

**BYK-141**Version 1.1  
SDS\_NZ

Revision Date: 14.04.2026

Date of last issue: 23.01.2025  
Print Date 15.04.2026**Section 1: Identification**

Product name : BYK-141  
Product code : 000000000000101053

**Manufacturer or supplier's details**

Company : BYK-Chemie GmbH  
Address : Abelstrasse 45  
46483 Wesel  
Telephone : +49 281 670-23532  
Telefax : +49 281 670-23533  
E-mail address : GHS.BYK@altana.com  
Emergency telephone number : 0800 446 881 (toll-free number, access from New Zealand only)  
+64 9 929 1483

**Importer**

Company : Alchemy Agencies Ltd  
Level 2, 20 Centre St  
Freemans Bay  
Auckland 1010 NZ  
Tel: +64(0)93770613

Use of the Substance/Mixture : Defoamer

**Section 2: Hazard identification****GHS Classification**

Flammable liquids : Category 3  
Carcinogenicity : Category 2  
Reproductive toxicity : Category 2  
Specific target organ toxicity - single exposure : Category 3 (Respiratory system, Central nervous system)  
Aspiration hazard : Category 1  
Hazardous to the aquatic environment - chronic hazard : Category 2

**GHS label elements**

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|--------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictograms        | : |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Signal word              | : | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Hazard statements        | : | H226 Flammable liquid and vapour.<br>H304 May be fatal if swallowed and enters airways.<br>H335 May cause respiratory irritation.<br>H336 May cause drowsiness or dizziness.<br>H351 Suspected of causing cancer.<br>H361 Suspected of damaging fertility or the unborn child.<br>H411 Toxic to aquatic life with long lasting effects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Precautionary statements | : | <b>Prevention:</b><br>P201 Obtain special instructions before use.<br>P202 Do not handle until all safety precautions have been read and understood.<br>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P233 Keep container tightly closed.<br>P240 Ground and bond container and receiving equipment.<br>P241 Use explosion-proof electrical/ ventilating/ lighting equipment.<br>P242 Use non-sparking tools.<br>P243 Take action to prevent static discharges.<br>P261 Avoid breathing mist or vapours.<br>P271 Use only outdoors or in a well-ventilated area.<br>P273 Avoid release to the environment.<br>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.<br><b>Response:</b><br>P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.<br>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.<br>P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.<br>P308 + P313 IF exposed or concerned: Get medical advice/ attention.<br>P331 Do NOT induce vomiting.<br>P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.<br>P391 Collect spillage.<br><b>Storage:</b><br>P403 + P233 Store in a well-ventilated place. Keep container tightly closed.<br>P403 + P235 Store in a well-ventilated place. Keep cool.<br>P405 Store locked up.<br><b>Disposal:</b><br>P501 Dispose of contents/ container to an approved waste disposal plant. |

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#### Other hazards which do not result in classification

None known.

### Section 3: Composition/information on ingredients

Substance / Mixture : Mixture  
Chemical nature : Solution of foam destroying polymers and polysiloxanes

#### Components

| Chemical name                                                                    | CAS-No.    | Concentration (% w/w) |
|----------------------------------------------------------------------------------|------------|-----------------------|
| Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified | 64742-95-6 | >= 50 -<= 100         |
| iso-butanol                                                                      | 78-83-1    | >= 12.5 -< 20         |
| Xylene, mixture of isomers                                                       | 1330-20-7  | >= 0.5 -< 1           |
| ethylbenzene                                                                     | 100-41-4   | >= 0.25 -< 0.5        |

### Section 4: First-aid measures

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.

If inhaled : Consult a physician after significant exposure.  
If unconscious, place in recovery position and seek medical advice.

In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.

In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : No information available.  
May be fatal if swallowed and enters airways.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.

Notes to physician : No information available.

### Section 5: Fire-fighting measures

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

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|                                               |   |                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specific hazards during firefighting          | : | Do not allow run-off from fire fighting to enter drains or water courses.                                                                                                                                                                                                                                                                                                     |
| Hazardous combustion products                 | : | Carbon oxides                                                                                                                                                                                                                                                                                                                                                                 |
| Specific extinguishing methods                | : | Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.<br>For safety reasons in case of fire, cans should be stored separately in closed containments.<br>Use a water spray to cool fully closed containers. |
| Special protective equipment for firefighters | : | Wear self-contained breathing apparatus for firefighting if necessary.                                                                                                                                                                                                                                                                                                        |
| Hazchem Code                                  | : | 3Y                                                                                                                                                                                                                                                                                                                                                                            |

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**Section 6: Accidental release measures**

|                                                                     |   |                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | : | Use personal protective equipment.<br>Ensure adequate ventilation.<br>Remove all sources of ignition.<br>Evacuate personnel to safe areas.<br>Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. |
| Environmental precautions                                           | : | Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities.                                                             |
| Methods and materials for containment and cleaning up               | : | Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).                     |

