

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LIFE COLOURS

Revision date: 09.01.2018

Product code: 00336-0003

Page 1 of 10

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

1.1. Product identifier

LIFE COLOURS

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

Company name:	Elita Modelle Klaus Kutschka	
Street:	Am Galgenbuck 6	
Place:	D-90613 Großhabersdorf	
Telephone:	+49 (0) 9105-990018	Telefax: +49 (0) 9105-990082
e-mail:	info@elita.de	
Contact person:	Klaus Kutschka	Telephone: +49 (0) 9105-990018
Internet:	http://www.elita.de	
Responsible Department:	Responsible for the safety data sheet: sds@gbk-ingelheim.de	

1.4. Emergency telephone number: +49 (0) 9105-990018 (available during open hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
 Flammable liquid: Flam. Liq. 3
 Serious eye damage/eye irritation: Eye Dam. 1
 Reproductive toxicity: Repr. 2
 Specific target organ toxicity - single exposure: STOT SE 3
 Hazardous to the aquatic environment: Aquatic Chronic 3
 Hazard Statements:
 Flammable liquid and vapour.
 Causes serious eye damage.
 Suspected of damaging fertility. Suspected of damaging the unborn child.
 May cause respiratory irritation.
 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

4-Hydroxy-4-methylpentan-2-one
 Solvent naphtha (petroleum)
 Butyl glycollate

Signal word: Danger

Pictograms:



Hazard statements

H226	Flammable liquid and vapour.
H318	Causes serious eye damage.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LIFE COLOURS

Revision date: 09.01.2018

Product code: 00336-0003

Page 2 of 10

H335 May cause respiratory irritation.
 H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P501 Dispose of contents/container to in accordance with local and national regulations.

2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.
 Vapours may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of organic solvents

Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
123-42-2	4-Hydroxy-4-methylpentan-2-one	10 - < 20 %
	204-626-7	603-016-00-1
	01-2119473975-21	
	Flam. Liq. 3, Eye Irrit. 2, STOT SE 3; H226 H319 H335	
64742-95-6	Solvent naphtha (petroleum)	10 - < 20 %
	265-199-0	01-2119455851-35
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411 EUH066	
34590-94-8	(2-methoxymethylethoxy)propanol	5 - < 10 %
	252-104-2	01-2119450011-60
7397-62-8	Butyl glycollate	5 - < 10 %
	230-991-7	01-2119514685-36
	Repr. 2, Eye Dam. 1; H361fd H318	

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

Further Information

According to note P to the regulation (EC) no. 1272/2008, "Solvent naphtha (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.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LIFE COLOURS

Revision date: 09.01.2018

Product code: 00336-0003

Page 3 of 10

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.
- 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.
- May cause respiratory irritation.
- May damage the unborn child. Suspected of damaging fertility.

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

- Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

- Foam, carbon dioxide (CO₂), dry chemical, water-spray.

Unsuitable extinguishing media

- 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.

SECTION 6: Accidental release measures



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LIFE COLOURS

Revision date: 09.01.2018

Product code: 00336-0003

Page 4 of 10

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/ground water.
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 see section 13.

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.

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



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LIFE COLOURS

Revision date: 09.01.2018

Product code: 00336-0003

Page 5 of 10

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/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

8.2. Exposure controls

Appropriate engineering 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.

Eye/face protection

Tightly fitting goggles (EN 166).

Eye wash bottle with pure water (EN 15154).

Hand protection

Protective gloves resistant to chemicals made off butyl, minimum coat thickness 0.7 mm, permeation resistance 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.

Skin protection

Light protective clothing

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

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

Initial boiling point and boiling range: > 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: 1,8 vol. %

Upper explosion limits: 14 vol. %

Ignition temperature: n.d.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LIFE COLOURS

Revision date: 09.01.2018

Product code: 00336-0003

Page 6 of 10

Vapour pressure: (at 20 °C)	n.d.
Density (at 15 °C):	1,1 g/cm ³
Water solubility: (at 20 °C)	n.d.
Viscosity / kinematic: (at 40 °C)	> 20,5 mm ² /s
Solvent content:	< 60 %

9.2. Other information

Not known.

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).

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.
No toxicological data available.

Irritation and corrosivity

Causes serious eye damage.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of damaging fertility. Suspected of damaging the unborn child. (Butyl glycollate)
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LIFE COLOURS

Revision date: 09.01.2018

Product code: 00336-0003

Page 7 of 10

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.

Additional information on tests

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

Practical experience**Other observations**

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.

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.

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 hazardous substances; 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.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LIFE COLOURS

Revision date: 09.01.2018

Product code: 00336-0003

Page 8 of 10

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1210
14.2. UN proper shipping name: Printing ink
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Classification code: F1
 Limited quantity: 5 L / 30 kg
 Excepted quantity: E1
 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: UN 1210
14.2. UN proper shipping name: Printing ink
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Classification code: F1
 Limited quantity: 5 L / 30 kg
 Excepted quantity: E1

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 ADN).

Marine transport (IMDG)

14.1. UN number: UN 1210
14.2. UN proper shipping name: Printing ink
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Marine pollutant: No
 Limited quantity: 5 L / 30 kg
 Excepted quantity: E1
 EmS: F-E, S-D



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LIFE COLOURS

Revision date: 09.01.2018


Product code: 00336-0003

Page 9 of 10

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-TI/IATA-DGR)

14.1. UN number:	UN 1210
14.2. UN proper shipping name:	Printing ink
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3
	
Limited quantity Passenger:	10 L
Passenger LQ:	Y344
Excepted quantity:	E1
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

ENVIRONMENTALLY HAZARDOUS: 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 Marpol and the IBC Code

The transport takes place only in approved and appropriate packaging.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 28: Solvent naphta (petroleum)

2004/42/EC (VOC): < 60 %

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment

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

SECTION 16: Other information



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LIFE COLOURS

Revision date: 09.01.2018

Product code: 00336-0003

Page 10 of 10

Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
 IMDG = International Maritime Code for Dangerous Goods
 IATA/ICAO = International Air Transport Association / International Civil Aviation Organization
 MARPOL = International Convention for the Prevention of Pollution from Ships
 IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 REACH = Registration, Evaluation, Authorization and Restriction of Chemicals
 CAS = Chemical Abstract Service
 EN = European norm
 ISO = International Organization for Standardization
 DIN = Deutsche Industrie Norm
 PBT = Persistent Bioaccumulative and Toxic
 vPvB = Very Persistent and very Bio-accumulative
 LD = Lethal dose
 LC = Lethal concentration
 EC = Effect concentration
 IC = Median immobilisation concentration or median inhibitory concentration

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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)

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

