

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 02.03.2021

Version number 4

Revision: 02.03.2021

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

#### 1.1 Product identifier

Trade name: **Colouring Tint Liquid for Polyester-based Adhesives**

Article number: 11050, 11051, 11053, 11054, 11055, 11056, 11057, 11058, 11059, 11060, 11061, 11062, 11063, 11064, 11065, 11066, 11067, 11068, 11069, 11070, 11071, 11029, 11030, 11031, 11032, 11033, 11034, 11035, 11036, 11037, 11038, 11052

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

No further relevant information available.

Application of the substance / the mixture

Stainer

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH  
Lechstrasse 28  
D 90451 Nürnberg

Tel. +49(0)911-642960  
Fax. +49(0)911-644456  
e-mail info@akemi.de

Further information obtainable from:

Laboratory

#### 1.4 Emergency telephone number:

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH  
Tel. +49(0)911-64296-59  
Reachable during the following office hours:  
Monday – Thursday from 07:30 a.m. to 16:30 p.m.  
Friday from 07:30 a.m. to 13:30 p.m.  
+44 (171) 635 91 91  
National Poison Inform. Centre  
Medical Toxicology Unit  
Avalonley Road  
London SE14 5ER

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008  
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

Void

Signal word

Void

Hazard-determining components of labelling:

Not applicable.

Hazard statements

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.  
P103 Read carefully and follow all instructions.  
P273 Avoid release to the environment.  
P501 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.

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## SECTION 3: Composition/information on ingredients

### 3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

CAS: 141-02-6 EINECS: 205-448-2 Reg.nr.: 01-2119486983-19	bis(2-ethylhexyl)fumarate	Aquatic Chronic 2, H411	1-5%
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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: Take affected persons out into the fresh air.  
Position and transport stably in side position.  
Immediately remove any clothing soiled by the product.  
No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: If skin irritation continues, consult a doctor.  
Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then 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**  
If swallowed, gastric irrigation with added, activated carbon.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.  
In case of fire, the following can be released:  
Carbon monoxide (CO)  
Under certain fire conditions, traces of other toxic gases cannot be excluded.

### 5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.  
Do not inhale explosion gases or combustion gases.  
Wear fully protective suit.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation  
Use respiratory protective device against the effects of fumes/dust/aerosol.

### 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.

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- **6.3 Methods and material for containment and cleaning up:** Dispose of the material collected according to regulations. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections** See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.  
No dangerous substances are released.

## \* SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Keep receptacles tightly sealed.  
Use only in well ventilated areas.  
No special measures required.
- **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 only in the original receptacle.  
Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Store away from oxidising agents.  
Store away from foodstuffs.
- **Further information about storage conditions:** Store receptacle in a well ventilated area.
- **Storage class:** 10
- **7.3 Specific end use(s)** No further relevant information available.

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

- **8.1 Control parameters**
- **Additional information about design of technical facilities:** No further data; see item 7.
- **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.

### · DNELs

#### 141-02-6 bis(2-ethylhexyl)fumarate

Dermal	DNEL ( Langzeit-wiederholt)	42 mg/kg bw/day (ARB)
Inhalative	DNEL (Langzeit-wiederholt)	292 mg/m <sup>3</sup> Air (ARB)

### · PNECs

#### 141-02-6 bis(2-ethylhexyl)fumarate

PNEC (wässrig)	1.1 mg/l (KA)
	0.003 mg/l (SW)
	1 mg/l (WAS)
PNEC (fest)	3.2 mg/kg Trockengew (SWS)

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

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### · **8.2 Exposure controls**

· Personal protective equipment:  
 · General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.  
 Use skin protection cream for skin protection.  
 Clean skin thoroughly immediately after handling the product.  
 Immediately remove all soiled and contaminated clothing  
 Not necessary if room is well-ventilated.  
 Preventive skin protection by use of skin-protecting agents is recommended.  
 After use of gloves apply skin-cleaning agents and skin cosmetics.  
 Skin protection agent recommendation for preventive skin shelter without use of protective gloves:  
 STOKO EMULSION (<http://www.stoko.com>)  
 ARRETIL (<http://www.stoko.com>)  
 Skin protection agent recommendation for preventive skin shelter in application and combination of protective gloves:  
 STOKO EMULSION (<http://www.stoko.com>)  
 Skin protection recommendation for skin cleaning after product handling:  
 Kresto Classic (<http://debstoko.com>)  
 FRAPANTOL (<http://www.stoko.com>)  
 Skin protection agent recommendation for skin aftercare:  
 STOKO VITAN (<http://www.stoko.com>)

· Respiratory protection:  
 · Protection of hands:



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

Butyl rubber, BR  
 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.