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**Section 7: Handling and storage**

|                                                 |   |                                                                                                                                                                                                                                                  |
|-------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on protection against fire and explosion | : | Do not spray on a naked flame or any incandescent material.<br>Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).<br>Keep away from open flames, hot surfaces and sources of ignition. |
| Advice on safe handling                         | : | Avoid formation of aerosol.<br>Do not breathe vapours/dust.<br>Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.                         |

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|                                          |   |                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                          |   | Take precautionary measures against static discharges.<br>Provide sufficient air exchange and/or exhaust in work rooms.<br>Open drum carefully as content may be under pressure.<br>Dispose of rinse water in accordance with local and national regulations.                                                      |
| Hygiene measures                         | : | When using do not eat or drink.<br>When using do not smoke.<br>Wash hands before breaks and at the end of workday.                                                                                                                                                                                                 |
| Conditions for safe storage              | : | No smoking.<br>Keep container tightly closed in a dry and well-ventilated place.<br>Containers which are opened must be carefully resealed and kept upright to prevent leakage.<br>Observe label precautions.<br>Electrical installations / working materials must comply with the technological safety standards. |
| Further information on storage stability | : | No decomposition if stored and applied as directed.                                                                                                                                                                                                                                                                |

**Section 8: Exposure controls/personal protection****Components with workplace control parameters**

| Components                 | CAS-No.                                                                                | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis  |
|----------------------------|----------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------|--------|
| iso-butanol                | 78-83-1                                                                                | WES-TWA                       | 50 ppm<br>152 mg/m <sup>3</sup>                | NZ OEL |
| iso-butanol                |                                                                                        | TWA                           | 50 ppm                                         | ACGIH  |
| Xylene, mixture of isomers | 1330-20-7                                                                              | WES-TWA                       | 50 ppm<br>217 mg/m <sup>3</sup>                | NZ OEL |
|                            | Further information: Ototoxin, Exposure can also be estimated by biological monitoring |                               |                                                |        |
| Xylene, mixture of isomers |                                                                                        | TWA                           | 20 ppm                                         | ACGIH  |
| ethylbenzene               | 100-41-4                                                                               | WES-TWA                       | 20 ppm<br>88 mg/m <sup>3</sup>                 | NZ OEL |
|                            | Further information: Ototoxin, Skin absorption                                         |                               |                                                |        |
|                            |                                                                                        | WES-STEL                      | 40 ppm<br>176 mg/m <sup>3</sup>                | NZ OEL |
|                            | Further information: Ototoxin, Skin absorption                                         |                               |                                                |        |
| ethylbenzene               |                                                                                        | TWA                           | 20 ppm                                         | ACGIH  |

**Biological occupational exposure limits**

| Components                 | CAS-No.   | Control parameters   | Biological specimen | Sampling time                                            | Permissible concentration | Basis     |
|----------------------------|-----------|----------------------|---------------------|----------------------------------------------------------|---------------------------|-----------|
| Xylene, mixture of isomers | 1330-20-7 | Methylhippuric acid  | Urine               | End of shift                                             | 1.5 g/l                   | NZ BEI    |
|                            |           | Methylhippuric acids | Urine               | End of shift (As soon as possible after exposure ceases) | 0.3 g/g creatinine        | ACGIH BEI |

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|              |          |                                                |       |                                                          |                     |           |
|--------------|----------|------------------------------------------------|-------|----------------------------------------------------------|---------------------|-----------|
| ethylbenzene | 100-41-4 | Sum of mandelic acid and phenylglyoxylic acids | Urine | End of exposure or end of shift                          | 0.25 g/g creatinine | NZ BEI    |
|              |          | Sum of mandelic acid and phenylglyoxylic acid  | Urine | End of shift (As soon as possible after exposure ceases) | 150 mg/g creatinine | ACGIH BEI |

**Personal protective equipment**

- Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
- Hand protection  
 Material : Nitrile rubber  
 Break through time : > 480 min  
 Glove length : 0.4 mm
- Remarks : Wear suitable gloves.
- Eye protection : Eye wash bottle with pure water  
 Tightly fitting safety goggles
- Skin and body protection : Impervious clothing  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Section 9: Physical and chemical properties**

- Appearance : liquid
- Colour : colourless
- Odour : aromatic
- Odour Threshold : No data available
- pH : 7 (20 °C)  
 Concentration: 1 %  
 Method: Universal pH-value indicator
- Melting point/ range : < 0 °C  
 Method: derived
- Initial boiling point : 106.00 °C  
 Method: derived
- Flash point : 28.00 °C  
 Method: 48 (Abel-Pensky) DIN 51755
- Evaporation rate : No data available
- Flammability (liquids) : Sustains combustion

