

**Safety data sheet
according to 1907/2006/EC, Article 31**

Printing date 18.07.2023

Version number 39 (replaces version 38)

Revision: 13.06.2023

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

1.1 Product identifier

Trade name: IJMOCOLOR RE
colourpaste

Article number: 501
UFI: W7A2-70W2-V00U-0HYM

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

Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU19 Building and construction work
SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

Product category PC0 Other
Process category PROC5 Mixing or blending in batch processes
PROC19 Manual activities involving hand contact

Environmental release category ERC2 Formulation into mixture
ERC5 Use at industrial site leading to inclusion into/onto article
ERC8c Widespread use leading to inclusion into/onto article (indoor)
ERC8f Widespread use leading to inclusion into/onto article (outdoor)

Article category AC13 Plastic articles
Application of the substance / the mixture See our technical datasheet for application details of this product.
Dyestuff/Colouring agent
Pigment

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: De IJssel Coatings BV, Centrumbaan 960, NL 2841 MH Moordrecht
Tel: +31 182 372177, E-mail: info@de-ijssel-coatings.nl

Further information obtainable from: Research and Development.

1.4 Emergency telephone number:

De IJssel Coatings BV, Tel. +31 182 372177, E-mail: safety@de-ijssel-coatings.nl
Office hours: working days from 08:00 to 17:00 hrs.

* SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

 GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07

Signal word Warning

Hazard-determining components of labelling:

tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate

Hazard statements

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P362+P364 Take off contaminated clothing and wash it before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

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Dispose of contents/container in accordance with local/regional/national/international regulations.

· 2.3 Other hazards

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

*** SECTION 3: Composition/information on ingredients**

· 3.2 Mixtures

- Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 136210-30-5 ELINCS: 429-270-1 Index number: 607-521-00-8 Reg.nr.: 01-0000017556-64	tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate ⚠ Skin Sens. 1, H317; Aquatic Chronic 3, H412	25 – 50%
CAS: 623-91-6 EINECS: 210-819-7	diethyl fumarate ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335	2.500%

- Additional information: For the wording of the listed hazard phrases refer to section 16.

*** SECTION 4: First aid measures**

· 4.1 Description of first aid measures

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

· 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

· 5.3 Advice for firefighters

- Protective equipment: No special measures required.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Not required.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

*** SECTION 7: Handling and storage**

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.

· Information about fire - and explosion protection:

No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Store material in original, tightly closed containers in a cool, well-ventilated area in accordance with applicable (local) regulations. Depending on total volume stored, the storage area should comply with PGS15.

· Information about storage in one common storage facility:

Not required.

· Further information about storage conditions:

Keep container tightly sealed.

· Recommended storage temperature:

5 - 30 °C

· 7.3 Specific end use(s)

No further relevant information available.

*** SECTION 8: Exposure controls/personal protection**

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· DNEL (Derived No Effect Level) for workers

136210-30-5 tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate

Dermal	Long-term - systemic effects, worker	4 mg/kg bw/day (Worker)
Inhalative	Acute - systemic effects, worker	112 mg/m ³ (Worker)
	Long-term - systemic effects, worker	28 mg/m ³ (Worker)

· DNEL (Derived No Effect Level) for the general population

136210-30-5 tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate

Oral	Acute - systemic effects, general population	1.4 mg/kg bw/day (General population)
	Long-term - systemic effects, general population	1.4 mg/kg bw/day (General population)
Dermal	Acute - systemic effects, general population	1.4 mg/kg bw/day (General population)
	Long-term - systemic effects, general population	1.4 mg/kg bw/day (General population)
Inhalative	Acute - systemic effects, general population	4.8 mg/m ³ (General population)

· PNEC (Predicted No Effect Concentration) values

136210-30-5 tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate

Aquatic compartment - freshwater	0.00013 mg/l (Freshwater)
Aquatic compartment - marine water	0.000013 mg/l (Marine water)
Aquatic compartment - sediment in freshwater	0.21 mg/kg sed dw (Sediment freshwater)
Aquatic compartment - sediment in marine water	0.02 mg/kg sed dw (Sediment marine water)
Terrestrial compartment - soil	0.1 mg/kg dw (Soil)

· Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Appropriate engineering controls No further data; see section 7.
 · Individual protection measures, such as personal protective equipment
 · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes.
 Avoid contact with the eyes and skin.

