

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## BYK-325 N

Version 8.0

SDB\_MT

Revision Date: 08.05.2024

Date of last issue: 16.08.2023

Print Date 14.05.2025

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

#### 1.1 Product identifier

Trade name : BYK-325 N

UFI : 04G9-C0DJ-600A-ACQP

Product code : 000000000000121863

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

Use of the Substance/Mixture : Surface Additive

#### 1.3 Details of the supplier of the safety data sheet

Company : BYK-Chemie GmbH  
Abelstrasse 45  
46483 Wesel

Telephone : +49 281 670-0  
Telefax : +49 281 65735

Information : Regulatory Affairs  
Telephone : +49 281 670-23532  
Telefax : +49 281 670-23533  
E-mail address : GHS.BYK@altana.com

#### 1.4 Emergency telephone number

+44 1235 239670

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

|                                                                                      |                                          |
|--------------------------------------------------------------------------------------|------------------------------------------|
| Flammable liquids, Category 3                                                        | H226: Flammable liquid and vapour.       |
| Serious eye damage, Category 1                                                       | H318: Causes serious eye damage.         |
| Specific target organ toxicity - single exposure, Category 3, Respiratory system     | H335: May cause respiratory irritation.  |
| Specific target organ toxicity - single exposure, Category 3, Central nervous system | H336: May cause drowsiness or dizziness. |
| Specific target organ toxicity - single exposure, Category 3, Respiratory system     | H335: May cause respiratory irritation.  |

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms

:



Signal word

:

Danger

Hazard statements

:

H226 Flammable liquid and vapour.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.

Precautionary statements

:

**Prevention:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing mist or vapours.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Hazardous components which must be listed on the label:**

- 122-99-6 2-phenoxyethanol
- 108-65-6 2-methoxy-1-methylethyl acetate

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

Chemical nature : Solution of a polyether modified siloxane

**Components**

| Chemical name | CAS-No. | Classification | Concentration |
|---------------|---------|----------------|---------------|
|---------------|---------|----------------|---------------|

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|                                 | EC-No.<br>Index-No.<br>Registration number |                                                                                                                                                             | (% w/w)      |
|---------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 2-phenoxyethanol                | 122-99-6<br>204-589-7<br>01-2119488943-21  | Acute Tox. 4; H302<br>Eye Dam. 1; H318<br>STOT SE 3; H335<br>(Respiratory system)<br><br>Acute toxicity estimate<br><br>Acute oral toxicity:<br>1.840 mg/kg | >= 20 - < 25 |
| 2-methoxy-1-methylethyl acetate | 108-65-6<br>203-603-9<br>01-2119475791-29  | Flam. Liq. 3; H226<br>STOT SE 3; H336                                                                                                                       | >= 20 - < 25 |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
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 : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
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.  
Take victim immediately to hospital.

### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

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Risks : No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

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

Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Carbon oxides  
Silicon oxides

### 5.3 Advice for firefighters

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

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 6.2 Environmental precautions

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.

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### 6.3 Methods and material for containment and cleaning up

Methods for 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).

### 6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components | CAS-No. | Value type (Form | Control parameters | Basis |
|------------|---------|------------------|--------------------|-------|
|------------|---------|------------------|--------------------|-------|

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|                                 |                                                                                                                             |              |                      |            |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------|----------------------|------------|
|                                 |                                                                                                                             | of exposure) |                      |            |
| 2-methoxy-1-methylethyl acetate | 108-65-6                                                                                                                    | TWA          | 50 ppm<br>275 mg/m3  | 2000/39/EC |
|                                 | Further information: Identifies the possibility of significant uptake through the skin, Indicative                          |              |                      |            |
|                                 |                                                                                                                             | STEL         | 100 ppm<br>550 mg/m3 | 2000/39/EC |
|                                 | Further information: Identifies the possibility of significant uptake through the skin, Indicative                          |              |                      |            |
|                                 |                                                                                                                             | TWA          | 50 ppm<br>275 mg/m3  | MT OEL     |
|                                 | Further information: A skin notation assigned to the OEL identifies the possibility of significant uptake through the skin. |              |                      |            |
|                                 |                                                                                                                             | STEL         | 100 ppm<br>550 mg/m3 | MT OEL     |
|                                 | Further information: A skin notation assigned to the OEL identifies the possibility of significant uptake through the skin. |              |                      |            |