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|                                                  |   |                                                                            |
|--------------------------------------------------|---|----------------------------------------------------------------------------|
| Upper explosion limit / Upper flammability limit | : | 10.70 %(V)                                                                 |
| Lower explosion limit / Lower flammability limit | : | 1.00 %(V)                                                                  |
| Vapour pressure                                  | : | 6 hPa (20.00 °C)<br>Method: derived                                        |
| Relative vapour density                          | : | No data available                                                          |
| Relative density                                 | : | No data available                                                          |
| Density                                          | : | 0.8660 g/cm <sup>3</sup> (20.00 °C)<br>Method: 4 (20°C oscillating U-tube) |
| Solubility(ies)                                  |   |                                                                            |
| Water solubility                                 | : | immiscible                                                                 |
| Solubility in other solvents                     | : | No data available                                                          |
| Partition coefficient: n-octanol/water           | : | No data available                                                          |
| Auto-ignition temperature                        | : | > 200 °C<br>Method: DIN 51794                                              |
| Decomposition temperature                        | : | No data available                                                          |
| Viscosity                                        |   |                                                                            |
| Viscosity, dynamic                               | : | No data available                                                          |
| Viscosity, kinematic                             | : | 4 mm <sup>2</sup> /s ( 40.00 °C)                                           |
| Surface tension                                  | : | 24.00 mN/m, ring dynamometer                                               |

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**Section 10: Stability and reactivity**

|                                    |   |                                                                                                     |
|------------------------------------|---|-----------------------------------------------------------------------------------------------------|
| Reactivity                         | : | No decomposition if stored and applied as directed.                                                 |
| Chemical stability                 | : | No decomposition if stored and applied as directed.                                                 |
| Possibility of hazardous reactions | : | No decomposition if stored and applied as directed.<br>Vapours may form explosive mixture with air. |
| Conditions to avoid                | : | Heat, flames and sparks.                                                                            |
| Incompatible materials             | : | Acids<br>Strong oxidizing agents                                                                    |
| Hazardous decomposition products   | : | No decomposition if stored and applied as directed.                                                 |

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**Section 11: Toxicological information****Acute toxicity**

Not classified due to lack of data.

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Method: OECD Test Guideline 401**Components:****Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit, male and female): > 3,160 mg/kg  
Method: OECD Test Guideline 402**iso-butanol:**Acute oral toxicity : LD50 (Rat, male): > 2,830 mg/kg  
Method: OECD Test Guideline 401  
GLP: yesAcute dermal toxicity : LD50 (Rabbit, male): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes**Xylene, mixture of isomers:**Acute oral toxicity : LD50 (Rat): 4,300 mg/kg  
Method: EC Directive 92/69/EEC B.1 Acute Toxicity (Oral)  
GLP: noAcute dermal toxicity : LD50 (Rabbit): > 4,200 mg/kg  
GLP: No information available.**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Product:**Species : Rabbit  
Assessment : No skin irritation  
Method : OECD Test Guideline 404  
Result : No skin irritation**Components:****Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : yes**iso-butanol:**Species : Rabbit  
Result : Skin irritation

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Based on available data, the classification criteria are not met.

**Product:**

Species : Rabbit  
Result : No eye irritation  
Assessment : No eye irritation  
Method : OECD Test Guideline 405

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.

**Components:****Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405  
GLP : yes

**iso-butanol:**

Species : Rabbit  
Result : Eye irritation  
Method : OECD Test Guideline 405  
GLP : yes

**Respiratory or skin sensitisation****Skin sensitisation**

Not classified due to lack of data.

**Respiratory sensitisation**

Not classified due to lack of data.

**Product:**

Remarks : No data available

**Components:****Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Test Type : Maximisation Test  
Exposure routes : Dermal  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Does not cause skin sensitisation.

**iso-butanol:**

Test Type : Maximisation Test  
Exposure routes : Dermal  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Does not cause skin sensitisation.

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Not classified due to lack of data.

**Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Result: No data available

**Components:****Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**Germ cell mutagenicity - : Classified based on benzene content < 0.1% (Regulation (EC)  
Assessment 1272/2008, Annex VI, Part 3, Note P)**Carcinogenicity**

Suspected of causing cancer.

**Product:**

Remarks : No data available

**Components:****Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**Carcinogenicity - : Classified based on benzene content < 0.1% (Regulation (EC)  
Assessment 1272/2008, Annex VI, Part 3, Note P)**Reproductive toxicity**

Suspected of damaging fertility or the unborn child.

**Product:**

Effects on fertility : Remarks: No data available

Effects on foetal : Remarks: No data available  
development**STOT - single exposure**

May cause respiratory irritation.

May cause drowsiness or dizziness.

**Product:**

Remarks : No data available

**STOT - repeated exposure**

Not classified due to lack of data.

