

**LIFE COLOURS**

00336-0003

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

**1.1. Product identifier**

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

**Use of the substance/mixture**

Paint

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

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**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

Indications of danger : Irritant

R-phrases:

Flammable.

Irritating to eyes.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**GHS classification**

Hazard categories:

Flammable liquid: Flam. Liq. 3

Serious eye damage/eye irritation: Eye Dam. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Flammable liquid and vapour.

Causes serious eye damage.

Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

**Pictograms:**

GHS02-GHS05



**Signal word:**

Danger

**Hazardous components which must be listed on the label**

Butyl glycollate

**Hazard statements**

H226 Flammable liquid and vapour.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container to in accordance with local and national regulations.

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### 2.3. Other hazards

Vapours may form explosive mixture with air.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture of organic solvents

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
204-626-7	4-Hydroxy-4-methylpentan-2-one	10 - 25 %
123-42-2	Xi - Irritant R36	
603-016-00-1	Eye Irrit. 2; H319	
265-199-0	Solvent naphta (petroleum)	5 - 10 %
64742-95-6	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R10-37-51-53-65-66-67 Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411	
01-2119455851-35		
252-104-2	(2-methoxymethylethoxy)propanol	5 - 10 %
34590-94-8		
230-991-7	Butyl glycollate	5 - 10 %
7397-62-8	Xi - Irritant R41 Eye Dam. 1; H318	
202-436-9	1,2,4-Trimethylbenzene	2,5 - 5 %
95-63-6	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R10-20-36/37/38-51-53	
601-043-00-3	Flam. Liq. 3, Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Aquatic Chronic 2; H226 H332 H319 H335 H315 H411	
203-604-4	Trimethylbenzenes, all isomers or mixtures	< 1 %
108-67-8	Xi - Irritant, N - Dangerous for the environment R10-37-51-53	
601-025-00-5	Flam. Liq. 3, STOT SE 3, Aquatic Chronic 2; H226 H335 H411	
202-704-5	Cumene	< 1 %
98-82-8	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R10-65-37-51-53	
601-024-00-X	Flam. Liq. 3, Asp. Tox. 1, STOT SE 3, Aquatic Chronic 2; H226 H304 H335 H411	

Full text of R and H phrases: see Section 16.

#### Further Information

According to note P to the regulation (EC) no. 1272/2008, "Solvent naphta (petroleum)" is not to be classified as "carcinogenic" or "mutagen" ingredient because a benzene content (EINECS No. 200-753-7) is below 0.1 % by weight.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.  
If you feel unwell, seek medical advice.  
Adhere to personal protective measures when giving first aid.

#### After inhalation

Move to fresh air in case of accidental inhalation of vapours.  
In the event of symptoms refer for medical treatment.

#### After contact with skin

Wash off immediately with plenty of water and soap for at least 15 minutes.  
Consult a doctor if skin irritation persists.

#### After contact with eyes

Remove contact lens.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

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Seek medical treatment by eye specialist.

**After ingestion**

Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.  
Never give anything by mouth to an unconscious person.  
Summon a doctor immediately.  
Induce vomiting only upon the advice of a physician.

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

Causes serious eye damage.

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

Treat symptoms.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

**Extinguishing media which must not be used for safety reasons**

Full water jet.

**5.2. Special hazards arising from the substance or mixture**

Fire may produce:  
Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective suit.

**Additional information**

Cool containers at risk with water spray jet.  
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.  
Do not release chemically contaminated water into drains, soil or surface waters. Sufficient measures must be taken to retain water used for extinguishing.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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**SECTION 6: Accidental release measures**

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

In case of vapour formation use respirator.  
Use only explosion-proof equipment.  
Ensure adequate ventilation.  
Remove persons to safety.  
Use personal protective clothing.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.  
Do not discharge into the subsoil/soil.

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).  
Shovel into suitable container for disposal.  
Clean contaminated surface thoroughly.

**6.4. Reference to other sections**

Observe protective instructions (see Sections 7 and 8).  
Information for disposal look up chapter 13.

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Keep container tightly closed.  
Vapours are heavier than air and spread along ground.  
Avoid contact with the skin and the eyes.  
Do not breathe vapours.

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**Advice on protection against fire and explosion**

Do not smoke - volatile.  
Keep away from heat and sources of ignition.  
Take precautionary measures against static discharges.

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

**Requirements for storage rooms and vessels**

Keep container tightly closed in a dry, cool and well-ventilated place.  
Pay attention to anti-explosion rules.  
Recommended storage temperature: 5 - 35°C

**Advice on storage compatibility**

Incompatible with:  
Acids and bases.  
Oxidizing agents

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

**7.3. Specific end use(s)**

Paint

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

**8.1. Control parameters**

**Exposure limits (EH40)**

CAS No	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
34590-94-8	(2-methoxymethylethoxy) propanol	50	308		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
123-42-2	4-Hydroxy-4-methyl-pentan-2-one	50	241		TWA (8 h)	WEL
		75	362		STEL (15 min)	WEL
98-82-8	Cumene	25	125		TWA (8 h)	WEL
		50	250		STEL (15 min)	WEL
108-67-8	Trimethylbenzenes	25	125		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
95-63-6	Trimethylbenzenes	25	125		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

**8.2. Exposure controls**

**Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

Do not inhale vapours.  
Wash hands before breaks and immediately after handling the product.  
When using, do not eat, drink or smoke.  
Take off immediately all contaminated clothing.  
Avoid contact with skin, eyes and clothing.

