



## Specification

**Product Name:** Popcorn Flavour Drop

**Product Code:** SPEC0126

**Description:**

Food Flavouring Drops are premium quality water soluble intense flavours which provide an exceptionally efficient method of adding flavour. They are a highly concentrated, versatile, multi-use product for both food and liquid. They should be used sparingly; 1-2 ml is ample to flavour 1 litre of base liquid. Each 30ml bottle contains approximately 800 drops. Food Flavouring Drops disperse well in most foods and drinks. They are ideal for flavouring cakes, icings, fondants, ice cream, sorbets, cupcakes, pastry, salads, sauces, frostings, ganache, desserts, cocktails, drinks, cream, wine, beer, spirits, sweets and more. They can also be used to enhance the flavour of a dish, without changing the texture of the original product.

**Odour & Flavour:**

Characteristic. Conforms to standard.

**Ingredients:**

Flavouring substances, Propylene Glycol (E1520).

**Dietary Information:**

Suitable for Vegans, Ovo-lacto Vegetarians & Vegetarians, Non-GMO, Gluten Free, Allergen Free, Non-Irradiated, No Added Sugar.

**Nutritional Information:**

Energy: 1673.6kj/400kcal (Based on 100g).

**Storage:**

Store in cool, dry conditions not in direct sunlight.

**Packaging:**

|         |               |
|---------|---------------|
| 30ml    | 5060341110160 |
| 500ml   | 5056191010712 |
| 1 Litre | 5056191005886 |
| 5 Litre | 5056191005893 |

**Country of Origin:**

United Kingdom.

**Shelf Life:**

24 months if stored as above and unopened.

**Density (g/ml) at 20°C:**

1.043 – 1.063

**Refractive Index at 20°C:**

1.427 – 1.447

**Flashpoint °C (closed cup):**

&gt; 100

**Labelling according to Regulation (EC) No. 1334/2008:**

Flavouring

**Hazards:**

Non hazardous

**Allergen Declaration**

| Allergen                                                                                                    | Contains (Y/N) |
|-------------------------------------------------------------------------------------------------------------|----------------|
| Cereals containing Gluten                                                                                   | N              |
| Crustaceans                                                                                                 | N              |
| Eggs                                                                                                        | N              |
| Fish                                                                                                        | N              |
| Peanuts                                                                                                     | N              |
| Soybeans                                                                                                    | N              |
| Milk                                                                                                        | N              |
| Nuts                                                                                                        | N              |
| Celery                                                                                                      | N              |
| Mustard                                                                                                     | N              |
| Sesame Seeds                                                                                                | N              |
| Sulphur Dioxide and Sulphites (at concentration of more than 10mg/kg or 10mg/L in terms of Sulphur Dioxide) | N              |
| Lupin                                                                                                       | N              |
| Molluscs                                                                                                    | N              |

**Material Safety Data Sheet****1: Identification of the substance/mixture and of the company/undertaking:****1.1 – Product identifier**

Product form: Mixture,

Product name: Popcorn Flavour Drop.

**1.2 – Relevant identified uses of the substance or mixture and uses advised against:****1.2.1: Relevant identified uses:** use of the substance/mixture: Food and/or beverage flavouring.**1.2.2: Uses advised against:** Restrictions on use: Not for direct consumption.**1.3 – Details of the supplier of the safety data sheet:**

Company: Special Ingredients Ltd, 4 Foxwood View, Chesterfield, S41 9RN.

Tel: 0044 (0)1246 906247,

**1.4 - Emergency Telephone Contact:** 07387 330318. <https://specialingredients.co.uk/pages/contact>

## 2: Hazards Identification:

### 2.1 – Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 (CLP): Not classified

Adverse psychochemical, human health and environmental effects: To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2 – Label elements:

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

EUH-statements: EUH210 - Safety data sheet available on request.

