

Trade name: einZA Dachgrundierung, farblos

Product no.: 0035343

Current version : 4.0.0, issued: 04.01.2024

Replaced version: 3.0.2, issued: 07.08.2023

Region: GB

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

1.1 Product identifier

Trade name

einZA Dachgrundierung, farblos

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

Relevant identified uses of the substance or mixture
decorative paints/finishes

Uses advised against
No data available.

1.3 Details of the supplier of the safety data sheet

Address

einZA Farben GmbH & Co KG
Junkersstraße 13
30179 Hannover

Telephone no. +49 (0)511 67490-0
Fax no. +49 (0)511 67490-20
e-mail info@einZA.com

Advice on Safety Data Sheet
sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):
+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 2; H411
Flam. Liq. 3; H226
Resp. Sens. 1; H334
STOT SE 3; H335
STOT SE 3; H336

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS02



GHS07



GHS08



GHS09

Signal word
Danger

Hazardous component(s) to be indicated on label:
Hydrocarbons, C9, aromatics
tosyl isocyanate

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m-tolyldiene diisocyanate

Hazard statement(s)

- H226 Flammable liquid and vapour.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Hazard statements (EU)

- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH208 Contains triphenyl phosphite. May produce an allergic reaction.

Precautionary statement(s)

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- P370+P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
- P391 Collect spillage.
- P405 Store locked up.
- P501 Dispose of contents/container to a facility in accordance with local and national regulations.

Supplemental label elements

'As from 24 August 2023 adequate training is required before industrial or professional use'

2.3 Other hazards

- PBT assessment
The components of this product are not considered to be a PBT.
- vPvB assessment
The components of this product are not considered to be a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

| No | Substance name | Additional information | |
|----|---|--|-----------------------------------|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration % |
| 1 | Hydrocarbons, C9, aromatics | | pls. refer to footnote (2) |
| | 64742-95-6 918-668-5 649-356-00-4 01-2119455851-35 | Flam. Liq. 3; H226 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411 Asp. Tox. 1; H304 EUH066 | >= 50.00 - < 70.00 wt% |
| 2 | 2-methoxy-1-methylethyl acetate | | |
| | 108-65-6 203-603-9 607-195-00-7 01-2119475791-29 | Flam. Liq. 3; H226 STOT SE 3; H336 | >= 10.00 - < 25.00 wt% |
| 3 | tosyl isocyanate | | |

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| | | | | |
|---|---|---|--------|-----|
| | 4083-64-1 223-810-8 615-012-00-7 01-2119980050-47 | EUH014 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Irrit. 2; H315 STOT SE 3; H335 | < 2.50 | wt% |
| 4 | m-tolylidene diisocyanate | | | |
| | 26471-62-5 247-722-4 615-006-00-4 01-2119454791-34 | Acute Tox. 1; H330 Aquatic Chronic 3; H412 Carc. 2; H351 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335 | < 0.50 | wt% |
| 5 | triphenyl phosphite | | | |
| | 101-02-0 202-908-4 015-105-00-7 01-2119511213-58 | Acute Tox. 4; H302 Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | < 0.50 | wt% |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(2) According to the latest state of knowledge and applying the criteria set out in annex I to Regulation (EC) No 1272/2008, the aforementioned classification is required. This classification goes beyond the classification set out in table 3, Annex VI to Regulation (CE) No 1272/2008.

| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|----|------|---|------------------|--------------------|
| 1 | P | - | - | - |
| 4 | - | Resp. Sens. 1; H334: C \geq 0.1% | - | - |
| 5 | - | Skin Irrit. 2; H315: C \geq 5% Eye Irrit. 2; H319: C \geq 5% | - | - |

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

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5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray

Unsuitable extinguishing media

water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); Toxic pyrolysis products; Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses. Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Is not allowed to be released into the sewerage or water courses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet [sanding]/[flattening] should be used wherever possible. Avoid inhalation of dust from sanding. For personal protection see section 8.

General protective and hygiene measures

Avoid skin and eye contact. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Advice on protection against fire and explosion

Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Comply with legal health and safety regulations; Prevent unauthorised access. Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep away from sources of ignition. No smoking.

Requirements for storage rooms and vessels

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Always keep in containers of same material as the original one. Never use pressure to empty: container is not a pressure vessel. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Observe label precautions.

