

SAFETY DATA SHEET



TEKNOLAC PRIMER 0168-00 - All variants

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

1.1 Product identifier

Product name : TEKNOLAC PRIMER 0168-00 - All variants

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

Product use : Paint.

1.3 Details of the supplier of the safety data sheet

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

e-mail address of person responsible for this SDS : Prod-safe@teknos.com

National contact

Teknos (UK) Limited, 7 Longlands Rd, Bicester, Oxfordshire OX26 5AH, United Kingdom. Tel. +44 (0) 1869 208005.

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number : NHS: 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to UK CLP/GHS

Flam. Liq. 3, H226

Skin Irrit. 2, H315

Eye Irrit. 2, H319

STOT SE 3, H335

STOT RE 2, H373

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :



Signal word : Warning

Hazard statements :

H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention :

P280 - Wear protective gloves. Wear eye or face protection.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 - Do not breathe vapour.

SECTION 2: Hazards identification

| | |
|---|--|
| Response | : P314 - Get medical advice/attention if you feel unwell. |
| Storage | : P403 + P233 - Store in a well-ventilated place. Keep container tightly closed. |
| Disposal | : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Supplemental label elements | : Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : Not applicable. |

2.3 Other hazards

| | |
|--|---|
| Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII | : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Other hazards which do not result in classification | : None known. |

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

| Product/ingredient name | Identifiers | % | Classification | Type |
|----------------------------------|--|-----------|--|---------|
| Xylene | REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9 | ≥25 - ≤45 | 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 (oral, inhalation) Asp. Tox. 1, H304 | [1] [2] |
| Ethylbenzene | REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4 | ≤9.9 | Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) (oral, inhalation) Asp. Tox. 1, H304 | [1] [2] |
| iso-butanol | REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1 | <1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336 | [1] [2] |
| magnesium carbonate | EC: 208-915-9 CAS: 546-93-0 | ≤0.3 | Not classified. | [2] |
| neodecanoic acid, zirconium salt | EC: 254-259-1 CAS: 39049-04-2 | ≤0.1 | Skin Irrit. 2, H315 | [1] [2] |
| neodecanoic acid, cobalt salt | REACH #: 01-2119970733-31 EC: 248-373-0 CAS: 27253-31-2 | ≤0.1 | Acute Tox. 4, H302 Skin Sens. 1, H317 STOT RE 1, H372 Aquatic Chronic 3, H412 | [1] [2] |
| 1-Methoxy 2-propanol | REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3 | ≤0.1 | Flam. Liq. 3, H226 STOT SE 3, H336 | [1] [2] |
| Propylene glycol | REACH #: 01-2119456809-23 EC: 200-338-0 | ≤0.1 | Not classified. | [2] |

SECTION 3: Composition/information on ingredients

| | | | | |
|----------------------------|---|------|--|---------|
| cumene | CAS: 57-55-6 EC: 202-704-5 CAS: 98-82-8 Index: 601-024-00-X | ≤0.1 | Flam. Liq. 3, H226 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 | [1] [2] |
| Toluene | REACH #: 01-2119471310-51 EC: 203-625-9 CAS: 108-88-3 Index: 601-021-00-3 | ≤0.1 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 | [1] [2] |
| benzene | EC: 200-753-7 CAS: 71-43-2 Index: 601-020-00-8 | <0.1 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Muta. 1B, H340 Carc. 1A, H350 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 | [1] [2] |
| 2,6-di-tert-butyl-p-cresol | REACH #: 01-2119565113-46 EC: 204-881-4 CAS: 128-37-0 | <0.1 | Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) See Section 16 for the full text of the H statements declared above. | [1] [2] |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact

- : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation

- : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

- : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

- : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a

SECTION 4: First aid measures

collar, tie, belt or waistband.

- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO₂, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
- Hazardous combustion products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
phosphorus oxides
metal oxide/oxides

5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to British standard BS EN 469 will provide a basic level of protection for chemical incidents.



SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- 6.2 Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

- Small spill** :  Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** :  Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

- 6.4 Reference to other sections** : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.


SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

 Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SECTION 7: Handling and storage

Seveso Directive - Reporting thresholds

Danger criteria

| Category | Notification and MAPP threshold | Safety report threshold |
|----------|---------------------------------|-------------------------|
| P5c | 5000 tonnes | 50000 tonnes |

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

| | |
|----------------------------------|--|
| Xylene | EH40/2005 WELs (United Kingdom (UK), 1/2020) [xylene, o-,m-, p- or mixed isomers] Absorbed through skin. STEL 15 minutes: 441 mg/m ³ . TWA 8 hours: 50 ppm. TWA 8 hours: 220 mg/m ³ . STEL 15 minutes: 100 ppm. |
| Ethylbenzene | EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed through skin. STEL 15 minutes: 552 mg/m ³ . STEL 15 minutes: 125 ppm. TWA 8 hours: 100 ppm. TWA 8 hours: 441 mg/m ³ . |
| iso-butanol | EH40/2005 WELs (United Kingdom (UK), 1/2020) STEL 15 minutes: 231 mg/m ³ . STEL 15 minutes: 75 ppm. TWA 8 hours: 154 mg/m ³ . TWA 8 hours: 50 ppm. |
| magnesium carbonate | EH40/2005 WELs (United Kingdom (UK), 1/2020) TWA 8 hours: 10 mg/m ³ . Form: inhalable dust. TWA 8 hours: 4 mg/m ³ . Form: respirable dust. |
| neodecanoic acid, zirconium salt | EH40/2005 WELs (United Kingdom (UK), 1/2020) [zirconium compounds] STEL 15 minutes: 10 mg/m ³ (as Zr). TWA 8 hours: 5 mg/m ³ (as Zr). |
| neodecanoic acid, cobalt salt | EH40/2005 WELs (United Kingdom (UK), 1/2020) [cobalt and cobalt compounds] Carc. Inhalation sensitiser. TWA 8 hours: 0.1 mg/m ³ (as Co). |
| 1-Methoxy 2-propanol | EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed through skin. STEL 15 minutes: 560 mg/m ³ . STEL 15 minutes: 150 ppm. TWA 8 hours: 375 mg/m ³ . TWA 8 hours: 100 ppm. |
| Propylene glycol | EH40/2005 WELs (United Kingdom (UK), 1/2020) TWA 8 hours: 474 mg/m ³ . Form: total vapour and particulates. TWA 8 hours: 150 ppm. Form: total vapour and particulates. TWA 8 hours: 10 mg/m ³ . Form: Particulate. |
| cumene | EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed through skin. STEL 15 minutes: 250 mg/m ³ . STEL 15 minutes: 50 ppm. TWA 8 hours: 25 ppm. TWA 8 hours: 125 mg/m ³ . |
| Toluene | EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed through skin. |

SECTION 8: Exposure controls/personal protection

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|----------------------------|--|
| benzene | STEL 15 minutes: 384 mg/m ³ . TWA 8 hours: 191 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. EH40/2005 WELs (United Kingdom (UK), 1/2020) Carc. Absorbed through skin. TWA 8 hours: 1 ppm. TWA 8 hours: 3.25 mg/m ³ . |
| 2,6-di-tert-butyl-p-cresol | EH40/2005 WELs (United Kingdom (UK), 1/2020) TWA 8 hours: 10 mg/m ³ . |

Biological exposure indices

| Product/ingredient name | Exposure indices |
|-------------------------|--|
| Xylene | EH40/2005 BMGVs (United Kingdom (UK), 1/2020) [Xylene, o-, m-, p- or mixed isomers] BGV: 650 mmol/mol creatinine, methyl hippuric acid [in urine]. Sampling time: post shift. |

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

| Product/ingredient name | Result |
|-------------------------|--|
| Xylene | DNEL - General population - Long term - Oral 5 mg/kg bw/day <u>Effects</u> : Systemic DNEL - General population - Long term - Inhalation 65.3 mg/m ³ <u>Effects</u> : Local DNEL - General population - Long term - Inhalation 65.3 mg/m ³ <u>Effects</u> : Systemic DNEL - General population - Long term - Dermal 125 mg/kg bw/day <u>Effects</u> : Systemic DNEL - Workers - Long term - Dermal 212 mg/kg bw/day <u>Effects</u> : Systemic DNEL - Workers - Long term - Inhalation 221 mg/m ³ <u>Effects</u> : Local DNEL - Workers - Long term - Inhalation 221 mg/m ³ <u>Effects</u> : Systemic DNEL - General population - Short term - Inhalation 260 mg/m ³ <u>Effects</u> : Local DNEL - General population - Short term - Inhalation 260 mg/m ³ <u>Effects</u> : Systemic |

