

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture
Trade name : ACID #8 1K ETCH PRIMER GREY
Product code : ACID/1

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Coating

1.4. Details of manufacturer or importer

Supplier

U-POL Australia Pty Limited Ltd
55 Leland Street
Penrith NSW 2750
Australia
T 02 4731 2655 - F 02 4731 2611
info@u-pol.com.au - www.u-pol.com

Supplier

U-POL New Zealand Limited Ltd
c/o Lindsay & Associates Unit H, 12 Amara Place, East Tamaki
Manukau City Auckland 2013
New Zealand
T + 612 4731 2655 / 027 630 3691 - F + 612 4731 2611
info@u-pol.co.nz - www.u-pol.com

1.5. Emergency phone number

Emergency number : Australia (CHEMTREC): + (61) - 290372994 ; New Zealand (National Poisons Centre): 0800 764 766

SECTION 2: Hazard identification

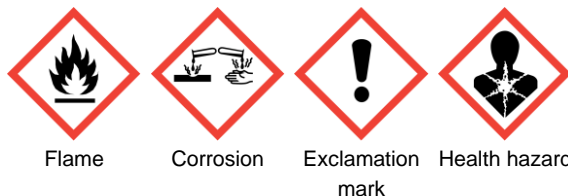
2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

| | |
|--|------|
| Flammable liquids, Category 3 | H226 |
| Acute toxicity (oral), Category 4 | H302 |
| Skin corrosion/irritation, Category 2 | H315 |
| Serious eye damage/eye irritation, Category 1 | H318 |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis | H336 |
| Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation | H335 |
| Specific target organ toxicity – Repeated exposure, Category 2 | H373 |

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Signal word (GHS AU) : Danger
Contains : 1-butanol (10 – 30 %); Xylene (10 – 30 %); 1-methoxy-2-propanol (< 30 %); 2-methylpropan-1-ol; iso-butanol (< 10 %)
Hazard statements (GHS AU) : H226 - Flammable liquid and vapour
H302 - Harmful if swallowed
H315 - Causes skin irritation
H318 - Causes serious eye damage
H335 - May cause respiratory irritation

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Precautionary statements (GHS AU)

H336 - May cause drowsiness or dizziness
H373 - May cause damage to organs through prolonged or repeated exposure
: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P260 - Do not breathe vapours, spray, fume.
P280 - Wear eye protection, protective clothing, protective gloves.
P301+P312 - IF SWALLOWED: Call a doctor if you feel unwell.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water .
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a doctor if you feel unwell.
P332+P313 - If skin irritation occurs: Get medical attention.
P405 - Store locked up.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Unknown acute toxicity (GHS AU) : 5.2% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
10.08% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
25.09% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

| Name | CAS-No. | % | Classification according to the model Work Health and Safety Regulations (WHS Regulations) |
|---|-----------|---------------|---|
| 1-butanol | 71-36-3 | 10 – 30 | Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 5 (Dermal), H313 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336 STOT SE 3, H335 |
| Xylene | 1330-20-7 | 10 – 30 | Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 |
| 1-methoxy-2-propanol | 107-98-2 | < 30 | Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 STOT SE 3, H336 |
| 2-methylpropan-1-ol; iso-butanol | 78-83-1 | < 10 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336 STOT SE 3, H335 |
| Other substances (not contributing to the classification of this product) | - | 63.04 – 69.33 | - |

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SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Call a poison center or a doctor if you feel unwell. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell. |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion | : Rinse mouth. Call a poison center or a doctor if you feel unwell. |

4.2. Symptoms caused by exposure

| | |
|-------------------------------------|--------------------------------------|
| Symptoms/effects | : May cause drowsiness or dizziness. |
| Symptoms/effects after inhalation | : May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Irritation. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |

4.3. Medical attention and special treatment

| | |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

5.2. Specific hazards arising from the chemical

| | |
|--|--------------------------------|
| Fire hazard | : Flammable liquid and vapour. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

5.3. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
| Hazchem Code | : * 3Y |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Protective equipment | : Safety glasses. Protective clothing. Gloves. |
| Emergency procedures | : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe vapours, fume, spray. Avoid contact with skin and eyes. |

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

| | |
|-------------------------|---|
| For containment | : Contain released product, collect/pump into suitable containers. Collect spillage. |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. |