Incompatible products

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

| No | Substance name | CAS no. | EC no. |
|---|---|------------|---------------------------|
| 1 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| 1-Methoxypropylacetate | | | |
| | WEL short-term (15 min reference period) | 548 | mg/m ³ 100 ppm |
| | WEL long-term (8-hr TWA reference period) | 274 | mg/m ³ 50 ppm |
| | Comments | Sk | |
| 2000/39/EC | | | |
| 2-Methoxy-1-methylethylacetate | | | |
| | WEL short-term (15 min reference period) | 550 | mg/m ³ 100 ppm |
| | WEL long-term (8-hr TWA reference period) | 275 | mg/m ³ 50 ppm |
| | Skin resorption / sensibilisation | Skin | |
| 2 | tosyl isocyanate | 4083-64-1 | 223-810-8 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| Isocyanates, all (as -NCO) Exept methyl isocyanate | | | |
| | WEL short-term (15 min reference period) | 0.07 | mg/m ³ |
| | WEL long-term (8-hr TWA reference period) | 0.02 | mg/m ³ |
| | Comments | Sen | |
| 3 | m-tolylidene diisocyanate | 26471-62-5 | 247-722-4 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| Isocyanates, all (as -NCO) Exept methyl isocyanate | | | |
| | WEL short-term (15 min reference period) | 0.07 | mg/m ³ |
| | WEL long-term (8-hr TWA reference period) | 0.02 | mg/m ³ |
| | Comments | Sen | |

DNEL, DMEL and PNEC values**DNEL values (worker)**

| No | Substance name | | | CAS / EC no |
|----|---------------------------------|---------------------|----------|-------------------------|
| | Route of exposure | Exposure time | Effect | Value |
| 1 | Hydrocarbons, C9, aromatics | | | 64742-95-6 918-668-5 |
| | dermal | Long term (chronic) | systemic | 12.5 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 151 mg/m ³ |
| 2 | 2-methoxy-1-methylethyl acetate | | | 108-65-6 203-603-9 |
| | dermal | Long term (chronic) | systemic | 796 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 275 mg/m ³ |
| | inhalative | Short term (acut) | local | 550 mg/m ³ |
| 3 | m-tolylidene diisocyanate | | | 26471-62-5 247-722-4 |
| | inhalative | Long term (chronic) | systemic | 0.035 mg/m ³ |
| | inhalative | Short term (acut) | systemic | 0.14 mg/m ³ |
| | inhalative | Long term (chronic) | local | 0.035 mg/m ³ |
| | inhalative | Short term (acut) | local | 0.14 mg/m ³ |
| 4 | triphenyl phosphite | | | 101-02-0 202-908-4 |

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| | | | | |
|------------|---------------------|----------|------|--------------------|
| dermal | Long term (chronic) | systemic | 0.3 | µg/kg bw/day |
| dermal | Long term (chronic) | local | 11.7 | µg/cm ² |
| dermal | Short term (acut) | local | 11.7 | µg/cm ² |
| inhalative | Long term (chronic) | systemic | 1.06 | mg/m ³ |

DNEL value (consumer)

| No | Substance name | | | CAS / EC no | |
|----|--|---------------------|----------|---------------------------------------|--------------------|
| | Route of exposure | Exposure time | Effect | Value | |
| 1 | Hydrocarbons, C9, aromatics | | | 64742-95-6 918-668-5 | |
| | oral | Long term (chronic) | systemic | 7.5 | mg/kg/day |
| | dermal | Long term (chronic) | systemic | 7.5 | mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 32 | mg/m ³ |
| 2 | 2-methoxy-1-methylethyl acetate | | | 108-65-6 203-603-9 | |
| | oral | Long term (chronic) | systemic | 36 | mg/kg/day |
| | oral | Short term (acut) | systemic | 500 | mg/kg/day |
| | dermal | Long term (chronic) | systemic | 320 | mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 33 | mg/m ³ |
| | inhalative | Long term (chronic) | local | 33 | mg/m ³ |
| 3 | triphenyl phosphite | | | 101-02-0 202-908-4 | |
| | oral | Long term (chronic) | systemic | 75 | µg/kg bw/day |
| | dermal | Long term (chronic) | systemic | 150 | µg/kg bw/day |
| | dermal | Long term (chronic) | local | 11.7 | µg/cm ² |
| | dermal | Short term (acut) | local | 11.7 | µg/cm ² |
| | inhalative | Long term (chronic) | systemic | 0.53 | mg/m ³ |

