Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)

arichemie PIGMENT PREPARATIONS

Trade name :	HELIOCOLOR-W RED 122		
Revision date :	13.12.2023	**Version (Revision) :**	10.0.1 (10.0.0)
Print date :	08.03.2024		

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

1.1 Product identifier
HELIOCOLOR-W RED 122 (R2-8250-5)

1.2 Relevant identified uses of the substance or mixture and uses advised against
Voluntary safety information following the Safety Data Sheet format according to Regulation (EC) No. 1907/2006 (REACH)

Relevant identified uses
Coatings and paints, fillers, putties, thinners , PC 1 - Adhesives, sealants , AC 13 - Plastic articles

1.3 Details of the supplier of the safety data sheet
Supplier
Arichemie GmbH
Füllstoff- und Farbenfabrik

Street : Valterweg 21 - 22

Postal code/City : 65817 Eppstein-Bremthal

Telephone : (0049) 6198 / 5912-0

Information contact : E-Mail: klaus.saurbier@arichemie.com

1.4 Emergency telephone number
(0049) 6198 / 5912-11 Only during office hours. German and English
Österreich (0043) 1406 43 43 (Gesundheit Österreich GmbH, 24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP]
None

2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

2.3 Other hazards
Adverse environmental effects
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Hazardous ingredients

ALKYLOLAMMONIUM SALT ; REACH No. : Polymer ; EC No. : 812-737-2; CAS No. : 398475-96-2

Weight fraction : ≥ 1 - < 2,5 %

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319 Aquatic Chronic 2 ; H411

Further ingredients

1,2-Cyclohexanedicarboxylic acid, 1,2-diisononyl ester ; REACH No. : 01-0000017810-74-xxxx ; EC No. : 431-890-2; CAS No. : 166412-78-8

Weight fraction : ≥ 75 - < 80 %

Pigment Red 122 ; REACH No. : 01-2119456804-33-0000 ; EC No. : 213-561-3; CAS No. : 980-26-7
Weight fraction : ≥ 15 - < 20 %

Kaolin ; REACH No. : Annex IV Mineral ; EC No. : 310-194-1; CAS No. : 1332-58-7
Weight fraction : ≥ 1 - < 5 %

Additional information
For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
When in doubt or if symptoms are observed, get medical advice.

Following inhalation
Provide fresh air. If unconscious but breathing normally, place in recovery position and seek medical advice. In case of respiratory tract irritation, consult a physician.

In case of skin contact
Wash immediately with: Water and soap

After eye contact
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Following ingestion
If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed
No information available.

4.3 Indication of any immediate medical attention and special treatment needed
None

SECTION 5: Firefighting measures

5.1 Extinguishing media
Water spray jet Extinguishing powder Foam

Unsuitable extinguishing media
Full water jet

5.2 Special hazards arising from the substance or mixture
Nitrogen oxides (NOx) Carbon monoxide Carbon dioxide (CO2)

5.3 Advice for firefighters

Special protective equipment for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protection equipment. See protective measures under point 7 and 8.

6.2 Environmental precautions
Do not allow to enter into surface water or drains. Clean contaminated articles and floor according to the environmental

legislation. Retain contaminated washing water and dispose it.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

All work processes must always be designed so that the following is excluded: Skin contact Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and in a well-ventilated place. Recommended storage temperature at room temperature

Hints on joint storage

Storage class (TRGS 510) : 10

Further information on storage conditions

Do not store at temperatures above 50°C Do not store at temperatures below 5°C

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL-/PNEC-values

DNEL/DMEL

1,2-Cyclohexanedicarboxylic acid, 1,2-diisononyl ester ; CAS No. : 166412-78-8

Limit value type :	DMEL worker (systemic)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	235 mg/m³
Limit value type :	DMEL worker (systemic)
Exposure route :	Dermal
Exposure frequency :	Long-term
Limit value :	42 mg/kg

Pigment Red 122 ; CAS No. : 980-26-7

Limit value type :	DNEL worker (local)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	3 mg/kg bw/day
Limit value type :	DNEL worker (systemic)
Exposure route :	Dermal
Exposure frequency :	Long-term
Limit value :	42 mg/kg bw/day
Limit value type :	DNEL worker (systemic)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	147 mg/m³

Kaolin ; CAS No. : 1332-58-7

Limit value type :	DNEL/DMEL (Industrial)
Exposure route :	Inhalation

Exposure frequency : Long-term
Limit value : 2 mg/m³
Assessment factor : 8 h

PNEC

1,2-Cyclohexanedicarboxylic acid, 1,2-diisononyl ester ; CAS No. : 166412-78-8

Limit value type : PNEC (Soil)
Exposure route : Soil
Exposure time : Short-term
Limit value : 44,7 mg/kg

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection

Eye glasses with side protection

Skin protection

Hand protection

Suitable gloves type EN ISO 374 Suitable material NBR (Nitrile rubber) Thickness of the glove material 0,4mm Breakthrough time > 480 min. Breakthrough times and swelling properties of the material must be taken into consideration. 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.