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| | |
|--|--|
| Ethylbenzene | DNEL - Workers - Short term - Inhalation 442 mg/m ³ <u>Effects</u> : Local |
| | DNEL - Workers - Short term - Inhalation 442 mg/m ³ <u>Effects</u> : Systemic |
| | DMEL - Workers - Long term - Inhalation 442 mg/m ³ <u>Effects</u> : Local |
| | DMEL - Workers - Short term - Inhalation 884 mg/m ³ <u>Effects</u> : Systemic |
| | DNEL - General population - Long term - Oral 1.6 mg/kg bw/day <u>Effects</u> : Systemic |
| | DNEL - General population - Long term - Inhalation 15 mg/m ³ <u>Effects</u> : Systemic |
| iso-butanol | DNEL - Workers - Long term - Inhalation 77 mg/m ³ <u>Effects</u> : Systemic |
| | DNEL - Workers - Long term - Dermal 180 mg/kg bw/day <u>Effects</u> : Systemic |
| | DNEL - Workers - Short term - Inhalation 293 mg/m ³ <u>Effects</u> : Local |
| magnesium carbonate | DNEL - General population - Long term - Inhalation 55 mg/m ³ <u>Effects</u> : Local |
| | DNEL - Workers - Long term - Inhalation 310 mg/m ³ <u>Effects</u> : Local |
| | DNEL - General population - Short term - Oral 7.23 mg/kg bw/day <u>Effects</u> : Systemic |
| neodecanoic acid, cobalt salt | DNEL - General population - Long term - Oral 7.23 mg/kg bw/day <u>Effects</u> : Systemic |
| | DNEL - General population - Long term - Oral 32 µg/kg bw/day <u>Effects</u> : Systemic |
| | DNEL - General population - Long term - Inhalation 43 µg/m ³ <u>Effects</u> : Local |
| 1-Methoxy 2-propanol | DNEL - Workers - Long term - Inhalation 273.2 µg/m ³ <u>Effects</u> : Local |
| | DNEL - General population - Long term - Oral |
| Date of issue / Date of revision : 06/03/2025 Date of previous issue : 29/04/2024 Version : 4 8/25 | |
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| | |
|------------------|--|
| | <div>33 mg/kg bw/day</div> <div>Effects: Systemic</div> <div>DNEL - General population - Long term - Inhalation</div> <div>43.9 mg/m³</div> <div>Effects: Systemic</div> <div>DNEL - General population - Long term - Dermal</div> <div>78 mg/kg bw/day</div> <div>Effects: Systemic</div> <div>DNEL - Workers - Long term - Dermal</div> <div>183 mg/kg bw/day</div> <div>Effects: Systemic</div> <div>DNEL - Workers - Long term - Inhalation</div> <div>369 mg/m³</div> <div>Effects: Systemic</div> <div>DNEL - Workers - Short term - Inhalation</div> <div>553.5 mg/m³</div> <div>Effects: Local</div> <div>DNEL - Workers - Short term - Inhalation</div> <div>553.5 mg/m³</div> <div>Effects: Systemic</div> |
| Propylene glycol | <div>DNEL - General population - Long term - Inhalation</div> <div>10 mg/m³</div> <div>Effects: Local</div> <div>DNEL - Workers - Long term - Inhalation</div> <div>10 mg/m³</div> <div>Effects: Local</div> <div>DNEL - General population - Long term - Inhalation</div> <div>50 mg/m³</div> <div>Effects: Systemic</div> <div>DNEL - Workers - Long term - Inhalation</div> <div>168 mg/m³</div> <div>Effects: Systemic</div> |
| cumene | <div>DNEL - General population - Long term - Dermal</div> <div>1.2 mg/kg bw/day</div> <div>Effects: Systemic</div> <div>DNEL - Workers - Long term - Dermal</div> <div>15.4 mg/kg bw/day</div> <div>Effects: Systemic</div> <div>DNEL - Workers - Long term - Inhalation</div> <div>100 mg/m³</div> <div>Effects: Systemic</div> <div>DNEL - Workers - Short term - Inhalation</div> <div>250 mg/m³</div> <div>Effects: Local</div> <div>DNEL - General population - Long term - Oral</div> <div>5 mg/kg bw/day</div> <div>Effects: Systemic</div> <div>DNEL - General population - Long term - Inhalation</div> <div>16.6 mg/m³</div> <div>Effects: Systemic</div> |