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name                  | End Use   | Exposure routes | Potential health effects                                        | Value       |
|---------------------------------|-----------|-----------------|-----------------------------------------------------------------|-------------|
| 2-phenoxyethanol                | Workers   | Inhalation      | Long-term exposure,<br>Systemic effects,<br>Local effects       | 8,07 mg/m3  |
|                                 | Workers   | Skin contact    | Long-term exposure,<br>Systemic effects                         | 34,72 mg/kg |
|                                 | Consumers | Inhalation      | Long-term exposure,<br>Short-term exposure,<br>Local effects    | 2,5 mg/m3   |
|                                 | Consumers | Skin contact    | Long-term exposure,<br>Local effects                            | 20,83 mg/kg |
|                                 | Consumers | Ingestion       | Long-term exposure,<br>Short-term exposure,<br>Systemic effects | 17,43 mg/kg |
| 2-methoxy-1-methylethyl acetate | Workers   | Skin contact    | Long-term systemic effects                                      | 796 mg/kg   |
|                                 | Workers   | Inhalation      | Long-term systemic effects                                      | 275 mg/m3   |
|                                 | Consumers | Skin contact    | Long-term systemic effects                                      | 320 mg/kg   |
|                                 | Consumers | Inhalation      | Long-term systemic effects                                      | 33 mg/m3    |
|                                 | Consumers | Ingestion       | Long-term systemic effects                                      | 36 mg/kg    |
|                                 | Workers   | Inhalation      | Acute local effects                                             | 550 mg/m3   |
|                                 | Consumers | Inhalation      | Acute local effects                                             | 33 mg/m3    |

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name   | Environmental Compartment | Value        |
|------------------|---------------------------|--------------|
| 2-phenoxyethanol | Fresh water               | 0,943 mg/l   |
|                  | Marine water              | 0,0943 mg/l  |
|                  | Intermittent releases     | 3,44 mg/l    |
|                  | Fresh water sediment      | 7,2366 mg/kg |

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|                                 |                        |              |
|---------------------------------|------------------------|--------------|
|                                 | Marine sediment        | 0,7237 mg/kg |
|                                 | Soil                   | 1,26 mg/kg   |
|                                 | Sewage treatment plant | 24,8 mg/l    |
| 2-methoxy-1-methylethyl acetate | Fresh water            | 0,635 mg/l   |
|                                 | Marine water           | 0,0635 mg/l  |
|                                 | Intermittent releases  | 6,35 mg/l    |
|                                 | Sewage treatment plant | 100 mg/l     |
|                                 | Fresh water sediment   | 3,29 mg/kg   |
|                                 | Marine sediment        | 0,329 mg/kg  |
|                                 | Soil                   | 0,29 mg/kg   |

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Hand protection

Material : butyl-rubber  
Break through time : > 480 min

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

#### Environmental exposure controls

General advice : 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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid  
Colour : light brown  
Odour : not significant  
Odour Threshold : No data available

Melting point/range : < 0 °C  
Method: derived

Initial boiling point : 146 °C  
Method: derived

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower : No data available

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flammability limit

Flash point : 57 °C  
Method: 49 (Pensky-Martens)

Auto-ignition temperature : > 200 °C  
Method: M0062 (Analytics Wesel)

