

## BYK-011

Version 2.2  
SDS\_AU

Revision Date: 15.04.2026

Date of last issue: 17.12.2024  
Print Date 22.04.2026**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : BYK-011  
Product code : 000000000000131641

**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 : 18000 74234 (toll –free number, access from Australia only)  
+61 2 8014 4558

**Importer**

Company : Alchemy Agencies Pty Ltd  
Level 15, 28 Freshwater Place  
Southbank, Victoria, Australia 3006  
Tel: +61 3 9116 6359

Use of the Sub-  
stance/Mixture : Defoamer

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Flammable liquids : Category 4  
Aspiration hazard : Category 1

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H227 Combustible liquid.  
H304 May be fatal if swallowed and enters airways.

Precautionary statements : **Prevention:**

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

**Response:**

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 Store in a well-ventilated place.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

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

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture  
Chemical nature : Solution of polyolefin with hydrophobic particles

**Components**

| Chemical name                       | CAS-No.    | Concentration (% w/w)  |
|-------------------------------------|------------|------------------------|
| Paraffins (petroleum), normal C5-20 | 64771-72-8 | $\geq 50$ - $\leq 100$ |
| 2-ethylhexan-1-ol                   | 104-76-7   | $\geq 3$ - $< 5$       |

**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 : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

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.

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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.

Notes to physician : No information available.

**SECTION 5. FIREFIGHTING MEASURES**

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

Unsuitable extinguishing media : High volume water jet

Hazardous combustion products : Carbon oxides

Specific extinguishing methods : For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
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).  
Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Keep away from open flames, hot surfaces and sources of ignition.

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.

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Conditions for safe storage : Wash hands before breaks and at the end of workday.  
: No smoking.  
: Keep in a well-ventilated place.  
: Observe label precautions.  
: 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 |
|-------------------|----------|-------------------------------|--|-------|
| 2-ethylhexan-1-ol | 104-76-7 | TWA                           | 5 ppm  | ACGIH |

## Personal protective equipment

Hand protection

Material : Nitrile rubber  
Break through time : > 480 min

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 : off-white

Odour : solvent-like

Odour Threshold : No data available

pH : 7 (20 °C)  
Concentration: 1 %  
Method: Universal pH-value indicator

Melting point/ range : < 5 °C  
Method: derived

Initial boiling point : > 130.00 °C  
Method: derived

Flash point : 72.00 °C  
Method: 49 (Pensky-Martens)

Evaporation rate : No data available

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|  |   |  |
|--|---|--|
| Flammability (liquids)                           | : | Sustains combustion  |
| Upper explosion limit / Upper flammability limit | : | 8.50 %(V)  |
| Lower explosion limit / Lower flammability limit | : | 0.50 %(V)  |
| Vapour pressure                                  | : | < 1 hPa (20 °C)<br>Method: derived   |
| Relative vapour density                          | : | No data available  |
| Relative density                                 | : | No data available  |
| Density  | : | 0.8000 g/cm <sup>3</sup> (20.00 °C)<br>Method: 4 (20°C oscillating U-tube) |
| Bulk density                                     | : | Not applicable   |
| 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: calculated   |
| Decomposition temperature                        | : | No data available  |
| Viscosity  | : |  |
| Viscosity, dynamic                               | : | No data available  |
| Viscosity, kinematic                             | : | No data available  |
| Surface tension                                  | : | < 25.00 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.

**Product:**

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

**Components:****2-ethylhexan-1-ol:**

Acute oral toxicity : LD50 (Rat): ca. 2,047 mg/kg  
Method: OECD Test Guideline 401  
GLP: no

Acute inhalation toxicity : LC50 (Rat): > 1 mg/l  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
GLP: yes

Acute dermal toxicity : LD50 (Rat, male and female): > 3,000 mg/kg  
Method: OECD Test Guideline 402

**Skin corrosion/irritation**

Not classified due to lack of data.

**Product:**

Remarks : No data available

**Components:****2-ethylhexan-1-ol:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Severe skin irritation  
GLP : no

**Serious eye damage/eye irritation**

Not classified due to lack of data.

**Product:**

Remarks : No data available

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### **Components:**

#### **2-ethylhexan-1-ol:**

Species : Rabbit  
Result : Eye irritation  
Method : OECD Test Guideline 405  
GLP : no

### **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

### **Chronic toxicity**

#### **Germ cell mutagenicity**

Not classified due to lack of data.

### **Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Result: No data available

### **Carcinogenicity**

Not classified due to lack of data.

### **Product:**

Remarks : No data available

### **Reproductive toxicity**

Not classified due to lack of data.

### **Product:**

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

### **STOT - single exposure**

Not classified due to lack of data.

### **Product:**

Remarks : No data available

### **STOT - repeated exposure**

Not classified due to lack of data.

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Remarks : No data available

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

Remarks : No data available

**Aspiration toxicity**

May be fatal if swallowed and enters airways.

**Product:**

No data available

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

Remarks : Solvents may degrease the skin.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****2-ethylhexan-1-ol:**Toxicity to fish : NOEC (Leuciscus idus (Golden orfe)): 14 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: Directive 67/548/EEC, Annex V, C.1.  
GLP: yesLC50 (Pimephales promelas (fathead minnow)): 28.2 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: OECD Test Guideline 203  
GLP: noToxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus): 39 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: Regulation (EC) No. 440/2008, Annex, C.2  
GLP: yesToxicity to algae/aquatic plants : (Desmodesmus subspicatus (green algae)): 11.5 mg/l  
Exposure time: 72 h  
GLP: yes(Desmodesmus subspicatus (green algae)): 16.6 mg/l  
Exposure time: 72 h  
GLP: yes

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Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301C  
GLP: No information available.

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

Bioaccumulation : Remarks: No data available

**Components:****2-ethylhexan-1-ol:**

Partition coefficient: n- : log Pow: 2.9 (25 °C)  
octanol/water pH: 7  
Method: OECD Test Guideline 117  
GLP: no

**Mobility in soil**

No data available

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

Additional ecological infor- : No data available  
mation

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : 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 : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable

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Labels : Not applicable

### IATA-DGR

UN/ID No. : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Packing instruction (cargo aircraft) : Not applicable  
Packing instruction (passenger aircraft) : Not applicable

### IMDG-Code

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
EmS Code : Not applicable  
Marine pollutant : Not applicable

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

Not applicable for product as supplied.

### National Regulations

#### ADG

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Hazchem Code : Not applicable

### Special precautions for user

Not applicable

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## SECTION 15. REGULATORY INFORMATION

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

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## SECTION 16. OTHER INFORMATION

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### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH / TWA : 8-hour, time-weighted average

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 - 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; TECl - 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

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