SECTION 8: Exposure controls/personal protection

Toluene

DNEL - General population - Long term - Oral

8.13 mg/kg bw/day

Effects: Systemic

DNEL - General population - Long term - Inhalation

56.5 mg/m³

Effects: Local

DNEL - General population - Long term - Inhalation

56.5 mg/m³

Effects: Systemic

DNEL - Workers - Long term - Inhalation

192 mg/m³

Effects: Local

DNEL - Workers - Long term - Inhalation

192 mg/m³

Effects: Systemic

DNEL - General population - Long term - Dermal

226 mg/kg bw/day

Effects: Systemic

DNEL - General population - Short term - Inhalation

226 mg/m³

Effects: Local

DNEL - General population - Short term - Inhalation

226 mg/m³

Effects: Systemic

DNEL - Workers - Long term - Dermal

384 mg/kg bw/day

Effects: Systemic

DNEL - Workers - Short term - Inhalation

384 mg/m³

Effects: Local

DNEL - Workers - Short term - Inhalation

384 mg/m³

Effects: Systemic

benzene

DNEL - General population - Long term - Inhalation

0.14 mg/m³

Effects: Systemic

2,6-di-tert-butyl-p-cresol

DNEL - General population - Long term - Oral

0.25 mg/kg bw/day

Effects: Systemic

DNEL - General population - Long term - Dermal

0.25 mg/kg bw/day

Effects: Systemic

DNEL - General population - Long term - Inhalation

0.435 mg/m³

Effects: Systemic

DNEL - Workers - Long term - Dermal

0.5 mg/kg bw/day

Effects: Systemic

DNEL - Workers - Long term - Inhalation

SECTION 8: Exposure controls/personal protection

1.76 mg/m³

Effects: Systemic

PNECs

Not available.

8.2 Exposure controls

Appropriate engineering controls

- : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

Hygiene measures

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

- : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection

- : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Recommendations : Wear suitable gloves tested to EN374.

< 1 hour (breakthrough time): Nitrile gloves. thickness > 0.3 mm

1 - 4 hours (breakthrough time): polyvinyl alcohol (PVA) thickness > 0.3 mm or 4H / Silver Shield® gloves.

> 8 hours (breakthrough time): Viton® thickness > 0.3 mm gloves

Wash hands before breaks and immediately after handling the product.

Body protection

- : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to British Standard BS EN 1149 for further information on material and design requirements and test methods.

Other skin protection

- : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

- : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Filter type: A

Filter type (spray application): A P

Environmental exposure controls

- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

| | |
|---|------------------|
| Physical state | : Liquid. |
| Colour | : Various |
| Odour | : Slight |
| Odour threshold | : Not available. |
| Melting point/freezing point | : Not available. |
| Initial boiling point and boiling range | : |

| Ingredient name | °C | °F | Method |
|-----------------|--------|-------|----------|
| Ethylbenzene | 136.1 | 277 | OECD 104 |
| Xylene | 136.16 | 277.1 | |

| | |
|--|--|
| Flammability (solid, gas) | : Not available. |
| Upper/lower flammability or explosive limits | : Lower: 0.8% (xylene) Upper: 6.7% (xylene) |
| Flash point | : Closed cup: 26°C (78.8°F) |
| Auto-ignition temperature | : |

| Ingredient name | °C | °F | Method |
|-----------------|--------|-------|--------|
| Xylene | 432 | 809.6 | |
| Ethylbenzene | 432.22 | 810 | |

| | |
|---------------------------|--|
| Decomposition temperature | : Not available. |
| pH | : Not applicable. |
| Viscosity | : Dynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (40°C): >20.5 mm ² /s |

| | |
|-----------------|---|
| Solubility(ies) | : |
| Not available. | |

| | |
|---|-------------------|
| Solubility in water | : Not available. |
| Partition coefficient: n-octanol/ water | : Not applicable. |
| Vapour pressure | : |

| Ingredient name | Vapour Pressure at 20°C | | | Vapour pressure at 50°C | | |
|-----------------|-------------------------|------|--------|-------------------------|-----|--------|
| | mm Hg | kPa | Method | mm Hg | kPa | Method |
| Ethylbenzene | 9.30076 | 1.2 | | | | |
| Xylene | 6.7 | 0.89 | | | | |

| | |
|--------------------------|-------------------------|
| Relative density | : Not available. |
| Density | : 1.3 g/cm ³ |
| Vapour density | : Not available. |
| Explosive properties | : Not available. |
| Oxidising properties | : Not available. |
| Particle characteristics | |
| Median particle size | : Not applicable. |