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

**Hand protection**

Protective gloves resistant to chemicals made off butyl, minimum coat thickness 0,7 mm, permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de.  
This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.  
Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

**Eye protection**

Tightly fitting goggles.

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Eye wash bottle with pure water.

**Skin protection**

Light protective clothing

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**SECTION 9: Physical and chemical properties**

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

Physical state: Viscous liquid  
Colour: Various  
Odour: characteristic

**Test method**

**Changes in the physical state**

Boiling point: > 160 °C  
Flash point: > 40 °C

**Explosive properties**

The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated.

Lower explosion limits: 0,9 vol. %  
Upper explosion limits: 6,9 vol. %  
Ignition temperature: n.d.  
Vapour pressure: n.d.  
(at 20 °C)  
Density (at 15 °C): 1,12 g/cm<sup>3</sup>  
Water solubility: n.d.  
(at 20 °C)

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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Reactions with acids, alkalies and oxidizing agents.

**10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.  
Vapour/air mixtures are explosive at intensive warming.  
Heating can release vapours which can be ignited.

**10.5. Incompatible materials**

Acids and bases.  
Oxidizing agents

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.  
Fire may produce:  
Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

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**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

No toxicological data available.

**Irritation and corrosivity**

Skin irritation: Not classified.  
Eye irritation: Causes serious eye damage.

**Sensitising effects**

Not classified.

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**Severe effects after repeated or prolonged exposure**

STOT - Single exposure: Not classified.  
STOT - Repeated exposure: Not classified.  
Aspiration hazard: Not classified.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Carcinogenicity: Not classified.  
Mutagenicity: Not classified.  
Teratogenicity: Not classified.

**Additional information on tests**

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

**Empirical data on effects on humans**

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.  
High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects .  
Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

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**SECTION 12: Ecological information**

**12.1. Toxicity**

Ecological data are not available.  
Harmful to aquatic life with long lasting effects.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

**12.6. Other adverse effects**

Hazardous water pollutant.

**Further information**

Do not flush into surface water or sanitary sewer system.

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Advice on disposal**

Where possible recycling is preferred to disposal.  
Can be incinerated, when in compliance with local regulations.

**Waste disposal number of waste from residues/unused products**

200127 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); paint, inks, adhesives and resins containing dangerous substances  
Classified as hazardous waste.

**Contaminated packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.  
Packaging that cannot be cleaned should be disposed of like the product.  
Empty containers should be taken for local recycling, recovery or waste disposal.

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**SECTION 14: Transport information**

**Land transport (ADR/RID)**

<b><u>14.1. UN number:</u></b>	UN1210
<b><u>14.2. UN proper shipping name:</u></b>	PRINTING INK flammable
<b><u>14.3. Transport hazard class(es):</u></b>	3
<b><u>14.4. Packing group:</u></b>	III
Hazard label:	3

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Classification code: F1  
Special Provisions: 163 640E  
Limited quantity: 5 L / 30 kg  
Transport category: 3  
Hazard No: 30  
Tunnel restriction code: D/E

**Other applicable information (land transport)**

Viscous substance - excepted quantity if in containers with a capacity up to 450 l (subsection 2.2.3.1.5 ADR).

**Inland waterways transport (ADN)**

**14.1. UN number:** UN1210  
**14.2. UN proper shipping name:** PRINTING INK flammable  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Classification code: F1  
Limited quantity: 5 L / 30 kg

**Other applicable information (inland waterways transport)**

Viscous substance - excepted quantity if in containers with a capacity up to 450 l (subsection 2.2.3.1.5 ADR).

**Marine transport (IMDG)**

**14.1. UN number:** UN1210  
**14.2. UN proper shipping name:** PRINTING INK flammable  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Limited quantity: 5 L / 30 kg  
EmS: F-E, S-D

**Other applicable information (marine transport)**

Viscous substance - excepted quantity if in containers with a capacity up to 30 l (subsection 2.3.2.5 IMDG Code).

**Air transport (ICAO)**

**UN/ID number:** UN1210  
**14.2. UN proper shipping name:** PRINTING INK flammable  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Limited quantity Passenger: Y344 / 10 L  
IATA-packing instructions - Passenger: 355  
IATA-max. quantity - Passenger: 60 L  
IATA-packing instructions - Cargo: 366  
IATA-max. quantity - Cargo: 220 L

**14.5. Environmental hazards**

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Dangerous for the environment: no

**14.6. Special precautions for user**

Handle in accordance with good industrial hygiene and safety practice.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

The transport takes place only in approved and appropriate packaging.

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**SECTION 15: Regulatory information**

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

**EU regulatory information**

1999/13/EC (VOC): < 60 %

**National regulatory information**

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 2 - water contaminating

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

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**SECTION 16: Other information**

**Full text of R phrases referred to under Sections 2 and 3**

10	Flammable.
20	Harmful by inhalation.
36	Irritating to eyes.
36/37/38	Irritating to eyes, respiratory system and skin.
37	Irritating to respiratory system.
41	Risk of serious damage to eyes.
51	Toxic to aquatic organisms.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
53	May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

**Full text of H statements referred to under Sections 2 and 3**

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

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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.)*