### 2.3 – Other hazards:

Contains no PBT/vPvB substances  $\geq 0.1\%$  1907/2006 amended by Regulation (EU) 2020/878.

| Component                  |                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Propylene glycol (57-55-6) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

The mixture does not contain substance(s) included in the list established in accordance with Article 59 (1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%.

## 3: Composition/Information on Ingredients:

### 3.1 – Substances:

Not applicable.

### 3.2 – Mixtures:

| Name     | Product identifier                     | %   | Classification according to Regulation (EC) no. 1272/2008 (CLP)                            |
|----------|----------------------------------------|-----|--------------------------------------------------------------------------------------------|
| Diacetyl | CAS-NO.: 431-03-8<br>EC-No.: 207-069-8 | < 1 | Flam. Liq. 2, H225<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 3 (Inhalation: vapour), H331 |

Full Text of H- and EUH statements: see section 15.

## 4: First Aid Measures:

### 4.1 – Description of First Aid Measures:

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact: Wash skin with plenty of water.

First-aid measures after eye contact: Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2 – Most important symptoms and effect, both acute and delayed:

No additional information available

**4.3 – Indication of any immediate medical attention and special treatment needed:**

Treat Symptomatically.

**5: Firefighting Measures:****5.1 - Extinguishing media:**

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

**5.2 – Special hazards arising from the substance or mixture:**

Hazardous decomposition products in case of fire: Toxic fumes may be released.

**5.3 – Advice for firefighters:**

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus, Complete protective clothing.

**6: Accidental Release Measures:****6.1 – Personal precautions, protective equipment and emergency procedures:****6.1.1 – For non-emergency personnel:**

Emergency Procedures: Ventilate spillage area.

**6.1.2 – For emergency responders:**

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

**6.2 – Environmental Precautions:**

Avoid release to the environment.

**6.3 – Methods and material for containment and cleaning up:**

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site.

**6.4 – Reference to other sections:**

For further information refer to section 13.

**7: Handling and Storage:****7.1 – Precautions for safe handling:**

Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fumes/gas/mist/vapours/spray. Wear personal protective equipment.

Hygiene measures: Wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

**7.2 – Conditions for safe storage, including any incompatibilities:**

Storage conditions: Store locked up. Store in a well-ventilated place. Keep cool.

**7.3 – Specific end use(s):**

No additional information available.

**8: Exposure Controls/ Personal Protection:****8.1 – Control parameters:****8.1.1 National occupational exposure and biological limit values**

|                                                      |                                      |
|------------------------------------------------------|--------------------------------------|
| <b>Diacetyl (431-03-8)</b>                           |                                      |
| <b>United Kingdom – Occupational Exposure Limits</b> |                                      |
| Local name                                           | Diacetyl (Butanedione)               |
| WEL TWA (OEL TWA) [1]                                | 0.07 mg/m <sup>3</sup>               |
| WEL TWA (OEL TWA) [2]                                | 0.02 ppm                             |
| WEL STEL (OEL STEL)                                  | 0.36 mg/m <sup>3</sup>               |
| WEL STEL (OEL STEL) [ppm]                            | 0.1 ppm                              |
| Regulatory reference                                 | EH40/2005 (Third edition, 2018). HSE |

|                                                      |                                               |
|------------------------------------------------------|-----------------------------------------------|
| <b>Propylene glycol (57-55-6)</b>                    |                                               |
| <b>United Kingdom – Occupational Exposure Limits</b> |                                               |
| Local name                                           | Propane-1,2-diol                              |
| WEL TWA (OEL TWA) [1]                                | 474 mg/m <sup>3</sup><br>10 mg/m <sup>3</sup> |
| WEL TWA (OEL TWA) [2]                                | 150 ppm                                       |
| Regulatory reference                                 | EH40/2005 (Fourth edition, 2020). HSE         |

**8.1.2 Recommended monitoring procedures**

No additional information available.

**8.1.3 Air contaminants found**

No additional information available.

**8.1.4 DNEL and PNEC**

No additional information available.