9.2 Other information

Not available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : The product is stable.
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
- 10.5 Incompatible materials** : Reactive or incompatible with the following materials:
oxidising materials
- 10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name

Xylene

Result

Rat - Oral - LD50

4300 mg/kg

Toxic effects: Liver - Other changes Kidney, Ureter, and Bladder - Other changes

Rat - Inhalation - LC50 Vapour

21.7 mg/l [4 hours]

Ethylbenzene

Rat - Oral - LD50

3500 mg/kg

Rabbit - Dermal - LD50

15400 mg/kg

Rat - Inhalation - LC50 Dusts and mists

29000 mg/l [4 hours]

iso-butanol

Rat - Oral - LD50

2460 mg/kg

Rabbit - Dermal - LD50

3400 mg/kg

Rat - Inhalation - LC50 Vapour

19200 mg/m³ [4 hours]

magnesium carbonate

Rat - Oral - LD50

8000 mg/kg

1-Methoxy 2-propanol

Rabbit - Dermal - LD50

13 g/kg

Rat - Oral - LD50

6600 mg/kg

Toxic effects: Brain and Coverings - Other degenerative changes Behavioral - General anesthetic Lung, Thorax, or Respiration - Dyspnea

Propylene glycol

Rat - Oral - LD50

20 g/kg

SECTION 11: Toxicological information

| | |
|----------------------------|---|
| cumene | Rabbit - Dermal - LD50 20800 mg/kg |
| | Rat - Oral - LD50 1400 mg/kg <u>Toxic effects</u> : Gastrointestinal - Gastritis |
| | Rat - Inhalation - LC50 Vapour 39000 mg/m ³ [4 hours] |
| Toluene | Rat - Oral - LD50 636 mg/kg |
| | Rat - Inhalation - LC50 Vapour 49 g/m ³ [4 hours] |
| benzene | Rat - Oral - LD50 930 mg/kg <u>Toxic effects</u> : Behavioral - Tremor Behavioral - Convulsions or effect on seizure threshold |
| | Rat - Oral - LD50 890 mg/kg |
| 2,6-di-tert-butyl-p-cresol | |

Conclusion/Summary [Product] : Not available.

Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------------|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| TEKNOLAC PRIMER 0168-00 | N/A | 3755.9 | N/A | 30.8 | N/A |
| Xylene | 4300 | 1100 | N/A | 11 | N/A |
| Ethylbenzene | 3500 | 15400 | N/A | 11 | 29000 |
| iso-butanol | 2460 | 3400 | N/A | N/A | N/A |
| magnesium carbonate | 8000 | N/A | N/A | N/A | N/A |
| neodecanoic acid, cobalt salt | 500 | N/A | N/A | N/A | N/A |
| 1-Methoxy 2-propanol | 6600 | 13000 | N/A | N/A | N/A |
| Propylene glycol | 20000 | 20800 | N/A | N/A | N/A |
| cumene | N/A | N/A | N/A | 39 | N/A |
| Toluene | N/A | N/A | N/A | 49 | N/A |