PNEC values

| No | Substance name | | CAS / EC no | |
|----|--|-----------------------|---------------------------------------|------------------|
| | ecological compartment | Type | Value | |
| 1 | 2-methoxy-1-methylethyl acetate | | 108-65-6 203-603-9 | |
| | water | fresh water | 0.635 | mg/L |
| | water | marine water | 0.064 | mg/L |
| | water | fresh water sediment | 3.29 | mg/kg |
| | with reference to: dry weight | | | |
| | water | marine water sediment | 0.329 | mg/kg |
| | with reference to: dry weight | | | |
| | soil | - | 0.29 | mg/kg |
| | with reference to: dry weight | | | |
| | sewage treatment plant | - | 100 | mg/L |
| 2 | m-tolylidene diisocyanate | | 26471-62-5 247-722-4 | |
| | water | fresh water | 0.013 | mg/L |
| | water | marine water | 0.001 | mg/L |
| | soil | - | 1 | mg/kg dry weight |
| | sewage treatment plant | - | 1 | mg/L |

8.2 Exposure controls

Appropriate engineering controls

Provide good ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

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If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. In case of brush application: Filter A2. When applied by spraying: Filter A2P2. (DIN EN 14387)

Eye / face protection

Wear safety goggles to protect against splashes. Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

| | | | |
|----------------------|---|-----|-----|
| Appropriate Material | In case of short-term contact / splash protection: nitrile rubber | | |
| Material thickness | > | 0.4 | mm |
| Breakthrough time | > | 120 | min |
| Appropriate Material | In case of prolonged exposure: nitrile rubber | | |
| Material thickness | > | 0.4 | mm |
| Breakthrough time | > | 480 | min |

Other

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--------------------------------------|-----------------|
| State of aggregation | |
| liquid | |
| Form | |
| liquid | |
| Colour | |
| according to product name | |
| Odour | |
| like solvents | |
| pH value | |
| No data available | |
| Boiling point / boiling range | |
| Value | > 120 °C |
| Reference substance | solvent mixture |
| Melting point/freezing point | |
| No data available | |
| Decomposition temperature | |
| No data available | |
| Flash point | |
| Value | 40 - 44 °C |
| Method | closed cup |
| Ignition temperature | |
| Value | > 200 °C |
| Reference substance | solvent mixture |
| Oxidising properties | |
| Not applicable | |

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| Flammability | |
|----------------|--|
| Not applicable | |

| Lower explosion limit | |
|-----------------------|-----------------|
| Value | > 0.6 % vol |
| Reference substance | solvent mixture |

| Upper explosion limit | |
|-----------------------|-----------------|
| Value | < 7.5 % vol |
| Reference substance | solvent mixture |

| Vapour pressure | |
|-----------------------|-----------------|
| Value | < 100 hPa |
| Reference temperature | 50 °C |
| Reference substance | solvent mixture |

| Relative vapour density | |
|-------------------------|--|
| No data available | |

| Relative density | |
|-------------------|--|
| No data available | |

| Density | |
|-----------------------|-------------------------------|
| Value | 0.95 - 0.95 g/cm ³ |
| Reference temperature | 20 °C |
| Method | DIN 51757 |

| Solubility in water | |
|---------------------|------------|
| Comments | immiscible |

| Solubility | |
|-------------------|--|
| No data available | |

| Partition coefficient n-octanol/water (log value) | | | |
|---|---------------------------------|----------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| log Pow | | 1.2 | |
| Reference temperature | | 20 °C | |
| Method | | OECD 117 | |
| Source | | ECHA | |

| Kinematic viscosity | |
|-----------------------|--------------------|
| Value | 11 - 12 sec |
| Reference temperature | 20 °C |
| Method | DIN EN 2431 (4 mm) |

| Solvent separation test | |
|-------------------------|-------|
| Value | < 3 % |
| Reference temperature | 20 °C |

| Particle characteristics | |
|--------------------------|--|
| No data available | |

9.2 Other information

| Other information | |
|--------------------|--|
| No data available. | |

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions (See section 7).

