

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****QuickFill Standard Komp. B****1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant uses**

Amine components

**1.2.2 Uses advised against**

None known.

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

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**Safety Data Sheet** [sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)

**1.4 Emergency telephone number****Advisory body** +49 (0)89-19240 (24h) (english)**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]**

Skin Sens. 1: H317 May cause an allergic skin reaction.  
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.

**2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC**

Sensitizing. - R 43: May cause sensitisation by skin contact.  
N, Dangerous for the environment - R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**2.2 Label elements**

The product is classified and required to be labelled in accordance with EC-Directives

**Labelling according to Regulation (EC) 1272/2008****Hazard pictograms****Signal word**

WARNING

**Contains:**

6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine

**Hazard statements**

H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P261 Avoid breathing vapours / spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.  
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.  
P363 Wash contaminated clothing before reuse.  
P501 Dispose of contents / container to in accordance with local / regional / national / international regulation.

Safety Data Sheet 1907/2006/EC - REACH (GB)  
**QuickFill Standard Komp. B**

Date printed 07.04.2015, Revision 07.04.2015

Version 01

Page 2 / 10

### 2.3 Other hazards

**Environmental hazards** Does not contain any PBT or vPvB substances.  
**Other hazards** Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### Product-type:

The product is a mixture.

| Range [%] | Substance  |
|-----------|--|
| 10 - 20   | 6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine<br>CAS: 106264-79-3, EINECS/ELINCS: 403-240-8, EU-INDEX: 612-113-00-8, ECB-Nr.: 01-0000015292-76-XXXX<br>GHS/CLP: Acute Tox. 4: H302 - Skin Sens. 1: H317 - Aquatic Chronic 1: H410 - Aquatic Acute 1: H400, M = 1<br>EEC: Xn-N, R 22-43-50/53 |
| 10 - 20   | Oxydipropyl dibenzoate<br>CAS: 27138-31-4, EINECS/ELINCS: 248-258-5, ECB-Nr.: 01-2119529241-49-XXXX<br>GHS/CLP: Aquatic Chronic 3: H412<br>EEC: N, R 51/53   |

**Comment on component parts** Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.  
For full text of H-statements and R-phrases: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information** Take off contaminated clothing and wash before reuse.

**Inhalation** Remove the victim into fresh air and keep him calm.  
In the event of symptoms seek for medical treatment.

**Skin contact** In case of contact with skin wash off immediately with water.  
Consult a doctor if skin irritation persists.

**Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

**Ingestion** Supply with medical care.  
Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.

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

No information available.

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

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** foam, dry powder, water spray jet, carbon dioxide  
**Extinguishing media that must not be used** Full water jet

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

Risk of formation of toxic pyrolysis products.  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>).  
Sulphur oxides (SO<sub>x</sub>).

### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.  
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation.  
Use personal protective equipment.  
High risk of slipping due to leakage/spillage of product.

### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.  
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

### 6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, universal absorbent, diatomaceous earth).  
Dispose of absorbed material in accordance with the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.  
The normal safety precautions for handling chemicals must be observed.

Do not eat, drink or smoke when using this product.  
Wash hands before breaks and after work.  
Use barrier skin cream.  
Take off contaminated clothing and wash before reuse.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.  
Prevent penetration into the ground.  
Do not store together with oxidizing agents.  
Do not store together with acids.  
Keep container tightly closed.  
Keep container in a well-ventilated place.  
Protect from heat/overheating.  
Keep away from water or from damp surroundings.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored (GB)

not applicable

#### DNEL

| Range [%] | Substance   |
|-----------|---|
| 10 - 20   | Oxydipropyl dibenzoate, CAS: 27138-31-4   |
|           | Industrial, dermal, Long-term - systemic effects: 1,7 mg/kg bw.                       |
|           | Industrial, inhalative, Long-term - systemic effects: 5,8 mg/m <sup>3</sup> .         |
|           | Industrial, inhalative, Acute - systemic effects: 38,08 mg/m <sup>3</sup> .           |
|           | Industrial, dermal, Acute - systemic effects: 160 mg/kg bw.                           |
|           | general population, dermal, Acute - systemic effects: 8 mg/kg bw.                     |
|           | general population, oral, Long-term - systemic effects: 0,8 mg/kg bw.                 |
|           | general population, inhalative, Long-term - systemic effects: 1,4 mg/m <sup>3</sup> . |
|           | general population, dermal, Long-term - systemic effects: 0,8 mg/kg bw.               |
|           | general population, oral, Acute - systemic effects: 80 mg/kg bw.                      |
|           | general population, inhalative, Acute - systemic effects: 8,7 mg/m <sup>3</sup> .     |

