

WE MAKE
CHEMISTRY
WORK

NITOCOLOUR 2C B-COMPONENT

Version number: GHS 4.0
Replaces version of: 2023-02-17 (GHS 3)

Revision: 2023-06-28

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

1.1 Product identifier

Trade name **Nitocolour 2C B-component**

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

Relevant identified uses **Paint related material**

1.3 Details of the supplier of the safety data sheet

Mavro International BV
Heksekamp 1
5301 LX Zaltbommel
Netherlands

Telephone: +31 418 680 680
e-mail: info@mavro-int.com
Website: <https://www.mavro-int.com>

1.4 Emergency telephone number

Emergency information service **+31 418 680 680**
This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM

| Poison centre | | | | | |
|----------------|--|------------------|---------------|---------|-------------------------------|
| Country | Name | Postal code/city | Telephone | Telefax | Opening hours |
| United Kingdom | National Poisons Information Service (Birmingham Centre) City Hospital | | 0344 892 0111 | | Mon - Fri 12:00 AM - 12:00 AM |

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---------|---|----------|---------------------------|------------------|
| 2.6 | flammable liquid | 3 | Flam. Liq. 3 | H226 |
| 3.1I | acute toxicity (inhal.) | 3 | Acute Tox. 3 | H331 |
| 3.4S | skin sensitisation | 1 | Skin Sens. 1 | H317 |
| 3.8R | specific target organ toxicity - single exposure (respiratory tract irritation) | 3 | STOT SE 3 | H335 |

For full text of abbreviations: see SECTION 16.

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The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

Labelling

- Signal word danger

- Pictograms

GHS02, GHS06



- Hazard statements

H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.

- Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P284 [In case of inadequate ventilation] wear respiratory protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P311 Call a POISON CENTER/doctor.
P314 Get medical advice/attention if you feel unwell.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to industrial combustion plant.

- Supplemental hazard information

EUH204 Contains isocyanates. May produce an allergic reaction.

- Hazardous ingredients for labelling

HDI oligomers, isocyanurate, hexamethylene-di-isocyanate, xylene, ethylbenzene

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms |
|----------------------------------|---|-----------|--|---|
| HDI oligomers, isocyanurate | CAS No 28182-81-2 EC No 931-274-8 | 50 – < 75 | Acute Tox. 4 / H332 Skin Sens. 1 / H317 STOT SE 3 / H335 |  |
| 2-methoxy-1-methyl-ethyl acetate | CAS No 108-65-6 EC No 203-603-9 Index No 607-195-00-7 | 10 – < 25 | Flam. Liq. 3 / H226 |  |
| xylene | CAS No 1330-20-7 EC No 215-535-7 Index No 601-022-00-9 | 1 – < 5 | Flam. Liq. 3 / H226 Acute Tox. 4 / H312 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335 STOT RE 2 / H373 Asp. Tox. 1 / H304 Aquatic Chronic 3 / H412 |  |
| ethylbenzene | CAS No 100-41-4 EC No 202-849-4 Index No 601-023-00-4 | 1 – < 5 | Flam. Liq. 2 / H225 Acute Tox. 4 / H332 STOT RE 2 / H373 Asp. Tox. 1 / H304 |  |
| hexamethylene-di-isocyanate | CAS No 822-06-0 EC No 212-485-8 Index No 615-011-00-1 | < 1 | Acute Tox. 4 / H302 Acute Tox. 1 / H330 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Resp. Sens. 1 / H334 Skin Sens. 1 / H317 STOT SE 3 / H335 |  |

| Name of substance | Specific Conc. Limits | M-Factors | ATE | Exposure route |
|-----------------------------|---|-----------|----------------------------|---|
| HDI oligomers, isocyanurate | - | - | 11 mg/l/4h 1.5 mg/l/4h | inhalation: vapour inhalation: dust/mist |
| xylene | - | - | 1,100 mg/kg 11 mg/l/4h | dermal inhalation: vapour |
| ethylbenzene | - | - | 11 mg/l/4h | inhalation: vapour |
| hexamethylene-di-isocyanate | Resp. Sens. 1; H334: C ≥ 0.5 % Skin Sens. 1; H317: C ≥ 0.5 % | - | 959 mg/kg 0.124 mg/l/4h | oral inhalation: vapour |

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For full text of abbreviations: see SECTION 16.