**8.1.5 Control banding**

No additional information available.

**8.2 – Exposure controls:****8.2.1 Appropriate engineering controls**

Ensure good ventilation of the work station.

**8.2.2 Person protective equipment**

Personal protective equipment symbol(s)

**8.2.2.1 Eye and face protection**

| Eye protection |                   |                    |            |
|----------------|-------------------|--------------------|------------|
| Safety Glasses |                   |                    |            |
| Type           | Field application | of Characteristics | Standard   |
| Safety Goggles | Droplet, Dust     | Clear, Plastic     | EN 166 1B3 |

**8.2.2.2 Skin protection**

| Skin and body protection |           |
|--------------------------|-----------|
| Type                     | Standard  |
| Lab Coat                 | ASTM F903 |

| Hand Protection                              |                      |                   |                |             |                                                                |
|----------------------------------------------|----------------------|-------------------|----------------|-------------|----------------------------------------------------------------|
| Protective gloves against chemicals (EN 374) |                      |                   |                |             |                                                                |
| Type                                         | Material             | Permeation        | Thickness (mm) | Penetration | Standard                                                       |
| Disposable gloves                            | Nitrile rubber (NBR) | 5 (> 240 minutes) | 0.20-0.30      | 2 (< 1.5)   | EN 420, EN 16523-1, EN ISO 374-1, EN 374-2, EN 374-4, EN 374-5 |

**8.2.2.3 Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

| Respiratory Protection                  |                                                                                       |                                                                                      |          |
|-----------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------|
| Device                                  | Filter type                                                                           | Condition                                                                            | Standard |
| Powered Air-purifying Respirator (PAPR) | Filter AX (brown), Filter P (white), Type A – High Boiling (>65 °C) organic compounds | Protection for liquid particles, Protection for solid particles, Short term exposure | EN 12941 |

**8.2.2.4 Thermal hazards**

No additional information available.

**8.2.3 Environmental exposure controls**

Avoid release to the environment.

**9: Physical and Chemical Properties:****9.1 – Information on basic physical and chemical properties:**

Physical state: Liquid

Colour: Yellow.

Odour: Characteristic. Conforms to Standard.

Odour threshold: Not available

Melting point: Not applicable

Freezing point: Not available

Boiling point: Not available  
Flammability: Not applicable  
Explosive limits: Not available  
Lower explosion limit: Not available  
Upper explosion limit: Not available  
Flash point: > 60 °C  
Auto-ignition temperature: Not available  
Decomposition temperature: Not available  
pH: Not available  
Viscosity, kinematic: Not available  
Solubility: Not available  
Partition coefficient n-octanol/water (Log Kow): Not available  
Vapour pressure: Not available  
Vapour pressure at 50°C: Not available  
Density: 1.04 (1.03 – 1.05) g/ml at 20°C  
Relative density: Not available  
Relative vapour density at 20°C: Not available  
Particle characteristics: Not applicable

## 9.2 – Other information:

### 9.2.1 Information with regard to physical hazard classes

No additional information available.

### 9.2.2 Other safety characteristics

Refractive index: 1.42 – 1.44

## Stability and Reactivity:

### 10.1 – Reactivity:

This product is non-reactive under normal conditions of use, storage and transport.

### 10.2 – Chemical Stability:

Stable under normal conditions.

### 10.3 - Possibility of hazardous reactions:

No dangerous reactions known under normal conditions of use.

### 10.4 – Conditions to avoid:

None under recommended storage and handling conditions (see Section 7).

### 10.5 – Incompatible materials:

No additional information available.