#### PNEC

| Range [%] | Substance                               |
|-----------|---|
| 10 - 20   | Oxydipropyl dibenzoate, CAS: 27138-31-4 |
|           | sewage treatment plants (STP), 10 mg/l. |
|           | soil, 1 mg/kg.                          |
|           | sediment (seawater), 0,0474 mg/kg.      |
|           | sediment (freshwater), 0,474 mg/kg.     |
|           | seawater, 0,00029 mg/l.                 |
|           | freshwater, 0,0029 mg/l.                |

### 8.2 Exposure controls

|  |  |
|--|--|
| <b>Additional advice on system design</b>                          | Ensure adequate ventilation on workstation.  |
| <b>Eye protection</b>  | safety glasses   |
| <b>Hand protection</b>   | The details concerned are recommendations. Please contact the glove supplier for further information.<br>Nitrile rubber, >480 min (EN 374).<br>Neoprene, >480 min (EN 374).  |
| <b>Skin protection</b>   | Protective clothing.   |
| <b>Other</b>   | Do not breathe vapour/spray.<br>Avoid contact with eyes and skin.<br>Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier. |
| <b>Respiratory protection</b>                                      | If ventilation insufficient, wear respiratory protection.<br>Short term: filter apparatus, filter A.   |
| <b>Thermal hazards</b>   | not applicable   |
| <b>Delimitation and monitoring of the environmental exposition</b> | Protect the environment by applying appropriate control measures to prevent or limit emissions.  |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |                               |
|---|-------------------------------|
| Form                                      | Viscous liquid                |
| Color                                     | various                       |
| Odor                                      | amine-like                    |
| Odour threshold                           | not applicable                |
| pH-value                                  | not determined                |
| pH-value [1%]                             | not determined                |
| Boiling point [°C]                        | not determined                |
| Flash point [°C]                          | not applicable                |
| Flammability (solid, gas) [°C]            | not applicable                |
| Lower explosion limit                     | not applicable                |
| Upper explosion limit                     | not applicable                |
| Oxidizing properties                      | no                            |
| Density [g/ml]                            | 1,05 - 1,09 (20 °C / 68,0 °F) |
| Bulk density [kg/m <sup>3</sup> ]         | not applicable                |
| Solubility in water                       | immiscible                    |
| Partition coefficient [n-octanol/water]   | not determined                |
| Viscosity                                 | 900 - 1300 mPas (25°C)        |
| Relative vapour density determined in air | not determined                |
| Evaporation speed                         | not determined                |
| Melting point [°C]                        | not determined                |
| Autoignition temperature [°C]             | not determined                |
| Decomposition temperature [°C]            | not determined                |

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.  
Reactions with acids.

### 10.4 Conditions to avoid

See SECTION 7

### 10.5 Incompatible materials

See SECTION 10.3.

### 10.6 Hazardous decomposition products

No dangerous reactions known if used as directed.  
In the event of fire: See SECTION 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

|                              |
|------------------------------|
| Product                      |
| ATE-mix, oral, > 2000 mg/kg. |

| Range [%] | Substance   |
|-----------|---|
| 10 - 20   | Oxydipropyl dibenzoate, CAS: 27138-31-4                             |
|           | LD50, dermal, Rat: > 2000 mg/kg.                                    |
|           | LD50, oral, Rat: 3914 mg/kg.  |
|           | LC50, inhalative, Rat: > 200 mg/l/4h.                               |
|           | NOAEL, Rat: 1000 mg/kg/90d.   |
| 10 - 20   | 6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine, CAS: 106264-79-3 |
|           | LD50, dermal, Rabbit: > 2000 mg/kg.                                 |
|           | LD50, oral, Rat: 1515 mg/kg.  |

|   |                |
|---|----------------|
| <b>Serious eye damage/irritation</b>                      | not determined |
| <b>Skin corrosion/irritation</b>                          | not determined |
| <b>Respiratory or skin sensitisation</b>                  | not determined |
| <b>Specific target organ toxicity — single exposure</b>   | not determined |
| <b>Specific target organ toxicity — repeated exposure</b> | not determined |
| <b>Mutagenicity</b>                                       | not determined |
| <b>Reproduction toxicity</b>                              | not determined |
| <b>Carcinogenicity</b>                                    | not determined |
| <b>General remarks</b>                                    |                |