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

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Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

None if stored, handled and transported properly. In case of fire: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

| Acute oral toxicity | | | |
|---------------------|---------------------------------|------------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C9, aromatics | 64742-95-6 | 918-668-5 |
| LD50 | > | 3492 | mg/kg bodyweight |
| Species | rat | | |
| Source | ECHA | | |
| 2 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| LD50 | > | 5155 | mg/kg bodyweight |
| Species | rat | | |
| Method | OECD 401 | | |
| Source | ECHA | | |

| Acute dermal toxicity | | | |
|-----------------------|---------------------------------|------------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C9, aromatics | 64742-95-6 | 918-668-5 |
| LD50 | > | 3160 | mg/kg bodyweight |
| Species | rabbit | | |
| Method | OECD 402 | | |
| Source | ECHA | | |
| 2 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| LD50 | > | 5000 | mg/kg bodyweight |
| Species | rat | | |
| Method | OECD 402 | | |
| Source | ECHA | | |

| Acute inhalational toxicity (result of the ATE calculation for the mixture) | |
|---|--|
| No | Product Name |
| 1 | einZA Dachgrundierung, farblos |
| Comments | The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists)). |

| Acute inhalational toxicity | | | |
|-----------------------------|---|------------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C9, aromatics | 64742-95-6 | 918-668-5 |
| LC50 | > | 6.193 | mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | Vapour | | |
| Species | rat | | |
| Method | OECD 403 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| 2 | m-tolylidene diisocyanate | 26471-62-5 | 247-722-4 |
| LC50 | | 0.48 | mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | Vapour | | |

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| | | | |
|----------------------|----------------------------|-----------------|------------------|
| Species | rat | | |
| Method | OECD 403 | | |
| Source | ECHA | | |
| 3 | triphenyl phosphite | 101-02-0 | 202-908-4 |
| LC50 | > | 6.7 | mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | Dust/mist | | |
| Species | rat | | |
| Method | OECD 403 | | |
| Source | ECHA | | |

| Skin corrosion/irritation | | | |
|---------------------------|---|-------------------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C9, aromatics | 64742-95-6 | 918-668-5 |
| Species | rabbit | | |
| Method | OECD 404 | | |
| Source | ECHA | | |
| Evaluation | low-irritant | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| 2 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| Species | rabbit | | |
| Method | OECD 404 | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |
| 3 | triphenyl phosphite | 101-02-0 | 202-908-4 |
| Species | guinea pig | | |
| Method | EPA OTS 798.4470 | | |
| Source | ECHA | | |
| Evaluation | irritant | | |
| Evaluation/classification | Based on available data, the classification criteria are met. | | |

| Serious eye damage/irritation | | | |
|-------------------------------|---|-------------------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C9, aromatics | 64742-95-6 | 918-668-5 |
| Species | rabbit | | |
| Method | OECD 405 | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |
| 2 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| Species | rabbit | | |
| Method | OECD 405 | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |
| 3 | m-tolylidene diisocyanate | 26471-62-5 | 247-722-4 |
| Species | rabbit | | |
| Method | Draize method | | |
| Source | ECHA | | |
| Evaluation | Irritating to eyes | | |
| 4 | triphenyl phosphite | 101-02-0 | 202-908-4 |
| Species | rabbit | | |
| Method | OECD 405 | | |
| Source | ECHA | | |
| Evaluation | Irritating to eyes | | |
| Evaluation/classification | Based on available data, the classification criteria are met. | | |

| Respiratory or skin sensitisation | | | |
|-----------------------------------|------------------------------------|-------------------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C9, aromatics | 64742-95-6 | 918-668-5 |
| Route of exposure | Skin | | |
| Species | guinea pig | | |
| Method | OECD 406 | | |
| Source | ECHA | | |
| Evaluation | non-sensitizing | | |