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

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

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

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

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SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

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- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

| Occupational exposure limit values (Workplace Exposure Limits) | | | | | | | | | | | |
|--|----------------------------------|-----------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|----------|------------|
| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m ³] | STEL [ppm] | STEL [mg/m ³] | Ceiling-C [ppm] | Ceiling-C [mg/m ³] | Notation | Source |
| EU | ethylbenzene | 100-41-4 | IOELV | 100 | 442 | 200 | 884 | | | H | 2000/39/EC |
| EU | 2-methoxy-1-methylethyl acetate | 108-65-6 | IOELV | 50 | 275 | 100 | 550 | | | H | 2000/39/EC |
| EU | xylene | 1330-20-7 | IOELV | 50 | 221 | 100 | 442 | | | H | 2000/39/EC |
| GB | hydrocarbon mixture (RCP method) | | WEL | | 300 | | 600 | | | | EH40/2005 |
| GB | ethylbenzene | 100-41-4 | WEL | 100 | 441 | 125 | 552 | | | | EH40/2005 |
| GB | 1-methoxy-2-propyl acetate | 108-65-6 | WEL | 50 | 274 | 100 | 548 | | | | EH40/2005 |
| GB | xylene, mixture of isomers | 1330-20-7 | WEL | 50 | 220 | 100 | 441 | | | | EH40/2005 |
| GB | isocyanates, compounds | 822-06-0 | WEL | | 0.02 | | 0.07 | | | NCO | EH40/2005 |

Notation

| | |
|-----------|--|
| Ceiling-C | ceiling value is a limit value above which exposure should not occur |
| H | absorbed through the skin |
| NCO | measured total-NCO (isocyanate) |
| STEL | short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified) |
| TWA | time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified) |

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Biological limit values

| Country | Name of agent | Parameter | Notation | Identifier | Value | Source |
|---------|---|----------------------------|----------|------------|--------------|-----------|
| GB | xylene, mixture of isomers | methylhippuric acids | crea | BMGV | 650 mmol/mol | EH40/2005 |
| GB | Isocyanates (applies to HDI, IPDI, TDI and MDI) | isocyanate-derived diamine | crea | BMGV | 1 µmol/mol | EH40/2005 |

Notation

crea creatinine

Relevant DNELs of components of the mixture

| Name of substance | CAS No | Endpoint | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|---------------------------------|------------|----------|-------------------------|------------------------------------|-------------------|----------------------------|
| HDI oligomers, isocyanurate | 28182-81-2 | DNEL | 0.5 mg/m ³ | human, inhalatory | worker (industry) | chronic - local effects |
| HDI oligomers, isocyanurate | 28182-81-2 | DNEL | 1 mg/m ³ | human, inhalatory | worker (industry) | acute - local effects |
| 2-methoxy-1-methylethyl acetate | 108-65-6 | DNEL | 275 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| 2-methoxy-1-methylethyl acetate | 108-65-6 | DNEL | 550 mg/m ³ | human, inhalatory | worker (industry) | acute - local effects |
| 2-methoxy-1-methylethyl acetate | 108-65-6 | DNEL | 796 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| xylene | 1330-20-7 | DNEL | 221 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| xylene | 1330-20-7 | DNEL | 442 mg/m ³ | human, inhalatory | worker (industry) | acute - systemic effects |
| xylene | 1330-20-7 | DNEL | 221 mg/m ³ | human, inhalatory | worker (industry) | chronic - local effects |
| xylene | 1330-20-7 | DNEL | 442 mg/m ³ | human, inhalatory | worker (industry) | acute - local effects |
| xylene | 1330-20-7 | DNEL | 212 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| ethylbenzene | 100-41-4 | DNEL | 77 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| ethylbenzene | 100-41-4 | DNEL | 293 mg/m ³ | human, inhalatory | worker (industry) | acute - local effects |
| ethylbenzene | 100-41-4 | DNEL | 180 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| hexamethylene-diisocyanate | 822-06-0 | DNEL | 0.035 mg/m ³ | human, inhalatory | worker (industry) | chronic - local effects |
| hexamethylene-diisocyanate | 822-06-0 | DNEL | 0.07 mg/m ³ | human, inhalatory | worker (industry) | acute - local effects |

