

# 1-Bromoethane

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Date of issue: 3/12/2019 Version: 1.0

\*\*\* DRAFT \*\*\*

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

#### 1.1. Product identifier

|                |                              |
|----------------|------------------------------|
| Product form   | : Substance                  |
| Substance name | : 1-Bromoethane              |
| Chemical name  | : bromoethane; ethyl bromide |
| IUPAC name     | : bromoethane                |
| EC Index-No.   | : 602-055-00-1               |
| EC-No.         | : 200-825-8                  |
| CAS-No.        | : 74-96-4                    |
| Product code   | : 25931461                   |
| Product group  | : Raw material               |

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

##### 1.2.1. Relevant identified uses

|                                  |  |
|----------------------------------|--|
| Main use category                | : Laboratory use, Industrial use, Professional use |
| Industrial/Professional use spec | : For professional use only                        |

##### 1.2.2. Uses advised against

No additional information available

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

Safell Organics  
Molekula Ltd  
Lingfield Way  
Darlington - England  
T +44 (0) 1949 823777 / +44 (0) 7590 545705  
[info@molekula.com](mailto:info@molekula.com) / [kbowen@molekula.com](mailto:kbowen@molekula.com) - [www.molekula.com](http://www.molekula.com)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 7590 545705

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|  |      |
|--|------|
| Flammable liquids, Category 2              | H225 |
| Carcinogenicity, Category 2                | H351 |
| Acute toxicity (inhal.), Category 4        | H332 |
| Acute toxicity (oral), Category 4          | H302 |
| Full text of H statements : see section 16 |      |

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02

GHS08

GHS07

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.  
H302 - Harmful if swallowed.  
H332 - Harmful if inhaled.  
H351 - Suspected of causing cancer.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P264 - Wash hands, face, hands, forearms and face thoroughly after handling.  
P280 - Wear protective clothing, eye protection, face protection, protective gloves.  
P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

| Name          | Product identifier   | %   |
|---------------|--|-----|
| 1-Bromoethane | (CAS-No.) 74-96-4<br>(EC-No.) 200-825-8<br>(EC Index-No.) 602-055-00-1 | 100 |

Full text of H-statements: see section 16

#### 3.2. Mixtures

Not applicable

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : If possible show this sheet, if not available show packaging or label. Never give anything by mouth to an unconscious person. Do not leave affected person unattended.  |
| First-aid measures after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. If breathing difficulties persist : Get medical advice/attention. |
| First-aid measures after skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. If irritation persists, consult a doctor.                        |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.   |
| First-aid measures after ingestion    | : Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.   |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. Headache. May be harmful if inhaled. More severe symptoms are also possible. |
| Symptoms/effects after skin contact | : May cause skin irritation. May be harmful in contact with skin. Redness, pain. More severe symptoms are also possible.   |
| Symptoms/effects after eye contact  | : May cause severe irritation. Blurred vision. redness, itching, tears. stinging. More severe symptoms are also possible.  |
| Symptoms/effects after ingestion    | : Swallowing this material may result in health hazard. Symptoms of ingestion include drowsiness, weakness, headache, dizziness, nausea, vomiting. More severe symptoms are also possible.   |

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

Immediately call a POISON CENTER/doctor.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

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

|  |   |
|--|---|
| Fire hazard                                      | : Highly flammable liquid and vapour.                     |
| Explosion hazard                                 | : May form flammable/explosive vapour-air mixture.        |
| Hazardous decomposition products in case of fire | : Carbon oxides (CO, CO <sub>2</sub> ). hydrogen bromide. |

#### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Precautionary measures fire    | : Exposure to fire/heat: seal off low-lying areas. Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.   |
| Firefighting instructions      | : Evacuate area. Eliminate all ignition sources if safe to do so. Fight fire from safe distance and protected location. Use water spray or fog for cooling exposed containers. Use extinguishing agent suitable for surrounding fire. Keep upwind. |
| Protection during firefighting | : Use self-contained breathing apparatus and chemically protective clothing.   |
| Other information              | : Warn all persons of toxic hazard.  |

### SECTION 6: Accidental release measures

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

|                  |   |
|------------------|---|
| General measures | : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. |
|------------------|---|

##### 6.1.1. For non-emergency personnel

|                      |  |
|----------------------|--|
| Protective equipment | : Wear recommended personal protective equipment.  |
| Emergency procedures | : Do not touch or walk on the spilled product. Evacuate area. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not breathe vapours. Do not get in eyes, on skin, or on clothing. Turn leaking containers leak-side up to prevent the escape of liquid. |

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Measures in case of dust release : Shelter from vapours by keeping upwind. Special attention should be given to low areas/pits where flammable vapours can accumulate.

### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing.

Emergency procedures : All equipment used when handling the product must be grounded. Cover spill with non combustible material, e.g.: sand/earth. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Stop leak if safe to do so.

### 6.2. Environmental precautions

Prevent liquid from entering sewers, watercourses, underground or low areas. Notify authorities if liquid enters sewers or public waters.

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

For containment : Collect leaking and spilled liquid in sealable containers as far as possible. Contain the spilled material by bunding.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : Avoid contact with skin, eyes and clothing. Avoid formation of vapours. Do not handle until all safety precautions have been read and understood. Ensure that there is a suitable ventilation system. Do not handle in a confined space.

Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Do not eat, drink or smoke when using this product.

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

Technical measures : Ensure adequate ventilation, especially in confined areas. Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Light sensitive. Moisture sensitive.

Incompatible products : Strong oxidisers. Strong bases. magnesium. Potassium. calcium oxide. Sodium Oxides. Aluminium. zinc. Alkali metals.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources. Light. Moisture. Water, humidity.

Storage temperature : 2 - 8 °C

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

Storage area : Store in an explosion-proof refrigerator. . Store in dry protected location to prevent any moisture contact. Store in a dark area.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374. Always wash hands after handling the product

| Type              | Material              | Permeation        | Thickness (mm) | Penetration | Standard |
|-------------------|-----------------------|-------------------|----------------|-------------|----------|
| Disposable gloves | Fluoroelastomer (FKM) | 6 (> 480 minutes) | 0.7            |             | EN 374   |

#### Eye protection:

Chemical goggles or face shield. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Use eye protection according to EN 166, designed to protect against liquid splashes.

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| Type                        | Use              | Characteristics                                   | Standard |
|-----------------------------|------------------|---|----------|
| Safety goggles, Face shield | Droplet, vapours | tightly fitting safety goggles, With side shields | EN 166   |

### Skin and body protection:

Emergency safety showers should be available in the immediate vicinity of any potential exposure. Keep suitable chemically resistant protective clothing readily available for emergency use

| Type  | Standard |
|---|----------|
| Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product, Flame retardant antistatic protective clothing | EN 14605 |

### Respiratory protection:

Keep self contained breathing apparatus readily available for emergency use. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Wear appropriate mask

| Device                                   | Filter type | Condition   | Standard |
|--|-------------|---|----------|
| Air-Purifying Respirator (APR), reusable | ABEK        | Moist condition, Mist formation, Protection for Liquid particles, Vapour protection | EN 14387 |

### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |                                 |
|--|---------------------------------|
| Physical state                             | : Liquid                        |
| Molecular mass                             | : 108.97 g/mol                  |
| Colour                                     | : Clear colourless-pale yellow. |
| Odour                                      | : No data available.            |
| Odour threshold                            | : No data available             |
| pH   | : No data available             |
| Relative evaporation rate (butylacetate=1) | : No data available             |
| Melting point                              | : -119 °C lit.                  |
| Freezing point                             | : No data available             |
| Boiling point                              | : 37 - 40 °C                    |
| Flash point                                | : -23 °C                        |
| Auto-ignition temperature                  | : No data available             |
| Decomposition temperature                  | : No data available             |
| Flammability (solid, gas)                  | : No data available             |
| Vapour pressure                            | : 519.7 hPa at 20 °C            |
| Relative vapour density at 20 °C           | : No data available             |
| Relative density                           | : 1.46 g/mL at 25 °C            |
| Solubility                                 | : No data available             |
| Log Pow                                    | : No data available             |
| Viscosity, kinematic                       | : No data available             |
| Viscosity, dynamic                         | : No data available             |
| Explosive properties                       | : No data available             |
| Oxidising properties                       | : No data available             |
| Lower explosive limit (LEL)                | : 6.75 vol %                    |
| Upper explosive limit (UEL)                | : 11.25 vol %                   |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour.