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| | | | |
|-------------------|--|-----------------|------------------|
| 2 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| Route of exposure | | Skin | |
| Species | | guinea pig | |
| Method | | OECD 406 | |
| Source | | ECHA | |
| Evaluation | | non-sensitizing | |

| | | | |
|-------------------|----------------------------------|-------------------|------------------|
| 3 | m-tolylidene diisocyanate | 26471-62-5 | 247-722-4 |
| Route of exposure | | Skin | |
| Species | | mouse | |
| Method | | OECD 429 | |
| Source | | ECHA | |
| Evaluation | | sensitizing | |

| | | | |
|---------------------------|----------------------------|---|------------------|
| 4 | triphenyl phosphite | 101-02-0 | 202-908-4 |
| Route of exposure | | Skin | |
| Species | | mouse | |
| Method | | OECD 429 | |
| Source | | ECHA | |
| Evaluation | | sensitizing | |
| Evaluation/classification | | Based on available data, the classification criteria are met. | |

Germ cell mutagenicity

| No | Substance name | CAS no. | EC no. |
|----------|------------------------------------|-------------------|------------------|
| 1 | Hydrocarbons, C9, aromatics | 64742-95-6 | 918-668-5 |

| | | | |
|---------------------------|--|---|--|
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

| | | | |
|---------------------------|--|---|------------------|
| 2 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| Type of examination | | in vitro gene mutation study in bacteria | |
| Method | | OECD 471 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

| | | | |
|----------|----------------------------|-----------------|------------------|
| 3 | triphenyl phosphite | 101-02-0 | 202-908-4 |
|----------|----------------------------|-----------------|------------------|

| | | | |
|---------------------------|--|---|--|
| Type of examination | | in vitro gene mutation study in bacteria | |
| Species | | S. typhimurium TA 1535, TA 1537, TA 98 and TA 100S. typhimurium TA 1535, TA 1537, TA 98, TA 100, TA 102 | |
| Method | | OECD 471 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

Reproduction toxicity

| No | Substance name | CAS no. | EC no. |
|----------|------------------------------------|-------------------|------------------|
| 1 | Hydrocarbons, C9, aromatics | 64742-95-6 | 918-668-5 |

| | | | |
|---------------------------|--|---|--|
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

Carcinogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

| No | Substance name | CAS no. | EC no. |
|----------|--|-----------------|------------------|
| 1 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |

| | | | |
|---------------------------|--|---|--|
| Route of exposure | | oral | |
| Species | | rats (male/female) | |
| Method | | OECD 422 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

Aspiration hazard

No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

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Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

| Toxicity to fish (acute) | | | |
|---------------------------------|---------------------------------|------------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C9, aromatics | 64742-95-6 | 918-668-5 |
| LL50 | | 9.2 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Oncorhynchus mykiss | | |
| Method | OECD 203 | | |
| Source | ECHA | | |
| 2 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| LC50 | 100 | - 180 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Oncorhynchus mykiss | | |
| Method | OECD 203 | | |
| Source | ECHA | | |

| Toxicity to fish (chronic) | | | |
|-----------------------------------|--|--|--|
| No data available | | | |

| Toxicity to Daphnia (acute) | | | |
|------------------------------------|---------------------------------|------------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C9, aromatics | 64742-95-6 | 918-668-5 |
| EL50 | | 3.2 | mg/l |
| Duration of exposure | | 48 | h |
| Species | Daphnia magna | | |
| Method | OECD 202 | | |
| Source | ECHA | | |
| 2 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| EC50 | > | 500 | mg/l |
| Duration of exposure | | 48 | h |
| Species | Daphnia magna | | |
| Method | EU Method C.2 | | |
| Source | ECHA | | |

| Toxicity to Daphnia (chronic) | | | |
|--------------------------------------|---------------------------------|----------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| NOEC | >= | 100 | mg/l |
| Duration of exposure | | 21 | day(s) |
| Species | Daphnia magna | | |
| Method | OECD 211 | | |
| Source | ECHA | | |

| Toxicity to algae (acute) | | | |
|----------------------------------|--|--|--|
| | | | |

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| No | Substance name | CAS no. | EC no. |
|----------------------|---------------------------------|------------|-----------|
| 1 | Hydrocarbons, C9, aromatics | 64742-95-6 | 918-668-5 |
| EL50 | | 2.9 | mg/l |
| Duration of exposure | | 72 | h |
| Species | Pseudokirchneriella subcapitata | | |
| Method | OECD 201 | | |
| Source | ECHA | | |
| 2 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| EC50 | | > | 1000 mg/l |
| Duration of exposure | | 96 | h |
| Species | Raphidocelis subcapitata | | |
| Method | OECD 201 | | |
| Source | ECHA | | |