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe vapours, spray, fume. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
- Storage temperature : < 25 °C
- Storage area : Store in a well-ventilated place.
- Special rules on packaging : Keep only in original container.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

| Xylene (1330-20-7) | |
|---|--|
| New Zealand - Occupational Exposure Limits | |
| Local name | Xylene (Dimethylbenzene) |
| WES-TWA (OEL TWA) [1] | 217 mg/m ³ |
| WES-TWA (OEL TWA) [2] | 50 ppm |
| Regulatory reference | Workplace Exposure Standards and Biological Exposure Indices, 12th Edition |
| New Zealand - Biological Exposure Indices | |
| Local name | Xylene |
| BEI | 1.5 g/l Parameter: Methylhippuric acid - Medium: Urine - Sampling time: End of shift |
| Regulatory reference | Workplace Exposure Standards and Biological Exposure Indices, 12th Edition |
| 1-butanol (71-36-3) | |
| Australia - Occupational Exposure Limits | |
| Local name | n-Butyl alcohol (n-Butanol) |
| OES C | 152 mg/m ³ |
| OES C [ppm] | 50 ppm |
| Remark (AU) | Sk - Absorption through the skin may be a significant source of exposure. |
| Regulatory reference | Workplace exposure standards for airborne contaminants (2019) |
| New Zealand - Occupational Exposure Limits | |
| Local name | n-Butyl alcohol |
| WES-C (OEL C) | 150 mg/m ³ |
| WES-C (OEL C) [ppm] | 50 ppm |
| Remark (NZ) | skin (Skin absorption) |
| Regulatory reference | Workplace Exposure Standards and Biological Exposure Indices, 12th Edition |

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| 1-methoxy-2-propanol (107-98-2) | |
|---|--|
| Australia - Occupational Exposure Limits | |
| Local name | Propylene glycol monomethyl ether (1-Methoxypropan-2-ol) |
| OES TWA [1] | 369 mg/m ³ |
| OES TWA [2] | 100 ppm |
| OES STEL | 553 mg/m ³ |
| OES STEL [ppm] | 150 ppm |
| Regulatory reference | Workplace exposure standards for airborne contaminants (2019) |
| New Zealand - Occupational Exposure Limits | |
| Local name | Propylene glycol monomethyl ether |
| WES-TWA (OEL TWA) [1] | 369 mg/m ³ |
| WES-TWA (OEL TWA) [2] | 100 ppm |
| WES-STEEL (OEL STEL) | 553 mg/m ³ |
| WES-STEEL (OEL STEL) [ppm] | 150 ppm |
| Regulatory reference | Workplace Exposure Standards and Biological Exposure Indices, 12th Edition |
| 2-methylpropan-1-ol; iso-butanol (78-83-1) | |
| Australia - Occupational Exposure Limits | |
| Local name | Isobutyl alcohol (2-Methylpropan-1-ol; iso-Butanol) |
| OES TWA [1] | 152 mg/m ³ |
| OES TWA [2] | 50 ppm |
| Regulatory reference | Workplace exposure standards for airborne contaminants (2019) |
| New Zealand - Occupational Exposure Limits | |
| Local name | Isobutyl alcohol |
| WES-TWA (OEL TWA) [1] | 152 mg/m ³ |
| WES-TWA (OEL TWA) [2] | 50 ppm |
| Regulatory reference | Workplace Exposure Standards and Biological Exposure Indices, 12th Edition |

8.2. Biological Monitoring

No additional information available

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment : Gloves. Protective clothing. Safety glasses.
Materials for protective clothing : Impermeable clothing
Hand protection : Protective gloves
Eye protection : Safety glasses
Skin and body protection : Wear suitable protective clothing
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.

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SECTION 9: Physical and chemical properties

| | |
|---|---|
| Physical state | : Liquid |
| Appearance | : Liquid. |
| Colour | : Light grey |
| Odour | : characteristic |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point / Freezing point | : No data available |
| Boiling point | : > 35 °C |
| Flash point | : 23 °C |
| Auto-ignition temperature | : No data available |
| Flammability | : No data available |
| Vapour pressure | : No data available |
| Relative density | : No data available |
| Density | : Density: 1.03 (1.01 – 1.05) g/cm ³ |
| Solubility | : insoluble in water. soluble in most organic solvents. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : 92.5 (86 – 99) mm ² /s |
| Explosive properties | : No data available |
| Explosive limits | : No data available |
| Minimum ignition energy | : No data available |
| VOC content | : 714 g/l |
| VOC content - Regulatory | : No data available |
| Percent Solids | : 31.19 wt% |

SECTION 10: Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | : Flammable liquid and vapour. |
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use. |
| Conditions to avoid | : Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. |
| Incompatible materials | : No additional information available |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