### 10.6 – Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11: Toxicological Information:

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

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

| <b>Oleic acid (112-80-1)</b> |                           |
|------------------------------|---------------------------|
| LD50 oral rat                | > 19200 mg/kg (Rat, Oral) |

| <b>Diacetyl (431-03-8)</b>      |                       |
|---------------------------------|-----------------------|
| LD50 oral                       | 1580 mg/kg bodyweight |
| LC50 Inhalation – Rat (Vapours) | 3 mg/l/4h             |
| ATE CLP (oral)                  | 6440 mg/kg bodyweight |
| ATE CLP (vapours)               | 3 mg/5/4h             |

| <b>2-acetylpyridine (1122-62-9)</b> |                        |
|-------------------------------------|------------------------|
| LD50 oral rat                       | 2280 mg/kg (Rat, Oral) |
| LD50 oral                           | 2140 mg/kg bodyweight  |
| ATE CLP (oral)                      | 2140 mg/kg bodyweight  |

| <b>Propylene glycol (57-55-6)</b> |                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------|
| LD50 oral rat                     | 22000 mg/kg (Rat, Male/female, Experimental value, Oral)                                |
| LD50 dermal rabbit                | > 2000 mg/kg bodyweight (24 h, Rabbit, Experimental value, Dermal, 14 day(s))           |
| LC50 Inhalation – Rat             | > 44.9 mg/l (4 h, Rat, Male/female, Experimental value, Inhalation (aerosol), 7 day(s)) |
| ATE CLP (oral)                    | 22000 mg/kg bodyweight                                                                  |

Skin corrosion/irritation: Causes severe skin burns

| <b>2-acetylpyridine (1122-62-9)</b> |          |
|-------------------------------------|----------|
| pH                                  | 7 (10 %) |

| <b>Propylene glycol (57-55-6)</b> |                 |
|-----------------------------------|-----------------|
| pH                                | 6.5 – 7.5 (50%) |

Serious eye damage/irritation: Not classified

| <b>2-acetylpyridine (1122-62-9)</b> |          |
|-------------------------------------|----------|
| pH                                  | 7 (10 %) |

| <b>Propylene glycol (57-55-6)</b> |                 |
|-----------------------------------|-----------------|
| pH                                | 6.5 – 7.5 (50%) |



Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

|                              |                          |
|------------------------------|--------------------------|
| <b>Oleic acid (112-80-1)</b> |                          |
| Viscosity, kinematic         | 29.213mm <sup>2</sup> /s |

|                                   |                         |
|-----------------------------------|-------------------------|
| <b>Propylene glycol (57-55-6)</b> |                         |
| Viscosity, kinematic              | 4.426mm <sup>2</sup> /s |

## 11.1 – Information on other hazards

### 11.2.1 Endocrine disrupting properties

No additional information available.

### 11.2.1 Other information

Special Ingredients Ltd do not test on animals, this is historical information.

## 12: Ecological Information:

### 12.1 – Toxicity:

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

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

Hazardous to the aquatic environment, Long-term (Chronic): Not classified

|                              |                                                     |
|------------------------------|-----------------------------------------------------|
| <b>Oleic acid (112-80-1)</b> |                                                     |
| LC50 – Fish [1]              | 205 mg/l (96 h, Pimephales promelas, Static system) |

|                                   |                                                                                                                                                 |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Propylene glycol (57-55-6)</b> |                                                                                                                                                 |
| LC50 – Fish [1]                   | 40613 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value)                                                          |
| ErC50 algae                       | 24200 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |

### 12.2 – Persistence and Degradability:

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| <b>Oleic acid (112-80-1)</b>  |                                                            |
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
| Chemical oxygen demand (COD)  | 2.25g O <sub>2</sub> /g substance                          |
| ThOD                          | 2.89g O <sub>2</sub> /g substance                          |
| BOD (% of ThOD)               | >0.5 (5 days(s), Literature study)                         |



| <b>2-acetylpyridine (1122-62-9)</b> |                                                |
|-------------------------------------|------------------------------------------------|
| Persistence and degradability       | Biodegradability in water: no data available.. |

| <b>Propylene glycol (57-55-6)</b> |                                                            |
|-----------------------------------|------------------------------------------------------------|
| Persistence and degradability     | Biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD)   | 0.96 – 1.08 g O <sub>2</sub> /g substance                  |
| Chemical oxygen demand (COD)      | 1.63 g O <sub>2</sub> /g substance                         |
| ThOD                              | 1.69 g O <sub>2</sub> /g substance                         |