Decomposition temperature : No data available

pH : 7 (20 °C)  
Concentration: 10 %  
Method: Universal pH-value indicator

Viscosity  
Viscosity, dynamic : 461 mPa.s (20 °C)  
Method: P/K 20°C

Viscosity, kinematic : No data available

Solubility(ies)  
Water solubility : completely miscible  
Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Vapour pressure : 3,1 hPa (ca. 20 °C)  
Method: derived

Relative density : No data available

Density : 1,021 g/cm<sup>3</sup> (20 °C, 1,103 hPa)  
Method: 4 (20°C oscillating U-tube)

Bulk density : Not applicable

Relative vapour density : No data available

### 9.2 Other information

Flammability (liquids) : Sustains combustion

Evaporation rate : No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

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Hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

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

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

##### Components:

#### 2-phenoxyethanol:

Acute oral toxicity : LD50 (Rat): 1.840 mg/kg  
Method: OECD Test Guideline 401  
GLP: no

Acute toxicity estimate: 1.840 mg/kg  
Method: Calculation method

Acute inhalation toxicity : LC50 (Rat): > 1 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 412  
GLP: yes  
Assessment: The substance or mixture has no acute inhalation toxicity

#### 2-methoxy-1-methylethyl acetate:

Acute oral toxicity : LD50 (Rat, female): > 5.000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

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### Skin corrosion/irritation

#### Components:

##### 2-phenoxyethanol:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

##### 2-methoxy-1-methylethyl acetate:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : yes

### Serious eye damage/eye irritation

#### Product:

Remarks : May cause irreversible eye damage.

#### Components:

##### 2-phenoxyethanol:

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

##### 2-methoxy-1-methylethyl acetate:

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

### Respiratory or skin sensitisation

#### Product:

Remarks : No data available

#### Components:

##### 2-phenoxyethanol:

Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Does not cause skin sensitisation.

##### 2-methoxy-1-methylethyl acetate:

Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Not a skin sensitizer.  
GLP : yes

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### Germ cell mutagenicity

#### Product:

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

### Carcinogenicity

#### Product:

Remarks : No data available

### Reproductive toxicity

#### Product:

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

#### Components:

#### **2-phenoxyethanol:**

Effects on foetal development : Species: Rat  
Application Route: Oral  
Duration of Single Treatment: 14 d  
General Toxicity Maternal: NOAEL: 300 mg/kg body weight  
Teratogenicity: NOAEL: 1.000 mg/kg body weight  
Method: OECD Test Guideline 414

Species: Rabbit  
Application Route: Dermal  
Duration of Single Treatment: 14 d  
General Toxicity Maternal: NOAEL: 300 mg/kg body weight  
Teratogenicity: NOAEL: 600 mg/kg body weight

### STOT - single exposure

#### Product:

Remarks : No data available

### STOT - repeated exposure

#### Product:

Remarks : No data available

### Repeated dose toxicity

#### Product:

Remarks : No data available

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### Components:

#### **2-phenoxyethanol:**

Species : Rat  
NOAEL : 700 mg/kg  
Application Route : Oral  
Method : OECD Test Guideline 408

Species : Rat  
NOAEL : 0,0482 mg/l  
Application Route : Inhalation  
Method : OECD Test Guideline 412  
Target Organs : Respiratory organs

#### **Aspiration toxicity**

### Product:

No data available

## 11.2 Information on other hazards

### **Endocrine disrupting properties**

### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **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.

## SECTION 12: Ecological information

### 12.1 Toxicity

### Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

### Components:

#### **2-phenoxyethanol:**

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): min. 100 mg/l

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aquatic invertebrates                      Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202

Toxicity to fish (Chronic tox-            : NOEC: 23 mg/l  
icity)                                              Exposure time: 34 d  
Method: OECD Test Guideline 210

Toxicity to daphnia and other            : NOEC: 9,43 mg/l  
aquatic invertebrates (Chron-            Exposure time: 21 d  
ic toxicity)                                      Species: Daphnia (water flea)  
Test Type: semi-static test  
Method: OECD Test Guideline 211