Skin corrosion/irritation

Product/ingredient name

Xylene

Result

Rat - Skin - Mild irritant

Duration of treatment/exposure: 8 hours

Amount/concentration applied: 60 uL

Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

Rabbit - Skin - Moderate irritant

Amount/concentration applied: 100 %

Ethylbenzene

Rabbit - Skin - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 15 mg

1-Methoxy 2-propanol

Rabbit - Skin - Mild irritant

Amount/concentration applied: 500 mg

SECTION 11: Toxicological information

Propylene glycol

Child - Skin - Moderate irritant

Duration of treatment/exposure: 96 hours

Amount/concentration applied: 30 % C

Human - Skin - Mild irritant

Duration of treatment/exposure: 168 hours

Amount/concentration applied: 500 mg

Human - Skin - Moderate irritant

Duration of treatment/exposure: 72 hours

Amount/concentration applied: 104 mg l

Woman - Skin - Mild irritant

Duration of treatment/exposure: 96 hours

Amount/concentration applied: 30 %

cumene

Rabbit - Skin - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 10 mg

Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 100 mg

Toluene

Pig - Skin - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 250 uL

Rabbit - Skin - Mild irritant

Amount/concentration applied: 435 mg

Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 20 mg

Rabbit - Skin - Moderate irritant

Amount/concentration applied: 500 mg

benzene

Rat - Skin - Mild irritant

Duration of treatment/exposure: 8 hours

Amount/concentration applied: 60 uL

Rabbit - Skin - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 15 mg

Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 20 mg

2,6-di-tert-butyl-p-cresol

Human - Skin - Mild irritant

Duration of treatment/exposure: 48 hours

Amount/concentration applied: 500 mg

Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 48 hours

Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name

Result

SECTION 11: Toxicological information

Xylene

Rabbit - Eyes - Mild irritant

Amount/concentration applied: 87 mg

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 5 mg

Ethylbenzene

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 500 mg

1-Methoxy 2-propanol

Rabbit - Eyes - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

Propylene glycol

Rabbit - Eyes - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

Rabbit - Eyes - Mild irritant

Amount/concentration applied: 100 mg

cumene

Rabbit - Eyes - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

Rabbit - Eyes - Mild irritant

Amount/concentration applied: 86 mg

Toluene

Rabbit - Eyes - Mild irritant

Duration of treatment/exposure: 0.5 minutes

Amount/concentration applied: 100 mg

Rabbit - Eyes - Mild irritant

Amount/concentration applied: 870 ug

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 2 mg

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 0.1 MI

benzene

Rabbit - Eyes - Moderate irritant

Amount/concentration applied: 88 mg

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 2 mg

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 0.1 MI

2,6-di-tert-butyl-p-cresol

Rabbit - Eyes - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 100 mg

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

SECTION 11: Toxicological information

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name

Xylene
iso-butanol

1-Methoxy 2-propanol
cumene
Toluene

Result

STOT SE 3, H335 (Respiratory tract irritation)
STOT SE 3, H335 (Respiratory tract irritation)
STOT SE 3, H336 (Narcotic effects)
STOT SE 3, H336 (Narcotic effects)
STOT SE 3, H335 (Respiratory tract irritation)
STOT SE 3, H336 (Narcotic effects)

Specific target organ toxicity (repeated exposure)

Product/ingredient name

Xylene
Ethylbenzene
neodecanoic acid, cobalt salt
Toluene
benzene

Result

STOT RE 2, H373 (oral, inhalation)
STOT RE 2, H373 (hearing organs) (oral, inhalation)
STOT RE 1, H372
STOT RE 2, H373
STOT RE 1, H372

Aspiration hazard

Product/ingredient name

Xylene
Ethylbenzene
cumene
Toluene
benzene

Result

ASPIRATION HAZARD - Category 1
ASPIRATION HAZARD - Category 1
ASPIRATION HAZARD - Category 1
ASPIRATION HAZARD - Category 1
ASPIRATION HAZARD - Category 1

Information on likely routes of exposure

Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

SECTION 11: Toxicological information

| | |
|---------------------|---|
| Inhalation | : May cause respiratory irritation. |
| Skin contact | : Causes skin irritation. |
| Ingestion | : No known significant effects or critical hazards. |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|---------------------|--|
| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing |
| Skin contact | : Adverse symptoms may include the following: irritation redness |
| Ingestion | : No specific data. |

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

Short term exposure

| | |
|------------------------------------|------------------|
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |

Long term exposure

| | |
|------------------------------------|------------------|
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |

Potential chronic health effects

Not available.

Conclusion/Summary [Product] : Not available.

| | |
|------------------------------|--|
| General | : May cause damage to organs through prolonged or repeated exposure. |
| Carcinogenicity | : No known significant effects or critical hazards. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Reproductive toxicity | : No known significant effects or critical hazards. |

Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name

iso-butanol

Result

Acute - LC50 - Fresh water

Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss*

Weight: 1.67 g

1330000 µg/l [96 hours]

Effect: Mortality

Acute - LC50 - Marine water

Crustaceans - Brine shrimp - *Artemia salina*

600 mg/l [48 hours]

Effect: Mortality

Propylene glycol

Acute - LC50 - Fresh water

EU

Fish - Trout - *Oncorhynchus mykiss*

40613 mg/l [96 hours]

SECTION 12: Ecological information

Acute - EC50 - Fresh water

EU

Algae - Algae

19300 mg/l [96 hours]

Acute - LC50 - Fresh water

Crustaceans - Water flea - *Ceriodaphnia dubia*

Age: <24 hours

18340000 µg/l [48 hours]