SECTION 11: Toxicological information

| | |
|-----------------------------|-------------------------|
| Acute toxicity (oral) | : Harmful if swallowed. |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| | |
|-----------------------------|--|
| ATE AU (oral) | 1629.857 mg/kg bodyweight |
| Xylene (1330-20-7) | |
| LD50 oral rat | > 4000 mg/kg bodyweight (Equivalent or similar to EU Method B.1, Rat, Female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | 12126 mg/kg (Non-GLP, read-across from supporting substance, single dermal dose under occlusion followed by observation for 14 days) |
| LD50 dermal rabbit | 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male |
| LC50 Inhalation - Rat | 29.09 mg/l (Equivalent or similar to EU Method B.2, 4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) |
| LC50 Inhalation - Rat [ppm] | 6700 ppm/4h (EU Method B.2 (Acute Toxicity (Inhalation)), 4h, rat, male) |
| ATE AU (dermal) | 1100 mg/kg bodyweight |
| ATE AU (gases) | 6700 ppmv/4h |

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| Xylene (1330-20-7) | |
|---|--|
| ATE AU (vapours) | 11 mg/l/4h |
| ATE AU (dust,mist) | 1.5 mg/l/4h |
| 1-butanol (71-36-3) | |
| LD50 oral rat | ≈ 2292 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rabbit | ≈ 3430 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat | > 17.76 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) |
| ATE AU (oral) | 500 mg/kg bodyweight |
| ATE AU (dermal) | 2500 mg/kg bodyweight |
| 1-methoxy-2-propanol (107-98-2) | |
| LD50 oral rat | 4016 mg/kg bodyweight (EU Method B.1 tris: Acute oral toxic – Acute toxic class method, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | 13 g/kg |
| ATE AU (oral) | 4016 mg/kg bodyweight |
| ATE AU (dermal) | 13000 mg/kg bodyweight |
| 2-methylpropan-1-ol; iso-butanol (78-83-1) | |
| LD50 oral rat | > 2830 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | > 18.18 mg/l air (6 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) |
| LC50 Inhalation - Rat (Vapours) | 24.6 mg/l/4h (Other, 4 h, Rat, Male/female, Experimental value, Inhalation (vapours)) |
| ATE AU (vapours) | 24.6 mg/l/4h |
| Unknown acute toxicity (GHS AU) | : 5.2% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 10.08% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 25.09% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours)) |
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye damage. |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : May cause drowsiness or dizziness. May cause respiratory irritation. |
| Xylene (1330-20-7) | |
| STOT-single exposure | May cause respiratory irritation. |
| 1-butanol (71-36-3) | |
| STOT-single exposure | May cause drowsiness or dizziness. May cause respiratory irritation. |
| 1-methoxy-2-propanol (107-98-2) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| 2-methylpropan-1-ol; iso-butanol (78-83-1) | |
| STOT-single exposure | May cause drowsiness or dizziness. May cause respiratory irritation. |

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

| Xylene (1330-20-7) | |
|----------------------------|---|
| LOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |

| 1-butanol (71-36-3) | |
|----------------------------|----------------------------------|
| LOAEL (oral, rat, 90 days) | 500 mg/kg bodyweight Animal: rat |
| NOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight Animal: rat |

| 1-methoxy-2-propanol (107-98-2) | |
|-------------------------------------|--|
| LOAEL (oral, rat, 90 days) | 2757 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents) |
| NOAEL (oral, rat, 90 days) | 919 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents) |
| NOAEL (dermal, rat/rabbit, 90 days) | > 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study) |

| 2-methylpropan-1-ol; iso-butanol (78-83-1) | |
|--|--|
| NOAEL (oral, rat, 90 days) | > 1450 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |

Aspiration hazard : Not classified.

| ACID #8 1K ETCH PRIMER GREY | |
|-----------------------------|-----------------------------------|
| Viscosity, kinematic | 92.5 (86 – 99) mm ² /s |

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| Xylene (1330-20-7) | |
|--|--|
| LC50 - Fish [1] | 2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | > 3.4 mg/l Test organisms (species): Ceriodaphnia dubia |
| ErC50 algae | 4.36 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |
| NOEC chronic fish | > 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d' |
| BCF - Fish [1] | 7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across) |
| Partition coefficient n-octanol/water (Log Pow) | 3.2 (Read-across, 20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) |