· Penetration time of glove material

Value for the permeation: Level  $\leq 6$ , 480 min  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR  
 Butoject (KCL, Art\_No. 897, 898)  
 Nitrile rubber, NBR  
 Camatril (KCL, Art\_No. 730, 731, 732, 733)  
 Dermatril (Art\_No. 740, 741, 742)

· As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR  
 Camatril (KCL, 730, 731, 732, 733)  
 Dermatril (KCL, Art\_No. 740, 741, 742)

· Not suitable are gloves made of the following materials:

Leather gloves  
 Strong material gloves  
 Goggles recommended during refilling

· Eye protection:

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· Body protection: Protective work clothing

## SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

Form: Fluid  
 Colour: According to product specification  
 Odour: Characteristic

· pH-value: Not applicable

#### · Change in condition

Melting point/freezing point: Undetermined.  
 Initial boiling point and boiling range: 184 °C

· Flash point: 76 °C

· Ignition temperature: 250 °C

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

· Vapour pressure: Not determined.

· Density at 20 °C: 1.54 g/cm<sup>3</sup> ([1,29 - 1,73 g/cm<sup>3</sup>])

· Solubility in / Miscibility with water: Not miscible or difficult to mix.

#### · Viscosity:

Dynamic at 20 °C: 8,500 mPas  
 Kinematic: Not determined.

#### · Solvent content:

Solids content: 91.1 %

· **9.2 Other information** No further relevant information available.

## 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 and stored according to specifications.

### · 10.3 Possibility of hazardous reactions

Reacts with peroxides and other radical forming substances.  
 Exothermic polymerisation.  
 Reacts with strong acids.  
 Reacts with strong alkali.  
 Reacts with strong oxidising agents.

### · 10.4 Conditions to avoid

No further relevant information available.

### · 10.5 Incompatible materials:

No further relevant information available.

### · 10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide  
 Possible in traces.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

#### 141-02-6 bis(2-ethylhexyl)fumarate

Oral	LD50	29,200 mg/kg (rat)
	NOAEL-Werte	≥1,000 mg/kg (rat)
Dermal	LD50	18,840 mg/kg (rabbit)

· **Primary irritant effect:**

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

· **Additional toxicological information:**

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **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.

## SECTION 12: Ecological information

### 12.1 Toxicity

· **Aquatic toxicity:**

#### 141-02-6 bis(2-ethylhexyl)fumarate

NOEC	0.76 mg/kg (daphnia magna)
	0.3 mg/kg (piscis)

· **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.

· **Additional ecological information:**

· **General notes:**

Do not allow product to reach ground water, water course or sewage system.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

· **Recommendation** Smaller quantities can be disposed of with household waste.

· **Uncleaned packaging:**

· **Recommendation:** Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

· **Recommended cleansing agents:** Alcohol

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## SECTION 14: Transport information

· <b>14.1 UN-Number</b> · ADR, ADN, IMDG, IATA	Void
· <b>14.2 UN proper shipping name</b> · ADR, ADN, IMDG, IATA	Void
· <b>14.3 Transport hazard class(es)</b> · ADR, ADN, IMDG, IATA · Class	Void
· <b>14.4 Packing group</b> · ADR, IMDG, IATA	Void
· <b>14.5 Environmental hazards:</b> · Marine pollutant:	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· 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.
· National regulations:	
· Waterhazard class: · VOC EU	Water hazard class 1 (Self-assessment): slightly hazardous for water. 0.0 g/l
· <b>15.2 Chemical safety assessment:</b>	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.

· <u>Relevant phrases</u>	H411 Toxic to aquatic life with long lasting effects.
· <u>Recommended restriction of use</u>	refer to Technical Data Sheet (TDS)
· <u>Department issuing SDS:</u> · <u>Contact:</u>	Laboratory Elke Hake Fon ++49 (0)911 64296-59 @mail E.Hake@akemi.de
· <u>Abbreviations and acronyms:</u>	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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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

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· \* Data compared to the previous version altered.

Adaptation in accordance with REACH directive 1907/2006/EC

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