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Relevant PNECs of components of the mixture

| Name of substance | CAS No | Endpoint | Threshold level | Organism | Environmental compartment | Exposure time |
|---------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------------------|
| HDI oligomers, isocyanurate | 28182-81-2 | PNEC | 0.127 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| HDI oligomers, isocyanurate | 28182-81-2 | PNEC | 0.013 mg/l | aquatic organisms | marine water | short-term (single instance) |
| HDI oligomers, isocyanurate | 28182-81-2 | PNEC | 88 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| HDI oligomers, isocyanurate | 28182-81-2 | PNEC | 266,701 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| HDI oligomers, isocyanurate | 28182-81-2 | PNEC | 26,670 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| HDI oligomers, isocyanurate | 28182-81-2 | PNEC | 53,183 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| 2-methoxy-1-methylethyl acetate | 108-65-6 | PNEC | 0.635 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| 2-methoxy-1-methylethyl acetate | 108-65-6 | PNEC | 0.064 mg/l | aquatic organisms | marine water | short-term (single instance) |
| 2-methoxy-1-methylethyl acetate | 108-65-6 | PNEC | 100 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| 2-methoxy-1-methylethyl acetate | 108-65-6 | PNEC | 3.29 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| 2-methoxy-1-methylethyl acetate | 108-65-6 | PNEC | 0.329 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| 2-methoxy-1-methylethyl acetate | 108-65-6 | PNEC | 0.29 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| xylene | 1330-20-7 | PNEC | 0.327 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| xylene | 1330-20-7 | PNEC | 0.327 mg/l | aquatic organisms | marine water | short-term (single instance) |
| xylene | 1330-20-7 | PNEC | 6.58 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| xylene | 1330-20-7 | PNEC | 12.46 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| xylene | 1330-20-7 | PNEC | 12.46 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| xylene | 1330-20-7 | PNEC | 2.31 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| ethylbenzene | 100-41-4 | PNEC | 0.1 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| ethylbenzene | 100-41-4 | PNEC | 0.01 mg/l | aquatic organisms | marine water | short-term (single instance) |
| ethylbenzene | 100-41-4 | PNEC | 9.6 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |

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| Relevant PNECs of components of the mixture | | | | | | |
|---|----------|----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance | CAS No | Endpoint | Threshold level | Organism | Environmental compartment | Exposure time |
| ethylbenzene | 100-41-4 | PNEC | 13.7 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| ethylbenzene | 100-41-4 | PNEC | 1.37 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| ethylbenzene | 100-41-4 | PNEC | 2.68 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| hexamethylene-diisocyanate | 822-06-0 | PNEC | 8.42 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

- Type of material

Nitrile

- Material thickness

>0,12mm

- Breakthrough times of the glove material

>480 minutes (permeation: level 6)

- Other protection measures

Wash hands thoroughly after handling.

Body protection

Protective clothing against liquid chemicals.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

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

| | |
|--|--|
| Physical state | liquid |
| Colour | transparent |
| Odour | characteristic |
| Melting point/freezing point | -94.9 °C at 101.3 kPa |
| Boiling point or initial boiling point and boiling range | 136.1 °C at 1,013 mbar |
| Flammability | flammable liquid in accordance with GHS criteria |
| Lower and upper explosion limit | 1.1 vol% - 7 vol% |
| Flash point | 23 °C at 1,013 hPa |
| Auto-ignition temperature | 333 °C (auto-ignition temperature (liquids and gases)) |
| Decomposition temperature | not relevant |
| pH (value) | not determined |
| Kinematic viscosity | 12.75 mm ² /s |
| Solubility(ies) | not determined |

Partition coefficient

| | |
|---|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---|-----------------------------------|

| | |
|-----------------|------------------|
| Vapour pressure | 7.4 hPa at 20 °C |
|-----------------|------------------|

Density and/or relative density

| | |
|-------------------------|---|
| Density | 1.02 g/cm ³ |
| Relative vapour density | information on this property is not available |

| | |
|--------------------------|-----------------------|
| Particle characteristics | not relevant (liquid) |
|--------------------------|-----------------------|

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9.2 Other information

| | |
|--|------------------------------------|
| Information with regard to physical hazard classes | there is no additional information |
| Other safety characteristics | there is no additional information |

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to GHS

Acute toxicity

Toxic if inhaled.

GHS of the United Nations, annex 4: May be harmful if swallowed.

- Acute toxicity estimate (ATE)

Inhalation: vapour 9.65 mg/l/4h

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Acute toxicity estimate (ATE) of components of the mixture

| Name of substance | CAS No | Exposure route | ATE |
|-----------------------------|------------|-----------------------|---------------------------|
| HDI oligomers, isocyanurate | 28182-81-2 | inhalation: vapour | 11 mg _l /4h |
| HDI oligomers, isocyanurate | 28182-81-2 | inhalation: dust/mist | 1.5 mg _l /4h |
| xylene | 1330-20-7 | dermal | 1,100 mg _{kg} |
| xylene | 1330-20-7 | inhalation: vapour | 11 mg _l /4h |
| ethylbenzene | 100-41-4 | inhalation: vapour | 11 mg _l /4h |
| hexamethylene-di-isocyanate | 822-06-0 | oral | 959 mg _{kg} |
| hexamethylene-di-isocyanate | 822-06-0 | inhalation: vapour | 0.124 mg _l /4h |