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| 1-butanol (71-36-3) | |
|--|---|
| LC50 - Fish [1] | 1376 mg/l Test organisms (species): Pimephales promelas |
| EC50 - Crustacea [1] | 1328 mg/l Test organisms (species): Daphnia magna |
| ErC50 algae | 225 mg/l (OECD 201: Alga, Growth Inhibition Test, 96 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |
| NOEC (chronic) | 4.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic crustacea | 4.1 mg/l |
| Partition coefficient n-octanol/water (Log Pow) | 1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.54 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| 1-methoxy-2-propanol (107-98-2) | |
| LC50 - Fish [1] | ≥ 1000 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Lethal) |
| EC50 - Other aquatic organisms [1] | 2954 mg/l Test organisms (species): other aquatic crustacea:Acartia tonsa |
| ErC50 algae | > 1000 mg/l (7 day(s), Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration) |
| Partition coefficient n-octanol/water (Log Pow) | < 1 (Experimental value, Equivalent or similar to OECD 117, 20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.152 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| 2-methylpropan-1-ol; iso-butanol (78-83-1) | |
| LC50 - Fish [1] | 1430 mg/l Test organisms (species): Pimephales promelas |
| EC50 - Crustacea [1] | 1100 mg/l Test organisms (species): Daphnia pulex |
| NOEC (chronic) | 20 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| Partition coefficient n-octanol/water (Log Pow) | 1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.47 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| 12.2. Persistence and degradability | |
| Xylene (1330-20-7) | |
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
| 1-butanol (71-36-3) | |
| Persistence and degradability | Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1.1 – 1.92 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 2.46 g O ₂ /g substance |
| ThOD | 2.59 g O ₂ /g substance |
| 1-methoxy-2-propanol (107-98-2) | |
| Persistence and degradability | Readily biodegradable in the soil. Readily biodegradable in water. |
| ThOD | 1.95 g O ₂ /g substance |
| 2-methylpropan-1-ol; iso-butanol (78-83-1) | |
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |

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12.3. Bioaccumulative potential

Xylene (1330-20-7)

| | |
|--|--|
| BCF - Fish [1] | 7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across) |
| Partition coefficient n-octanol/water (Log Pow) | 3.2 (Read-across, 20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

1-butanol (71-36-3)

| | |
|--|---|
| Partition coefficient n-octanol/water (Log Pow) | 1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.54 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

1-methoxy-2-propanol (107-98-2)

| | |
|--|--|
| Partition coefficient n-octanol/water (Log Pow) | < 1 (Experimental value, Equivalent or similar to OECD 117, 20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.152 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

2-methylpropan-1-ol; iso-butanol (78-83-1)

| | |
|--|---|
| Partition coefficient n-octanol/water (Log Pow) | 1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.47 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

12.4. Mobility in soil

Xylene (1330-20-7)

| | |
|--|---|
| Surface tension | 28.01 – 29.76 mN/m (25 °C) |
| Partition coefficient n-octanol/water (Log Pow) | 3.2 (Read-across, 20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | See section 12.1 on ecotoxicology 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) |
| Ecology - soil | Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. |

1-butanol (71-36-3)

| | |
|--|---|
| Surface tension | 69.9 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions) |
| Partition coefficient n-octanol/water (Log Pow) | 1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | See section 12.1 on ecotoxicology 0.54 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Highly mobile in soil. May be harmful to plant growth, blooming and fruit formation. |

1-methoxy-2-propanol (107-98-2)

| | |
|---|--|
| Surface tension | 70.7 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions) |
| Partition coefficient n-octanol/water (Log Pow) | < 1 (Experimental value, Equivalent or similar to OECD 117, 20 °C) |

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| 1-methoxy-2-propanol (107-98-2) | |
|--|---|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | See section 12.1 on ecotoxicology 0.152 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Highly mobile in soil. |
| 2-methylpropan-1-ol; iso-butanol (78-83-1) | |
| Surface tension | 69.7 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions) |
| Partition coefficient n-octanol/water (Log Pow) | 1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | See section 12.1 on ecotoxicology 0.47 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Highly mobile in soil. |

12.5. Other adverse effects

| | |
|-----------------------|---------------------------------------|
| Ozone | : Not classified |
| Other adverse effects | : No additional information available |

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|--|-------|
| Fluorinated greenhouse gases | False |
| Xylene (1330-20-7) | |
| Fluorinated greenhouse gases | False |
| 1-butanol (71-36-3) | |
| Fluorinated greenhouse gases | False |
| 1-methoxy-2-propanol (107-98-2) | |
| Fluorinated greenhouse gases | False |
| 2-methylpropan-1-ol; iso-butanol (78-83-1) | |
| Fluorinated greenhouse gases | False |