**Product:**

Remarks : No data available

**Repeated dose toxicity****Product:**

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Remarks : No data available

**Aspiration toxicity**

May be fatal if swallowed and enters airways.

**Product:**

No data available

**Components:****Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

**iso-butanol:**

No aspiration toxicity classification

**Further information****Product:**

Remarks : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.  
Concentrations substantially above the TLV value may cause narcotic effects.  
Solvents may degrease the skin.

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**Section 12: Ecological information****Ecotoxicity****Product:**

Toxicity to fish : Remarks: No data available

**Components:****Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Toxicity to fish : LL50 (Fish): 9.2 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3.2 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata): 2.6 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
GLP: yes

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- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 1,430 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia pulex (Water flea)): 1,100 mg/l  
Exposure time: 48 h  
Test Type: static test
- Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 1,799 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 20 mg/l  
End point: Reproduction  
Exposure time: 21 d  
Test Type: semi-static test

**Xylene, mixture of isomers:**

- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1 mg/l  
Exposure time: 24 h  
Test Type: Immobilization  
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (Selenastrum capricornutum (green algae)): 2.2 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201  
GLP: yes
- NOEC (Pseudokirchneriella subcapitata (green algae)): 0.44 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201
- Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): > 1.3 mg/l  
Exposure time: 56 d
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia sp. (water flea)): 1.17 mg/l  
Exposure time: 7 d
- NOEC (Daphnia sp. (water flea)): 0.96 mg/l  
Exposure time: 7 d

**Persistence and degradability****Product:**

- Biodegradability : Remarks: No data available

**Components:****Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

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Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301F

**iso-butanol:**

Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301D

**Xylene, mixture of isomers:**

Biodegradability : aerobic  
Result: Readily biodegradable.  
Method: OECD Test Guideline 301F  
GLP: yes

**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: No data available

**Components:****iso-butanol:**

Partition coefficient: n-  
octanol/water : log Pow: 1  
Method: OECD Test Guideline 117  
GLP: yes

**Xylene, mixture of isomers:**

Bioaccumulation : Species: Oncorhynchus mykiss (rainbow trout)  
Bioconcentration factor (BCF): 25.9  
Exposure time: 56 d  
GLP: no

Partition coefficient: n-  
octanol/water : Pow: 3.2 (20 °C)  
pH: 7

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Additional ecological  
information : An environmental hazard cannot be excluded in the event of  
unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

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**Section 13: Disposal considerations****Disposal methods**

Waste from residues : The product should not be allowed to enter drains, water  
courses or the soil.  
Do not contaminate ponds, waterways or ditches with  
chemical or used container.

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Contaminated packaging : Send to a licensed waste management company.  
: Empty remaining contents.  
: Dispose of as unused product.  
: Do not re-use empty containers.  
: Do not burn, or use a cutting torch on, the empty drum.

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**Section 14: Transport information**
**International Regulations****UNRTDG**

UN number : UN 1993  
 Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
 (Solvent naphtha, Isobutanol)  
 Class : 3  
 Packing group : III  
 Labels : 3  
 Environmentally hazardous : yes

**IATA-DGR**

UN/ID No. : UN 1993  
 Proper shipping name : Flammable liquid, n.o.s.  
 (Solvent naphtha, Isobutanol)  
 Class : 3  
 Packing group : III  
 Labels : Flammable Liquids  
 Packing instruction (cargo aircraft) : 366  
 Packing instruction (passenger aircraft) : 355

**IMDG-Code**

UN number : UN 1993  
 Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
 (Solvent naphtha, Isobutanol)  
 Class : 3  
 Packing group : III  
 Labels : 3  
 EmS Code : F-E, S-E  
 Marine pollutant : yes  
 Remarks : IMDG Code segregation group - none

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

Not applicable for product as supplied.

**National Regulations****NZS 5433**

UN number : UN 1993  
 Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
 (Solvent naphtha, Isobutanol)  
 Class : 3  
 Packing group : III  
 Labels : 3  
 Hazchem Code : 3Y  
 Marine pollutant : no

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The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**Section 15: Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****HSNO Approval Number**

HSR002502 Additives Process Chemicals and Raw Materials Flammable Carcinogenic Group Standard

## Tolerable Exposure Limits (TEL)

Not applicable

## Environmental Exposure Limits (EEL)

Not applicable

**HSW Controls**

Certified handler certificate not required.

Tracking hazardous substance not required.

Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

**Section 16: Other information**Revision Date : 14.04.2026  
Date format : dd.mm.yyyy**Full text of other abbreviations**ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)  
NZ BEI : New Zealand. Biological Exposure Indices  
NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants  
  
ACGIH / TWA : 8-hour, time-weighted average  
NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average  
NZ OEL / WES-STEL : Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -

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International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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