l

8.2 Exposure controls

Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Eye protection : Tightly fitting safety goggles

Hand protection

Remarks : Chemical resistant gloves Impervious gloves Gloves should

Anodal OL p

Page 6(13)

Substance key: KS2606

Revision Date: 08.07.2022

Version : 1 - 3 / EU

Date of printing : 10.12.2022

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).

Material	:	Chloroprene
Break through time	:	< 60,0 min
Skin and body protection	:	Wear suitable protective clothing.
Respiratory protection	:	In case of dust formation, use a fine dust face mask. Filter equipment with particle filter.
Protective measures	:	Remove/ Take off immediately all contaminated clothing. Wash face, hands and any exposed skin thoroughly after handling. Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	powder
Colour	:	yellow
Odour	:	odourless
Odour Threshold	:	not required
Melting point	:	> 200 °C Decomposition: yes
Boiling point	:	(1.013 hPa) Decomposition: yes Not applicable
Flammability	:	not determined
Upper explosion limit / upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	>= 210 °C
pH	:	5,0 - 8,0

Anodal OL p

Page 7(13)

Substance key: KS2606

Revision Date: 08.07.2022

Version : 1 - 3 / EU

Date of printing : 10.12.2022

Concentration: 10 g/l

Viscosity	
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable
Solubility(ies)	
Water solubility	: 200 g/l (20 °C) soluble
Partition coefficient: n- octanol/water	: not determined
Relative density	: no data available
Density	: not determined
Bulk density	: approx. 550 kg/m ³
Relative vapour density	: Not applicable
Particle characteristics	
Particle size	: not determined

9.2 Other information

Oxidizing properties	: no data available
Metal corrosion rate	: Not applicable
Impact sensitivity	: Not impact sensitive.
Evaporation rate	: Not applicable
Minimum ignition energy	: not determined
Molecular weight	: 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

10.3 Possibility of hazardous reactions

Hazardous reactions : Risk of dust explosion.

10.4 Conditions to avoid

Conditions to avoid : Keep away from heat and sources of ignition.

Anodal OL p

Page 8(13)

Substance key: KS2606

Revision Date: 08.07.2022

Version : 1 - 3 / EU

Date of printing : 10.12.2022

10.5 Incompatible materials

Materials to avoid : None.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

Skin corrosion/irritation

Product:

Species : Rabbit

Result : No skin irritation

Serious eye damage/eye irritation

Product:

Species : Rabbit

Result : No eye irritation

Respiratory or skin sensitisation

Product:

Remarks : no data available

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Remarks: no data available

Germ cell mutagenicity-
Assessment : No information available.

Carcinogenicity

Product:

Carcinogenicity -
Assessment : No information available.

Anodal OL p

Page 9(13)

Substance key: KS2606

Revision Date: 08.07.2022

Version : 1 - 3 / EU

Date of printing : 10.12.2022

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : No information available.

STOT - single exposure

Product:

Remarks : no data available

STOT - repeated exposure

Product:

Remarks : no data available

Repeated dose toxicity

Product:

Remarks : This information is not available.

Aspiration toxicity

Product:

no data available

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : LC0 (Brachydanio rerio (zebrafish)): > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC0 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l
Exposure time: 72 h

Toxicity to fish (Chronic) : Remarks: no data available

Anodal OL p

Page 10(13)

Substance key: KS2606

Revision Date: 08.07.2022

Version : 1 - 3 / EU

Date of printing : 10.12.2022

toxicity)

Toxicity to microorganisms : IC50 (activated sludge): > 100 mg/l
End point: Bacteria toxicity (respiration inhibition)
Method: OECD Test Guideline 209

Components:

Formaldehyde, polymers with sulfonated 1,1'-oxybis[methylbenzene], sodium salts:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 200 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): 17 mg/l
plants Exposure time: 72 h

12.2 Persistence and degradability

Product:

Biodegradability : Test Type: aerobic
Result: Not readily biodegradable.
Biodegradation: 25 - 50 %
Related to: TOC
Method: OECD Confirmatory Test

Chemical Oxygen Demand : 1.270 mg/g
(COD)

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: no data available

12.4 Mobility in soil

no data available

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 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

Anodal OL p

Page 11(13)

Substance key: KS2606

Revision Date: 08.07.2022

Version : 1 - 3 / EU

Date of printing : 10.12.2022

levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Environmental fate and pathways : no data available

Additional ecological information : Product does not contain any organic bound Halogens which could lead to AOX-values.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Incineration in an approved, controlled furnace with combustion gas scrubbing and emission gas control. Observe national and local legal requirements

Contaminated packaging : Dispose of in accordance with local regulations.

SECTION 14: Transport information

Section 14.1. to 14.5.

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Anodal OL p

Page 12(13)

Substance key: KS2606

Revision Date: 08.07.2022

Version : 1 - 3 / EU

Date of printing : 10.12.2022

Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors	: Neither banned nor restricted
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable

Other regulations:

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

15.2 Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Full text of H-Statements

H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Chronic : Long-term (chronic) aquatic hazard

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect

Anodal OL p

Page 13(13)

Substance key: KS2606

Revision Date: 08.07.2022

Version : 1 - 3 / EU

Date of printing : 10.12.2022

Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Aquatic Chronic 3

H412

Classification procedure:

Calculation method

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Heubach makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Heubach's products for its particular application. Nothing included in this information waives any of Heubach's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Heubach products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Heubach.

REG_EU / EN