Toxicological data of complete product are not available.  
 The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Range [%] | Substance   |
|-----------|---|
| 10 - 20   | Oxydipropyl dibenzoate, CAS: 27138-31-4                             |
|           | LC50, (96h), Pimephales promelas: 3,7 mg/l.                         |
|           | NOELR, (72h), Algae: 1 mg/l.  |
|           | NOELR, (72h), Algae: 1 mg/l.  |
|           | LL50, (48h), Daphnia magna: 19,3 mg/l.                              |
|           | LL50, (72h), Algae: 4,9 mg/l.                                       |
| 10 - 20   | 6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine, CAS: 106264-79-3 |
|           | LC50, (96h), Rainbow trout: 7,3 mg/l.                               |
|           | EC50, (72h), Selenastrum capricornutum: 7,6 mg/l.                   |
|           | EC50, (48h), Daphnia magna: 0,9 mg/l.                               |

### 12.2 Persistence and degradability

|  |                                  |
|--|----------------------------------|
|  | BOD 5: 650 mg/g (CAS 27138-31-4) |
| <b>Behaviour in environment compartments</b> | not determined                   |
| <b>Behaviour in sewage plant</b>             | not determined                   |
| <b>Biological degradability</b>              | Biodegradable in part only       |

### 12.3 Bioaccumulative potential

BCF: 9,8 - 25 (CAS 106264-79-3)  
log Pow: 3,9 (CAS 27138-31-4)

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

The product is insoluble in water.

Ecological data of complete product are not available.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

Do not discharge product unmonitored into the environment or into the drainage.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

Dispose of as hazardous waste.  
For recycling, consult manufacturer.

#### Waste no. (recommended)

160305\*  
160508\*  
080409\*

#### Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.

#### Waste no. (recommended)

150110\*

## SECTION 14: Transport information

### 14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

Safety Data Sheet 1907/2006/EC - REACH (GB)  
**QuickFill Standard Komp. B**

Date printed 07.04.2015, Revision 07.04.2015

Version 01

Page 8 / 10

**14.2 UN proper shipping name**

**Transport by land according to ADR/RID**

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine) 9 III

- Classification Code

M6

- Label



- ADR LQ

5 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (E)

**Inland navigation (ADN)**

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine) 9 III

- Classification Code

M6

- Label



**Marine transport in accordance with IMDG**

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine) 9 III MARINE POLLUTANT

- EMS

F-A, S-F

- Label



- IMDG LQ

5 I

**Air transport in accordance with IATA**

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine) 9 III

- Label



**14.3 Transport hazard class(es)**

See SECTION 14.2 in accordance with UN shipping name

**14.4 Packing group**

See SECTION 14.2 in accordance with UN shipping name

**14.5 Environmental hazards**

See SECTION 14.2 in accordance with UN shipping name

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available.



## SECTION 15: Regulatory information

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

|  |   |
|--|---|
| <b>EEC-REGULATIONS</b>                       | 1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC |
| <b>TRANSPORT-REGULATIONS</b>                 | DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2015).   |
| <b>NATIONAL REGULATIONS (GB):</b>            | EH40/2005 Workplace exposure limits (Second edition, published December 2011).<br>CHIP 3/ CHIP 4  |
| - Observe employment restrictions for people | Observe employment restrictions for young people.   |
| - VOC (1999/13/CE)                           | not applicable  |

### 15.2 Chemical safety assessment

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

## SECTION 16: Other information

### 16.1 R-phrases (SECTION 3)

R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R 22: Harmful if swallowed.  
 R 43: May cause sensitisation by skin contact.  
 R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 16.2 Hazard statements (SECTION 3)

H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H317 May cause an allergic skin reaction.  
 H302 Harmful if swallowed.  
 H412 Harmful to aquatic life with long lasting effects.

### 16.3 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  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 ELINCS = European List of Notified Chemical Substances  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 TLV@TWA = Threshold limit value – time-weighted average  
 TLV@STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative



Safety Data Sheet 1907/2006/EC - REACH (GB)

## QuickFill Standard Komp. B

Date printed 07.04.2015, Revision 07.04.2015

Version 01 Page 10 / 10

### 16.4 Other information

#### Classification procedure

Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)  
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (Calculation method)

#### Modified position

none

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