Toxicity to algae (chronic)

No data available

Bacteria toxicity

| No | Substance name | CAS no. | EC no. |
|----------------------|---------------------------------|------------|-----------|
| 1 | Hydrocarbons, C9, aromatics | 64742-95-6 | 918-668-5 |
| EC50 | | > | 99 mg/l |
| Duration of exposure | | 10 | min |
| Species | activated sludge | | |
| Method | OECD 209 | | |
| Source | ECHA | | |
| 2 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| EC10 | | > | 1000 mg/l |
| Duration of exposure | | 30 | min |
| Species | activated sludge | | |
| Method | OECD 209 | | |
| Source | ECHA | | |

12.2 Persistence and degradability**Biodegradability**

| No | Substance name | CAS no. | EC no. |
|---------------------------|---------------------------------|------------|-----------|
| 1 | Hydrocarbons, C9, aromatics | 64742-95-6 | 918-668-5 |
| Type | BSB | | |
| Value | | 78 | % |
| Duration | | 28 | d |
| Method | OECD 301 F | | |
| Source | ECHA | | |
| Evaluation | readily biodegradable | | |
| 2 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| Type | aerobic biodegradation | | |
| Value | | 83 | % |
| Duration | | 28 | day(s) |
| Method | OECD 301 F | | |
| Source | ECHA | | |
| Evaluation | readily biodegradable | | |
| 3 | triphenyl phosphite | 101-02-0 | 202-908-4 |
| Type | aerobic biodegradation | | |
| Value | | 84 | % |
| Duration | | 28 | day(s) |
| Method | OECD 301 D | | |
| Source | ECHA | | |
| Evaluation/classification | Readily biodegradable | | |

12.3 Bioaccumulative potential**Partition coefficient n-octanol/water (log value)**

| No | Substance name | CAS no. | EC no. |
|---------|---------------------------------|----------|-----------|
| 1 | 2-methoxy-1-methylethyl acetate | 108-65-6 | 203-603-9 |
| log Pow | | 1.2 | |

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| | | |
|-----------------------|----------|----|
| Reference temperature | 20 | °C |
| Method | OECD 117 | |
| Source | ECHA | |

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

| Results of PBT and vPvB assessment | |
|------------------------------------|---|
| PBT assessment | The components of this product are not considered to be a PBT. |
| vPvB assessment | The components of this product are not considered to be a vPvB. |

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

| Other information |
|--|
| Do not allow to enter drains or water courses. |

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste code 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company. Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer. Empty containers must be scrapped or reconditioned.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class 3
 Classification code F1
 Packing group III
 Hazard identification no. 30
 UN number UN1263
 Proper shipping name PAINT
 Tunnel restriction code D/E
 Label 3
 Environmentally hazardous substance mark Symbol "fish and tree"

14.2 Transport IMDG

Class 3
 Packing group III
 UN number UN1263
 Proper shipping name PAINT
 Technical name Hydrocarbons, C9, aromatics
 EmS F-E+S-E
 Label 3
 Marine pollutant mark Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class 3
 Packing group III

Trade name: einza Dachgrundierung, farblos

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Region: GB

UN number UN1263
 Proper shipping name Paint
 Label 3

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3, 40

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

| No | Substance name | CAS no. | EC no. | No |
|----|---------------------------|------------|-----------|--------|
| 1 | m-tolylidene diisocyanate | 26471-62-5 | 247-722-4 | 74, 75 |
| 2 | tosyl isocyanate | 4083-64-1 | 223-810-8 | 75 |
| 3 | triphenyl phosphite | 101-02-0 | 202-908-4 | 75 |

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category: E2, P5c

If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)

VOC content 76.59 %

Directive 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products

relevant VOC limit value as referred to in Annex II of Directive 2004/42/CE , Cat. : h, type: lb = 750 g/l

Max. VOC content (limit value) of the product in its ready for use condition = < 750 g/l

National regulations

Other national regulations

Adhere to national regulations for proper handling and use of hazardous materials. Use appropriate personal protective equipment.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

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SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

| | |
|--------|---|
| EUH014 | Reacts violently with water. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H351 | Suspected of causing cancer. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

| | |
|---|--|
| P | The harmonised classification as a carcinogen applies unless the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen, in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class. |
|---|--|

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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