Effect: Mortality

cumene

Acute - LC50 - Fresh water

Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss*

2700 µg/l [96 hours]

Effect: Mortality

Acute - EC50 - Marine water

Crustaceans - Brine shrimp - *Artemia sp.* - Nauplii

Age: 2 to 3

7.4 mg/l [48 hours]

Effect: Intoxication

Toluene

Acute - LC50 - Fresh water

Fish - Coho salmon,silver salmon - *Oncorhynchus kisutch* - Fry

Weight: 1 g

5500 µg/l [96 hours]

Effect: Mortality

Acute - EC50 - Fresh water

Algae - Green algae - *Pseudokirchneriella subcapitata*

12500 µg/l [72 hours]

Effect: Growth

Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna*

Age: ≤24 hours

1000 µg/l [21 days]

Effect: Reproduction

Acute - EC50 - Fresh water

Daphnia - Water flea - *Daphnia magna* - Neonate

Age: ≤24 hours

5.56 mg/l [48 hours]

Effect: Intoxication

benzene

Chronic - NOEC - Marine water

Fish - Striped bass - *Morone saxatilis* - Juvenile (Fledgling, Hatchling, Weanling)

Size: 18.1 cm; Weight: 3.39 g

1.5 to 5.4 µl/l [4 weeks]

Effect: Growth

Acute - LC50 - Fresh water

Fish - Pink salmon - *Oncorhynchus gorbuscha* - Fry

5.28 µl/l [96 hours]

Effect: Mortality

Acute - EC50 - Fresh water

Algae - Green algae - *Pseudokirchneriella subcapitata*

29000 µg/l [72 hours]

Effect: Growth

Acute - EC50 - Fresh water

Daphnia - Water flea - *Daphnia magna* - Neonate

Age: ≤24 hours

SECTION 12: Ecological information

9.23 mg/l [48 hours]

Effect: Intoxication

Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna*

Age: <24 hours

98 mg/l [21 days]

Effect: Reproduction

Chronic - EC10 - Fresh water

Algae - Green algae - *Desmodesmus subspicatus*

>1360 mg/l [96 hours]

Effect: Population

2,6-di-tert-butyl-p-cresol

Acute - EC50 - Fresh water

Daphnia - Water flea - *Daphnia pulex* - Neonate

Age: <24 hours

1440 µg/l [48 hours]

Effect: Intoxication

Conclusion/Summary [Product] : Not available.

12.2 Persistence and degradability

Product/ingredient name

Result

iso-butanol

74% [28 days] - Readily

Conclusion/Summary [Product] : Not available.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| iso-butanol | - | - | Readily |
| Propylene glycol | - | - | Readily |

12.3 Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|-------------------------------|--------------------|-------------|-----------|
| Xylene | 3.12 | 8.1 to 25.9 | Low |
| Ethylbenzene | 3.6 | - | Low |
| iso-butanol | 1 | - | Low |
| neodecanoic acid, cobalt salt | - | 15600 | High |
| 1-Methoxy 2-propanol | <1 | - | Low |
| Propylene glycol | -1.07 | - | Low |
| cumene | 3.55 | 35.48 | Low |
| Toluene | 2.73 | 90 | Low |
| benzene | 2.13 | 11 | Low |
| 2,6-di-tert-butyl-p-cresol | 5.1 | 330 to 1800 | High |

12.4 Mobility in soil

Soil/water partition coefficient : Not available.

Mobility : Not available.

SECTION 12: Ecological information

12.5 Results of PBT and vPvB assessment

| Product/ingredient name | PBT | P | B | T | vPvB | vP | vB |
|----------------------------------|-----|----|-----|-----|------|----|-----|
| Xylene | No | No | No | Yes | No | No | No |
| Ethylbenzene | No | No | No | Yes | No | No | No |
| iso-butanol | No | No | No | No | No | No | No |
| magnesium carbonate | No | No | No | No | No | No | No |
| neodecanoic acid, zirconium salt | No | No | No | No | No | No | No |
| neodecanoic acid, cobalt salt | No | No | Yes | Yes | No | No | Yes |
| 1-Methoxy 2-propanol | No | No | No | No | No | No | No |
| Propylene glycol | No | No | No | No | No | No | No |
| cumene | No | No | No | No | No | No | No |
| Toluene | No | No | No | Yes | No | No | No |
| benzene | No | No | No | Yes | No | No | No |
| 2,6-di-tert-butyl-p-cresol | No | No | No | No | No | No | No |

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.