SECTION 13: Disposal considerations

| | |
|------------------------------|---|
| Regional legislation (waste) | : Disposal must be done according to official regulations. |
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Additional information | : Flammable vapours may accumulate in the container. |

SECTION 14: Transport information

14.1. UN number

| | |
|---------------|--------|
| UN-No. (ADG) | : 1263 |
| UN-No. (IMDG) | : 1263 |
| UN-No. (IATA) | : 1263 |

14.2. UN Proper Shipping Name

| | |
|-----------------------------|---------|
| Proper Shipping Name (ADG) | : PAINT |
| Proper Shipping Name (IMDG) | : PAINT |
| Proper Shipping Name (IATA) | : Paint |

14.3. Transport hazard class(es)

ADG

| | |
|----------------------------------|-----|
| Transport hazard class(es) (ADG) | : 3 |
| Danger labels (ADG) | : 3 |

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IMDG

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3



IATA

Transport hazard class(es) (IATA) : 3
Danger labels (IATA) : 3



14.4. Packing group

Packing group (ADG) : III - Substances presenting low danger
Packing group (IMDG) : III
Packing group (IATA) : III

14.5. Environmental hazards

Marine pollutant : No
Dangerous for the environment : No
Other information : No supplementary information available

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

UN-No. (ADG) : 1263
Special provision (ADG) : 163, 223, 367
Limited quantities (ADG) : 5l
Packing instructions (ADG) : P001, IBC03, LP01
Special packing provisions (ADG) : PP1
Portable tank and bulk container instructions (ADG) : T2
Portable tank and bulk container special provisions (ADG) : TP1, TP29

Transport by sea

UN-No. (IMDG) : 1263
Special provisions (IMDG) : 163, 223, 367, 955
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T2
Tank special provisions (IMDG) : TP1, TP29
EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS

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EmS-No. (Spillage) : S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG) : A
Properties and observations (IMDG) : Miscibility with water depends upon the composition.

Air transport

UN-No. (IATA) : 1263
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y344
PCA limited quantity max net quantity (IATA) : 10L
PCA packing instructions (IATA) : 355
PCA max net quantity (IATA) : 60L
CAO packing instructions (IATA) : 366
CAO max net quantity (IATA) : 220L
Special provisions (IATA) : A3, A72, A192
ERG code (IATA) : 3L

14.8. Hazchem or Emergency Action Code

Hazchem Code : * 3Y

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002662
Group standard : Surface coatings and colourants

Xylene (1330-20-7)

Hazardous Substances and New Organisms Act

| | |
|----------------------|-----------|
| HSNO Approval Number | HSR000983 |
|----------------------|-----------|

ethylbenzene (100-41-4)

Hazardous Substances and New Organisms Act

| | |
|----------------------|-----------|
| HSNO Approval Number | HSR001151 |
|----------------------|-----------|

1-butanol (71-36-3)

Hazardous Substances and New Organisms Act

| | |
|----------------------|-----------|
| HSNO Approval Number | HSR001096 |
|----------------------|-----------|

2-methylpropan-1-ol; iso-butanol (78-83-1)

Hazardous Substances and New Organisms Act

| | |
|----------------------|-----------|
| HSNO Approval Number | HSR001097 |
|----------------------|-----------|

trizinc bis(orthophosphate) (7779-90-0)

Hazardous Substances and New Organisms Act

| | |
|----------------------|-----------|
| HSNO Approval Number | HSR003554 |
|----------------------|-----------|

15.2. International agreements

No additional information available

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SECTION 16: Other information

Revision date : 17/08/2022

| Classification | |
|---------------------|------|
| Flam. Liq. 3 | H226 |
| Acute Tox. 4 (Oral) | H302 |
| Skin Irrit. 2 | H315 |
| Eye Dam. 1 | H318 |
| STOT SE 3 | H336 |
| STOT SE 3 | H335 |
| STOT RE 2 | H373 |

| Full text of H-statements | |
|---------------------------|--|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Acute Tox. 5 (Dermal) | Acute toxicity (dermal), Category 5 |
| Acute Tox. 5 (Oral) | Acute toxicity (oral), Category 5 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation, Category 2A |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT RE 2 | Specific target organ toxicity – Repeated exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |
| H226 | Flammable liquid and vapour |
| H302 | Harmful if swallowed |
| H303 | May be harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H312 | Harmful in contact with skin |
| H313 | May be harmful in contact with skin |
| H315 | Causes skin irritation |
| 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 |
| H373 | May cause damage to organs through prolonged or repeated exposure |

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