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- Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Hand protection: Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves: Nitrile rubber, NBR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Recommended thickness of the material: ≥ 0.3 mm
- Penetration time of glove material: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).
- For the permanent contact gloves made of the following materials are suitable: Nitrile rubber, NBR
- As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR
- Not suitable are gloves made of the following materials: Leather gloves
Strong material gloves
- Eye/face protection: Tightly sealed goggles

* **SECTION 9: Physical and chemical properties**

· 9.1 Information on basic physical and chemical properties

- General Information
- Physical state: Fluid
- Colour: According to product specification
- Odour: Characteristic
- Odour threshold: Not determined.
- Melting point/freezing point: Undetermined.
- Boiling point or initial boiling point and boiling range: Undetermined.
- Flammability: Not applicable.
- Lower and upper explosion limit
- Lower: Not determined.
- Upper: Not determined.
- Flash point: 145 °C (Pensky Martens, ASTM D93)
- Decomposition temperature: Not determined.
- pH at 20 °C: 7
- Viscosity:
- Kinematic viscosity: Not determined.
- Dynamic: Not determined.
- Solubility
- water: Not miscible or difficult to mix.
- Partition coefficient n-octanol/water (log value): Not determined.
- Vapour pressure at 20 °C: 10 hPa
- Density and/or relative density
- Density at 20 °C: 1.677 g/cm³ (DIN 51757, ASTM D 1298)
- Relative density: Not determined.
- Vapour density: Not determined.

· 9.2 Other information

- Appearance:
- Form: Fluid
- Important information on protection of health and environment, and on safety.
- Ignition temperature: Product is not selfigniting.

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· Explosive properties:	Product does not present an explosion hazard.
· VOC:	
· VOC (2004/42/EC):	0.00 %
· Solids content:	98.5 %
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- Acute toxicity Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:

Components	Type	Value	Species
ATE (Acute Toxicity Estimates)			
Oral	LD50	71,200 mg/kg	(Rat)

623-91-6 diethyl fumarate

Oral	LD50	1,780 mg/kg	(Rat)
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- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Causes serious eye irritation.
- Respiratory or skin sensitisation May cause an allergic skin reaction.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

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· 11.2 Information on other hazards

· Endocrine disrupting properties
None of the ingredients is listed.

*** SECTION 12: Ecological information**

· 12.1 Toxicity

· Aquatic toxicity: No further relevant information available.

· 12.2 Persistence and degradability

No further relevant information available.

· 12.3 Bioaccumulative potential

No further relevant information available.

· 12.4 Mobility in soil

No further relevant information available.

· 12.5 Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects

· Remark: Harmful to fish

· Additional ecological information:

· General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Harmful to aquatic organisms

*** SECTION 13: Disposal considerations**

· 13.1 Waste treatment methods

· Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue	
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
HP13	Sensitising
HP14	Ecotoxic

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number	Void
· ADR/RID/ADN, ADN, IMDG, IATA	
· 14.2 UN proper shipping name	Void
· ADR/RID/ADN, ADN, IMDG, IATA	
· 14.3 Transport hazard class(es)	Void
· ADR/RID/ADN, ADN, IMDG, IATA	
· Class	
· 14.4 Packing group	Void
· ADR/RID/ADN, ADN, IMDG, IATA	
· 14.5 Environmental hazards:	No
· Marine pollutant:	
· 14.6 Special precautions for user	Not applicable.

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· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
· Directive 2012/18/EU	
· Named dangerous substances - ANNEX I	None of the ingredients is listed.
· REGULATION (EC) No 1907/2006 ANNEX XVII	Conditions of restriction: 3
· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II	None of the ingredients is listed.
· REGULATION (EU) 2019/1148	
· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))	None of the ingredients is listed.
· Annex II - REPORTABLE EXPLOSIVES PRECURSORS	None of the ingredients is listed.
· Regulation (EC) No 273/2004 on drug precursors	None of the ingredients is listed.
· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors	None of the ingredients is listed.
· 15.2 Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases	H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects.
· Classification according to Regulation (EC) No 1272/2008	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
Serious eye damage/irritation Skin sensitisation Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· Department issuing SDS:	Research and Development
· Contact:	Saïda El Asjadi, tel: +31 182 372177, e-mail: safety@de-ijsse-coatings.nl
· Date of previous version:	28.01.2022
· Version number of previous version:	38
· Abbreviations and acronyms:	RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)

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VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
Literature data and/or investigation reports are available through the manufacturer.

- Sources:
- * Data compared to the previous version altered.