**12.3 - Bioaccumulative Potential:**

| <b>Oleic acid (112-80-1)</b>                    |                    |
|-------------------------------------------------|--------------------|
| Partition coefficient n-octanol/water (Log Pow) | 5.24 – 7.18 (QSAR) |

| <b>2-acetylpyridine (1122-62-9)</b> |                                    |
|-------------------------------------|------------------------------------|
| Bioaccumulative potential           | No bioaccumulation data available. |

| <b>Propylene glycol (57-55-6)</b>               |                                                                          |
|-------------------------------------------------|--------------------------------------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -1.07 (Experimental value, EU Method A.8: Partition Coefficient, 20.5°C) |
| Bioaccumulative Potential                       | Not bioaccumulative                                                      |

**12.4 - Mobility in soil:**

| <b>Oleic acid (112-80-1)</b> |                        |
|------------------------------|------------------------|
| Surface tension              | 0.033 N/m (20°C)       |
| Ecology – soil               | Adsorbs into the soil. |

| <b>Propylene glycol (57-55-6)</b>                          |                                                              |
|------------------------------------------------------------|--------------------------------------------------------------|
| Surface tension                                            | 71.6 mN/m (21.5°C, 1.01 g/l, EU Method A.5: Surface tension) |
| Organic Carbon Normalised Adsorption Coefficient (Log Koc) | 0.46 (log Koc, Calculated value)                             |
| Ecology – soil                                             | Highly mobile in soil                                        |

**12.5 - Results of PBT and vPvB assessment:**

| <b>Component</b>           |                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Propylene glycol (57-55-6) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

**12.6 – Endocrine disrupting properties:**

No additional information available.

**12.7 – Other adverse effects**

No additional information available.

**13: Disposal Considerations:****13.1 – Waste treatment methods:**

Waste treatment methods: Dispose of contents / container in accordance with licensed collectors sorting instructions.

**14: Transport Information:**

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

**14.1 UN number**

UN-NO. (ADR): Not applicable

UN-NO. (IMDG): Not applicable

UN-NO. (IATA): Not applicable

UN-NO. (ADN): Not applicable

UN-NO. (RID): Not applicable

**14.2 UN proper shipping name**

Proper shipping name (ADR): Not applicable

Proper shipping name (IMDG): Not applicable

Proper shipping name (IATA): Not applicable

Proper shipping name (ADN): Not applicable

Proper shipping name (RID): Not applicable

**14.3 Transport hazard classes**

ADR: Transport hazard class (es) (ADR): Not applicable

IMDG: Transport hazard class (es) (IMDG): Not applicable

IATA: Transport hazard class (es) (IATA): Not applicable

AND: Transport hazard class (es) (ADN): Not applicable

RID: Transport hazard class (es) (RID): Not applicable

**14.4 Packing group**

Packing group (ADR): Not applicable

Packing group (IMDG): Not applicable

Packing group (IATA): Not applicable

Packing group (ADN): Not applicable

Packing group (RID): Not applicable

**14.5 Environmental hazards**

Dangerous for the environment: No

Marine pollutant: No

Other information: No supplementary information available

**14.6 – Special precautions for user:**

Overland transport: Not applicable



Transport by Sea: Not applicable

Air Transport: Not applicable

Inland waterway transport: Not applicable

Rail transport: Not applicable

#### 14.7 – Maritime transport in bulk according to IMO instructions

Not applicable.

#### 15: Regulatory Information:

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

###### 15.1.1 – EU regulations:

REACH Annex XVII (Restriction List): Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List): Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC): Contains no substance(s) listed on the REACH Candidate List.

PIC Regulation (Prior Informed Consent): Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals).

POP Regulation (Persistent Organic Pollutants): Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants).