General information

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Remove contaminated, saturated clothing immediately.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour : red

Appearance

Physical state : Liquid

Odour

characteristic

Safety characteristics

Initial boiling point and boiling range :	(1013 hPa)	>	100	°C	
Flash point :		>	100	°C	
Vapour pressure :	(50 °C)	<	1000	hPa	
Density :	(20 °C)	approx.	1,02	g/cm³	
Flow time :	(20 °C)	>	90	s	DIN-cup 4 mm
Maximum VOC content (EC) :			0,001	Weight-%	
Melting point/freezing point :	No data available				
Decomposition temperature :	No data available				
Auto-ignition temperature :	No data available				
Lower explosion limit :	No data available				
Upper explosion limit :	No data available				
Water solubility :	practically insoluble				
pH :	not applicable				
log P O/W :	No data available				
Odour threshold :	No data available				
Relative vapour density :	No data available				
Vapourisation rate :	No data available				

Oxidising liquids : No data available.
Explosive properties : No data available.

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

None, if handled according to order.

10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

10.3 Possibility of hazardous reactions

In case of exceeding the storage time: Danger of polymerisation.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Exothermic reaction with: Alkali (lye), concentrated. Acid, concentrated. Oxidizing agent.

10.6 Hazardous decomposition products

Carbon dioxide. Carbon monoxide Nitrogen oxides (NOx).

SECTION 11: Toxicological information

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

Acute toxicity

Acute oral toxicity

Parameter : ATEmix
Exposure route : Oral
Effective dose : not relevant
No data available

Acute dermal toxicity

Parameter : ATEmix
Exposure route : Dermal
Effective dose : not relevant
No data available

STOT-single exposure

No data available

Acute inhalation toxicity

Parameter : ATEmix
Exposure route : Inhalation (vapour)
Effective dose : not relevant
No data available

Corrosion

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

Skin sensitisation

No data available

Sensitisation to the respiratory tract
No data available

Repeated dose toxicity (subacute, subchronic, chronic)
No data available

Subacute dermal toxicity

Practical experience/human evidence
No data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
No data available

Carcinogenicity
No data available

Aspiration hazard
No data available

11.2 Information on other hazards
No information available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity
The product has not been tested. The statement is derived from the properties of the single components.

Chronic (long-term) fish toxicity
The product has not been tested. The statement is derived from the properties of the single components.

Acute (short-term) toxicity to crustacea
The product has not been tested.

Chronic (long-term) toxicity to aquatic invertebrate
The product has not been tested.

12.2 Persistence and degradability
No information available.

12.3 Bioaccumulative potential
No information available.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties
No information available.

12.7 Other adverse effects
No information available.

12.8 Additional ecotoxicological information
Harmful to aquatic life. May cause long lasting harmful effects to aquatic life.

SECTION 13: Disposal considerations

Product/Packaging disposal Handle contaminated packages in the same way as the substance itself. Dispose according to legislation. Do not allow to enter into surface water or drains.

13.1 Waste treatment methods

Waste code product 080112 List of proposed waste codes/waste designations in accordance with AAV

SECTION 14: Transport information

14.1 UN number or ID number
No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name
No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)
No dangerous good in sense of these transport regulations.

14.4 Packing group
No dangerous good in sense of these transport regulations.

14.5 Environmental hazards
No dangerous good in sense of these transport regulations.

14.6 Special precautions for user
None

14.7 Maritime transport in bulk according to IMO instruments
not applicable

SECTION 15: Regulatory information

according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 878/2020)

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

National regulations

Water hazard class

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

Percentage of carcinogenic substances WGK 2 :	< 0,1 %
Percentage of carcinogenic substances WGK 3 :	< 0,1 %
Percentage of carcinogenic substances :	< 0,1 %
Percentage of substances WGK 2 :	4,9 %
Percentage of substances WGK 1 :	94,1 %
Percentage of substances non-hazardous to water (nwg) :	1 %

15.2 Chemical Safety Assessment
No information available.

SECTION 16: Other information

16.1 Indication of changes
07. Hints on joint storage - Storage class

16.2 Abbreviations and acronyms
None

16.3 Key literature references and sources for data
None

16.4 Relevant H- and EUH-phrases (Number and full text)

H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

16.5 Training advice

None

16.6 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.