### 10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

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### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Light. Moisture. Water, humidity.

### 10.5. Incompatible materials

Strong bases. Strong oxidizers. magnesium. Potassium. calcium oxide. Sodium Oxides. Aluminium. zinc. Alkali metals.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature. Thermal decomposition generates : hydrogen bromide. Carbon oxides (CO, CO2).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Oral: Harmful if swallowed.  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Inhalation: Harmful if inhaled.

#### 1-Bromoethane (74-96-4)

|   |  |
|---|--|
| LD50 oral rat                                       | 1350 mg/kg   |
| Skin corrosion/irritation                           | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Serious eye damage/irritation                       | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Respiratory or skin sensitisation                   | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Germ cell mutagenicity                              | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Carcinogenicity                                     | : Suspected of causing cancer.                                     |
| Reproductive toxicity                               | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| STOT-single exposure                                | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| STOT-repeated exposure                              | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Aspiration hazard                                   | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Potential adverse human health effects and symptoms | : Harmful if swallowed.  |

## SECTION 12: Ecological information

### 12.1. Toxicity

Acute aquatic toxicity : Not classified  
Chronic aquatic toxicity : Not classified

#### 1-Bromoethane (74-96-4)

|                    |   |
|--------------------|---|
| EC50 72h algae (1) | 200 mg/l <i>Pseudokirchneriella subcapitata</i> |
|--------------------|---|

### 12.2. Persistence and degradability

#### 1-Bromoethane (74-96-4)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | No data available. |
|-------------------------------|--------------------|

### 12.3. Bioaccumulative potential

#### 1-Bromoethane (74-96-4)

|                           |                    |
|---------------------------|--------------------|
| Bioaccumulative potential | No data available. |
|---------------------------|--------------------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### 1-Bromoethane (74-96-4)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|  |   |
|--|---|
| Product/Packaging disposal recommendations | : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| Additional information                     | : Handle empty containers with care because residual vapours are flammable.   |
| Ecology - waste materials                  | : Avoid release to the environment.   |

### SECTION 14: Transport information

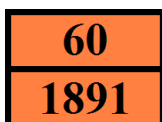
In accordance with ADR / RID / IMDG / IATA / ADN

| ADR  | IMDG   | IATA   | ADN  | RID  |
|--|--|--|--|--|
| <b>14.1. UN number</b>   |  |  |  |  |
| 1891   | 1891   | 1891   | 1891   | 1891   |
| <b>14.2. UN proper shipping name</b>   |  |  |  |  |
| ETHYL BROMIDE  | ETHYL BROMIDE  | Ethyl bromide  | ETHYL BROMIDE  | ETHYL BROMIDE  |
| <b>Transport document description</b>  |  |  |  |  |
| UN 1891 ETHYL BROMIDE (1-Bromoethane), 6.1, II, (D/E)                              | UN 1891 ETHYL BROMIDE (1-Bromoethane), 6.1, II                                     | UN 1891 Ethyl bromide (1-Bromoethane), 6.1, II                                     | UN 1891 ETHYL BROMIDE (1-Bromoethane), 6.1, II                                       | UN 1891 ETHYL BROMIDE (1-Bromoethane), 6.1, II                                       |
| <b>14.3. Transport hazard class(es)</b>  |  |  |  |  |
| 6.1  | 6.1  | 6.1  | 6.1  | 6.1  |
|  |  |  |  |  |
| <b>14.4. Packing group</b>   |  |  |  |  |
| II   | II   | II   | II   | II   |
| <b>14.5. Environmental hazards</b>   |  |  |  |  |
| Dangerous for the environment : No   | Dangerous for the environment : No<br>Marine pollutant : No                        | Dangerous for the environment : No   | Dangerous for the environment : No   | Dangerous for the environment : No   |
| No supplementary information available   |  |  |  |  |