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

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12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number

| | |
|-----------|---------|
| ADR/RID | UN 1866 |
| IMDG-Code | UN 1866 |
| ICAO-TI | UN 1866 |

14.2 UN proper shipping name

| | |
|-----------|----------------|
| ADR/RID | RESIN SOLUTION |
| IMDG-Code | RESIN SOLUTION |
| ICAO-TI | Resin solution |

14.3 Transport hazard class(es)

| | |
|-----------|---|
| ADR/RID | 3 |
| IMDG-Code | 3 |
| ICAO-TI | 3 |

14.4 Packing group

| | |
|-----------|-----|
| ADR/RID | III |
| IMDG-Code | III |
| ICAO-TI | III |

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14.5 Environmental hazards non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user
Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Maritime transport in bulk according to IMO instruments
The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) - Additional information

Classification code F1

Danger label(s) 3



Excepted quantities (EQ) E1

Limited quantities (LQ) 5 L

Transport category (TC) 3

Tunnel restriction code (TRC) D/E

Hazard identification No 30

Emergency Action Code 3Y

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) - Additional information

Classification code F1

Danger label(s) 3



Excepted quantities (EQ) E1

Limited quantities (LQ) 5 L

Transport category (TC) 3

Hazard identification No 30

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant -

Danger label(s) 3



Special provisions (SP) 223, 955

Excepted quantities (EQ) E1


Limited quantities (LQ) 5 L

EmS F-E, S-E

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| | |
|---|------|
| Stowage category | A |
| International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information | |
| Danger label(s) | 3 |
|  | |
| Special provisions (SP) | A3 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 10 L |

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

| Pollutant release and transfer registers (PRTR) | | | |
|---|-----------|--------------|---|
| Name of substance | CAS No | Remarks | Threshold for releases to air (kg/year) |
| xylene | 1330-20-7 | (17) (11) | |
| ethylbenzene | 100-41-4 | (11) | |

Legend

- (11) Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded
(17) Total mass of xylene (ortho-xylene, meta-xylene, para-xylene)

Water Framework Directive (WFD)

none of the ingredients are listed

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

National regulations (GB)

Restrictions according to GB REACH, Annex 17

none of the ingredients are listed

| Dangerous substances with restrictions (GB REACH, Annex 17) | | | |
|---|--|--------|----|
| Name of substance | Name acc. to inventory | CAS No | No |
| Nitocolour 2C B-component | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC | | 3 |

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National inventories

| Country | Inventory | Status |
|---------|------------|----------------------------|
| EU | REACH Reg. | all ingredients are listed |

Legend

REACH Reg. REACH registered substances

15.2 Chemical safety assessment

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

SECTION 16: Other information

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|-----------------|---|
| 2000/39/EC | Commission Directive establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC |
| Acute Tox. | Acute toxicity |
| ADR | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road) |
| Aquatic Chronic | Hazardous to the aquatic environment - chronic hazard |
| Asp. Tox. | Aspiration hazard |
| ATE | Acute Toxicity Estimate |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| Ceiling-C | Ceiling value |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DNEL | Derived No-Effect Level |
| EC No | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) |
| EH40/2005 | EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/) |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| EmS | Emergency Schedule |
| Eye Dam. | Seriously damaging to the eye |
| Eye Irrit. | Irritant to the eye |
| Flam. Liq. | Flammable liquid |
| GB REACH | The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended) |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA | International Air Transport Association |

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| Abbr. | Descriptions of used abbreviations |
|-------------|---|
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| ICAO-TI | Technical instructions for the safe transport of dangerous goods by air |
| IMDG | International Maritime Dangerous Goods Code |
| IMDG-Code | International Maritime Dangerous Goods Code |
| index No | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 |
| IOELV | Indicative occupational exposure limit value |
| NLP | No-Longer Polymer |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| ppm | Parts per million |
| RCP | Reciprocal calculation procedure |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| Resp. Sens. | Respiratory sensitisation |
| RID | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| Skin Sens. | Skin sensitisation |
| STEL | Short-term exposure limit |
| STOT RE | Specific target organ toxicity - repeated exposure |
| STOT SE | Specific target organ toxicity - single exposure |
| TWA | Time-weighted average |
| vPvB | Very Persistent and very Bioaccumulative |
| WEL | Workplace exposure limit |

Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | May cause respiratory irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects. |

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.