European waste catalogue (EWC) : 080111*, 200127*

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA |
|--|--|--|---|--|
| 14.1 UN number | UN1263 | UN1263 | UN1263 | UN1263 |
| 14.2 UN proper shipping name | PAINT | PAINT | PAINT | PAINT |
| 14.3 Transport hazard class(es) | 3  | 3  | 3  | 3  |
| 14.4 Packing group | III | III | III | III |
| | | | | |

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TEKNOLAC PRIMER 0168-00 - All variants

Label No : 09743

SECTION 14: Transport information

| | | | | |
|-------------------------------|-----|-----|-----|-----|
| 14.5 Environmental hazards | No. | No. | No. | No. |
|-------------------------------|-----|-----|-----|-----|

Additional information

- ADR/RID** : **Viscous liquid exception** This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1.
Tunnel code (D/E)
- ADN** : **Viscous liquid exception** This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1.
- IMDG** : **Viscous liquid exception** This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.

14.6 Special precautions for user : **Transport within 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 Transport in bulk according to IMO instruments : Not relevant/applicable due to nature of the product.

SECTION 15: Regulatory information

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

UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

| Product/ingredient name | % | Designation [Usage] |
|-------------------------|------|---------------------|
| TEKNOLAC PRIMER 0168-00 | ≥90 | 3 |
| Toluene | ≤0.1 | 48 |
| benzene | <0.1 | 5 |
| | | 72 |

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

| Category |
|----------|
| P5c |

National regulations

SECTION 15: Regulatory information

| Product/ingredient name | List name | Name on list | Classification | Notes |
|-------------------------------|----------------|-----------------------------|----------------|-------|
| Tridecanoic acid, cobalt salt | EH40/2005 WELs | cobalt and cobalt compounds | Carc | - |
| benzene | EH40/2005 WELs | - | Carc | - |

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms :


- ATE = Acute Toxicity Estimate
- GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = GB CLP-specific Hazard statement
- N/A = Not available
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- SGG = Segregation Group
- vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification


| Classification | Justification |
|---|---|
| Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 | On basis of test data Calculation method Calculation method Calculation method Calculation method |

Full text of abbreviated H statements

SECTION 16: Other information

| | | |
|--|-------|--|
|  | 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. |
| | H318 | Causes serious eye damage. |
| | H319 | Causes serious eye irritation. |
| | H332 | Harmful if inhaled. |
| | H335 | May cause respiratory irritation. |
| | H336 | May cause drowsiness or dizziness. |
| | H340 | May cause genetic defects. |
| | H350 | May cause cancer. |
| | H361d | Suspected of damaging the unborn child. |
| | H372 | Causes damage to organs through prolonged or repeated exposure. |
| | H373 | May cause damage to organs through prolonged or repeated exposure. |
| | H400 | Very toxic to aquatic life. |
| | H410 | Very toxic to aquatic life with long lasting effects. |
| | H411 | Toxic to aquatic life with long lasting effects. |
| | H412 | Harmful to aquatic life with long lasting effects. |

Full text of classifications

| | | |
|--|-------------------|---|
|  | Acute Tox. 4 | ACUTE TOXICITY - Category 4 |
| | Aquatic Acute 1 | SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 |
| | Aquatic Chronic 1 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 |
| | Aquatic Chronic 2 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 |
| | Aquatic Chronic 3 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 |
| | Asp. Tox. 1 | ASPIRATION HAZARD - Category 1 |
| | Carc. 1A | CARCINOGENICITY - Category 1A |
| | Eye Dam. 1 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 |
| | Eye Irrit. 2 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 |
| | Flam. Liq. 2 | FLAMMABLE LIQUIDS - Category 2 |
| | Flam. Liq. 3 | FLAMMABLE LIQUIDS - Category 3 |
| | Muta. 1B | GERM CELL MUTAGENICITY - Category 1B |
| | Repr. 2 | REPRODUCTIVE TOXICITY - Category 2 |
| | Skin Irrit. 2 | SKIN CORROSION/IRRITATION - Category 2 |
| | Skin Sens. 1 | SKIN SENSITISATION - Category 1 |
| | STOT RE 1 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1 |
| | STOT RE 2 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 |
| | STOT SE 3 | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3 |

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Version : 4

TEKNOLAC PRIMER 0168-00

All variants

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

