

Safety Data Sheet

according to UK REACH Regulation

Universal Colour Paste signal blue (RAL 5005)

Revision date: 01.10.2021

Product code: 132110

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

1.1. Product identifier

Universal Colour Paste signal blue (RAL 5005)

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

Use of the substance/mixture

For the pigmentation of EP, UP or PU resins and for condensation-curing silicon moulding compounds (cannot be used for addition-curing silicone moulding compounds).

1.3. Details of the supplier of the safety data sheet

Company name:	R&G Faserverbundwerkstoffe GmbH	
Street:	Im Meißel 7 - 13	
Place:	D-71111 Waldenbuch	
Post-office box:	1145	
	D-71107 Waldenbuch	
Telephone:	+49-7157-530460	Telefax: +49-7157-530470
e-mail:	info@r-g.de	
Contact person:	Michael Groß	
e-mail:	info@r-g.de	
Internet:	www.r-g.de	
Responsible Department:	Management	

1.4. Emergency telephone number: Vergiftungs-Informationen-Zentrale Freiburg
Tel: +49 (0)761 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Hazard categories:

Respiratory or skin sensitisation: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction.

This mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Fettsäure, C18-ungesät., Trimere, Vbgn.mit Oleylamin

Fettsäure, Talloel, Verbindung mit Oleylamin

[N,N,N',N',N'',N''-hexaethyl-29H,31H-phthalocyanintrimethylaminato(2-)-N29,N

Special labelling of certain mixtures

EUH208	Contains Fettsäure, Talloel, Verbindung mit Oleylamin. May produce an allergic reaction.
EUH210	Safety data sheet available on request.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	GHS Classification	
123-86-4	n-butyl acetate	1 - < 5 %
	204-658-1	01-2119485493-29
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066	
77-99-6	Propylidyntrimethanole	< 1 %
	201-074-9	01-2119486799-10
	Repr. 2; H361fd	
85711-55-3	Fettsäure, Talloel, Verbindung mit Oleylamin	< 0,1 %
	288-315-1	01-2119974148-28
	Eye Dam. 1, Skin Sens. 1A, STOT RE 2; H318 H317 H373	

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In all cases of doubt, or when symptoms persist, seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious but breathing normally, place in recovery position and seek medical advice.

After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After contact with skin

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use for cleaning purposes.: Solvent/Thinner.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After 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. Put victim at rest, cover with a blanket and keep warm.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

alcohol resistant foam, Carbon dioxide, Powder, Water spray.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke. Hazardous decomposition products: carbon black. Health hazard. Use appropriate respiratory protection.

5.3. Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers. 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**

Ventilate affected area. Do not breathe dust/fume/gas/mist/vapours/spray.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform

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the responsible authorities.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. Only use the material in places where open light, fire and other flammable sources can be kept away.

Use explosion-proof electrical equipment. Filling and transfer: Take precautionary measures against static discharges.

Provide earthing of containers, equipment, pumps and ventilation facilities. Wear anti-static footwear and clothing Use only antistatically equipped (spark-free) tools.

Avoid contact with skin, eyes, and clothing. Avoid: Inhalation of vapours or spray/mists, Inhalation of dust/particles. When using do not eat, drink, smoke, sniff. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Never use pressure to empty container. Keep/Store only in original container.

Do not allow to enter into surface water or drains.

Advice on protection against fire and explosion

Solvent vapours are heavier than air, spread on the ground and form explosive mixtures with air mixtures.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Store in accordance with: Betriebssicherheitsverordnung (BetrSichV)

Hints on joint storage

Keep away from: Strong acid, Strong alkali, Oxidizing agents.

Further information on storage conditions

Follow the instructions for use on the label. Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep away from sources of ignition - No smoking. Store in a place accessible by authorized persons only. Always close containers tightly after the removal of product.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
123-86-4	n-butyl acetate			
Worker DNEL, acute		inhalation	local	600 mg/m ³
Worker DNEL, long-term		inhalation	local	300 mg/m ³
Consumer DNEL, acute		inhalation	local	300 mg/m ³
Consumer DNEL, long-term		inhalation	local	35,7 mg/m ³
Worker DNEL, long-term		dermal	systemic	11 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	11 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	6 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	6 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	2 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	2 mg/kg bw/day

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PNEC values

CAS No	Substance	
Environmental compartment		Value
123-86-4	n-butyl acetate	
Freshwater		0,18 mg/l
Marine water		0,018 mg/l
Freshwater sediment		0,981 mg/kg
Marine sediment		0,0981 mg/kg
Micro-organisms in sewage treatment plants (STP)		35,6 mg/l
Soil		0,0903 mg/kg

8.2. Exposure controls**Appropriate engineering controls**

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Eye/face protection

Wear eye/face protection.

Hand protection

Wear protective gloves. Replace when worn! The design of chemical protective gloves must be selected specifically for the workplace, depending on the concentration and quantity of the hazardous substance. It is recommended to clarify the chemical resistance of the above mentioned protective gloves for special applications with the glove manufacturer. The wearing time limits according to the manufacturer's specifications must be observed.

Suitable material: FKM (fluororubber). Breakthrough time: >480 min.

Protect skin by using skin protective cream. Use protective skin cream before handling the product.

Skin protection

Wear anti-static footwear and clothing (antistatic) Natural fibres (e.g. cotton), heat-resistant synthetic fibres.

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values. Use suitable breathing apparatus.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	Signal blue RAL 5005
Odour:	like: Solvents

Changes in the physical state

Melting point/freezing point:	not applicable
Boiling point or initial boiling point and boiling range:	124 °C

Explosive properties

not applicable

Auto-ignition temperature:	>200 °C
Vapour pressure: (at 20 °C)	0,38 hPa
Density (at 20 °C):	1,33 g/cm ³
Evaporation rate:	not applicable
Solvent separation test:	<3 % (land transport (ADR/RID))
Solvent content:	2,04 %

9.2. Other information

Solid content:	97,96 %
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SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

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10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Strong acid, Strong alkali, Oxidizing agents.

10.6. Hazardous decomposition productsNitrogen oxides (NOx), carbon black, Carbon dioxide (CO₂), Carbon monoxide.**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Contains Fettsäure, Talloel, Verbindung mit Oleylamin. May produce an allergic reaction. May cause an allergic skin reaction. (Fettsäure, Talloel, Verbindung mit Oleylamin)

Carcinogenic/mutagenic/toxic effects for reproduction

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.

Observations relevant to classification

Following inhalation:

Possible adverse effects on humans and possible symptoms: May cause respiratory irritation. May cause damage to the liver if inhaled. May cause damage to the kidneys if inhaled. Central nervous system depression.

Following eye contact:

May be absorbed through the skin. Frequent and prolonged skin contact may cause skin irritation. Has a degreasing effect on the skin.

Further information

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

SECTION 12: Ecological information**12.2. Persistence and degradability**

No data available

12.3. Bioaccumulative potential

No data available

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains.

Observe regulations when disposing.

Contaminated packaging

Non-contaminated packages may be recycled.

Observe regulations when disposing.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)**14.1. UN number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

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14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**Marine transport (IMDG)****14.1. UN number:** No dangerous good in sense of this transport regulation.**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number:** No dangerous good in sense of this transport regulation.**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2010/75/EU (VOC): 2,041 % (27,227 g/l)

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information**Abbreviations and acronyms**ADR: Accord européen sur le transport 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 Harmonized 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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains Fettsäure, Talloel, Verbindung mit Oleylamin. May produce an allergic reaction.
EUH210 Safety data sheet available on request.
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)