#### 14.6. Special precautions for user

##### Overland transport

|   |               |
|---|---------------|
| Classification code (ADR)   | : T1          |
| Limited quantities (ADR)  | : 100ml       |
| Excepted quantities (ADR)   | : E4          |
| Packing instructions (ADR)  | : P001, IBC02 |
| Special packing provisions (ADR)  | : B8          |
| Mixed packing provisions (ADR)  | : MP15        |
| Portable tank and bulk container instructions (ADR)                     | : T7          |
| Portable tank and bulk container special provisions (ADR)               | : TP2         |
| Tank code (ADR)   | : L4BH        |
| Tank special provisions (ADR)   | : TU15, TE19  |
| Vehicle for tank carriage   | : AT          |
| Transport category (ADR)  | : 2           |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13, CV28  |
| Special provisions for carriage - Operation (ADR)                       | : S9, S19     |
| Hazard identification number (Kemler No.)                               | : 60          |
| Orange plates   | :             |



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|                                    |   |
|------------------------------------|---|
| Tunnel restriction code (ADR)      | : D/E   |
| EAC code                           | : 2W  |
| <b>Transport by sea</b>            |   |
| Packing instructions (IMDG)        | : P001  |
| IBC packing instructions (IMDG)    | : IBC02   |
| IBC special provisions (IMDG)      | : B8  |
| Tank instructions (IMDG)           | : T7  |
| Tank special provisions (IMDG)     | : TP2, TP13   |
| EmS-No. (Fire)                     | : F-A   |
| EmS-No. (Spillage)                 | : S-A   |
| Stowage category (IMDG)            | : B   |
| Stowage and handling (IMDG)        | : SW2, SW5  |
| Properties and observations (IMDG) | : Colourless volatile liquid evolving irritating vapour with a narcotic effect. Boiling point: 38°C. Vapour can be ignited by an electric spark or similar sources of ignition. Toxic if swallowed, by skin contact or by inhalation. |

### Air transport

|  |        |
|--|--------|
| PCA Excepted quantities (IATA)               | : E4   |
| PCA Limited quantities (IATA)                | : Y641 |
| PCA limited quantity max net quantity (IATA) | : 1L   |
| PCA packing instructions (IATA)              | : 654  |
| PCA max net quantity (IATA)                  | : 5L   |
| CAO packing instructions (IATA)              | : 662  |
| CAO max net quantity (IATA)                  | : 60L  |
| ERG code (IATA)                              | : 6L   |

### Inland waterway transport

|                                   |                  |
|-----------------------------------|------------------|
| Classification code (ADN)         | : T1             |
| Special provisions (ADN)          | : 802            |
| Limited quantities (ADN)          | : 100 ml         |
| Excepted quantities (ADN)         | : E4             |
| Equipment required (ADN)          | : PP, EP, TOX, A |
| Ventilation (ADN)                 | : VE02           |
| Number of blue cones/lights (ADN) | : 2              |

### Rail transport

|   |                    |
|---|--------------------|
| Classification code (RID)   | : T1               |
| Excepted quantities (RID)   | : E4               |
| Packing instructions (RID)  | : P001, IBC02      |
| Special packing provisions (RID)  | : B8               |
| Mixed packing provisions (RID)  | : MP15             |
| Portable tank and bulk container instructions (RID)                     | : T7               |
| Portable tank and bulk container special provisions (RID)               | : TP2              |
| Tank codes for RID tanks (RID)  | : L4BH             |
| Special provisions for RID tanks (RID)                                  | : TU15             |
| Transport category (RID)  | : 2                |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW28, CW31 |
| Colis express (express parcels) (RID)                                   | : CE5              |
| Hazard identification number (RID)                                      | : 60               |

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions  
1-Bromoethane is not on the REACH Candidate List  
Directive 2012/18/EU (SEVESO III)

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### 15.1.2. National regulations

#### Germany

Reference to AwSV : Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to AwSV; ID No. 2273)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

#### Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct contact with the product

The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

| Full text of H- and EUH-statements: |                                     |
|-------------------------------------|-------------------------------------|
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4   |
| Carc. 2                             | Carcinogenicity, Category 2         |
| Flam. Liq. 2                        | Flammable liquids, Category 2       |
| H225                                | Highly flammable liquid and vapour. |
| H302                                | Harmful if swallowed.               |
| H332                                | Harmful if inhaled.                 |
| H351                                | Suspected of causing cancer.        |

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*