### 2-methoxy-1-methylethyl acetate:

Toxicity to fish                                : LC50 (Fish): 100 - 180 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203  
GLP: no

Toxicity to algae/aquatic                 : EC50 (Pseudokirchneriella subcapitata (green algae)): >  
plants                                              1.000 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 201  
GLP: no

## 12.2 Persistence and degradability

### Product:

Biodegradability                                : Remarks: No data available

### Components:

#### 2-phenoxyethanol:

Biodegradability                                : Biodegradation: > 70 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301A

#### 2-methoxy-1-methylethyl acetate:

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

## 12.3 Bioaccumulative potential

### Product:

Bioaccumulation                                : Remarks: No data available

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### Components:

#### **2-methoxy-1-methylethyl acetate:**

Partition coefficient: n-octanol/water : log Pow: 1,2 (20 °C)  
pH: 6,8  
Method: OECD Test Guideline 117  
GLP: yes

### **12.4 Mobility in soil**

No data available

### **12.5 Results of PBT and vPvB assessment**

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **12.6 Endocrine disrupting properties**

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **12.7 Other adverse effects**

#### Product:

Additional ecological information : No data available

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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

Product : 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**

### **14.1 UN number or ID number**

ADR : UN 3272

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**IMDG** : UN 3272

**IATA** : UN 3272

### 14.2 UN proper shipping name

**ADR** : ESTERS, N.O.S.  
(1-Methoxy-2-propanol acetate)

**IMDG** : ESTERS, N.O.S.  
(1-Methoxy-2-propanol acetate)

**IATA** : Esters, n.o.s.  
(1-Methoxy-2-propanol acetate)

### 14.3 Transport hazard class(es)

**ADR** : 3

**IMDG** : 3

**IATA** : 3

### 14.4 Packing group

#### **ADR**

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3  
Tunnel restriction code : D/E

#### **IMDG**

Packing group : III  
Labels : 3  
EmS Code : F-E, S-D  
Remarks : IMDG Code segregation group - none

#### **IATA (Cargo)**

Packing instruction (cargo aircraft) : 366  
Packing group : III  
Labels : Flammable Liquids

#### **IATA (Passenger)**

Packing instruction (passenger aircraft) : 355  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

### 14.5 Environmental hazards

#### **ADR**

Environmentally hazardous : no

#### **IMDG**

Marine pollutant : no

### 14.6 Special precautions for user

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

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Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 75, 3

If you intend to use this product as tattoo ink, please contact your vendor.

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. P5c FLAMMABLE LIQUIDS

### 15.2 Chemical safety assessment

Not applicable

## SECTION 16: Other information

Items where relevant changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

### Full text of H-Statements

H226 : Flammable liquid and vapour.  
H302 : Harmful if swallowed.  
H318 : Causes serious eye damage.  
H335 : May cause respiratory irritation.  
H336 : May cause drowsiness or dizziness.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Eye Dam. : Serious eye damage  
Flam. Liq. : Flammable liquids  
STOT SE : Specific target organ toxicity - single exposure  
2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values  
MT OEL : Malta. Occupational Exposure Limits

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|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| 2000/39/EC / TWA  | : Limit Value - eight hours                               |
| 2000/39/EC / STEL | : Short term exposure limit                               |
| MT OEL / TWA      | : Long term exposure limit                                |
| MT OEL / STEL     | : Occupational exposure limit value Short-term, 15 minute |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; 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; GHS - Globally Harmonized 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 Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

|              |      |
|--------------|------|
| Flam. Liq. 3 | H226 |
| Eye Dam. 1   | H318 |
| STOT SE 3    | H335 |
| STOT SE 3    | H336 |
| STOT SE 3    | H335 |

#### Classification procedure:

|                                     |
|-------------------------------------|
| Based on product data or assessment |
| Calculation method                  |
| Calculation method                  |
| Calculation method                  |
| Calculation method                  |

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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