Ozone Regulation (1005/2009): Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer).

Explosives Precursors Regulation (2019/1148): Contains no substance(s) listed on the Explosives Precursors Regulation (2019/1148 on the marketing and use of explosives precursors).

Drug Precursors Regulation (273/2004): Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).

###### 15.1.2 – National Regulations:

Germany

Water hazard class (WGK): Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV).

Hazardous Incident Ordinance (12. BImSchV): Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen: None of the components are listed

SZW-lijst van mutagene stoffen: None of the components are listed

SZW-lijst van reprotoxische stoffen - Borstvoeding: None of the components are listed

SZW-lijst van reprotoxische stoffen - Vruchtbaarheid: None of the components are listed

SZW-lijst van reprotoxische stoffen - Ontwikkeling: None of the components are listed

Denmark

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

Danish National Regulations: Pregnant / breastfeeding women working with the product must not be in direct contact with the product.

**15.2 – Chemical safety assessment:**

No chemical safety assessment has been carried out.

**16: Other Information:**

| <b>Abbreviations and acronyms</b> |                                                                                                 |
|-----------------------------------|-------------------------------------------------------------------------------------------------|
| ADN                               | European Agreement concerning the international carriage of dangerous goods by inland waterways |
| ADR                               | European Agreement concerning the international carriage of dangerous goods by road             |
| ATE                               | Acute toxicity Estimate                                                                         |
| BCF                               | Bio-concentration factor                                                                        |
| BLV                               | Biological limit value                                                                          |
| BOD                               | Biochemical oxygen demand (BOD)                                                                 |
| COD                               | Chemical oxygen demand (COD)                                                                    |
| DMEL                              | Derived minimal effect level                                                                    |
| DNEL                              | Derived-no effect level                                                                         |
| EC-No.                            | European community number                                                                       |
| EC50                              | Median effective concentration                                                                  |
| EN                                | European standard                                                                               |
| IARC                              | International Agency for research on Cancer                                                     |
| IATA                              | International Air Transport Association                                                         |
| IMDG                              | International Maritime Dangerous Goods                                                          |
| LC50                              | Median lethal concentration                                                                     |
| LD50                              | Median lethal dose                                                                              |
| LOAEL                             | Lowest Observed Adverse Effect Level                                                            |
| NOAEC                             | No-Observed Adverse Effect Concentration                                                        |
| NOAEL                             | No-Observed Adverse Effect Level                                                                |
| NOEC                              | No-Observed Effect Concentration                                                                |
| OECD                              | Organisation for Economic Co-operation and Development                                          |
| OEL                               | Occupational Exposure Limit                                                                     |
| PBT                               | Persistent Bio accumulative Toxic                                                               |
| PNEC                              | Predicted No-Effect Concentration                                                               |
| RID                               | Regulations concerning the international Carriage of Dangerous Goods by Rail                    |
| SDS                               | Safety Data Sheet                                                                               |
| STP                               | Sewage treatment plant                                                                          |
| ThOD                              | Theoretical oxygen demand (ThOD)                                                                |
| TLM                               | Median Tolerance Limit                                                                          |
| VOC                               | Volatile Organic Compounds                                                                      |
| CAS-No.                           | Chemical Abstract Service number                                                                |
| N.O.S.                            | Not Otherwise Specified                                                                         |
| vPvB                              | Very Persistent and Very Bio accumulative                                                       |
| ED                                | Endocrine disrupting properties                                                                 |

| <b>Full Text of H- and EUH-statements:</b> |                                                |
|--------------------------------------------|------------------------------------------------|
| Acute Tox. 3<br>(Inhalation: Vapour)       | Acute toxicity (inhalation: vapour) Category 3 |
| Acute Tox. 4 (Oral)                        | Acute toxicity (oral), Category 4              |
| EUH210                                     | Safety data sheet available on request.        |
| Flam. Liq. 2                               | Flammable liquids, Category 2                  |



|      |                                    |
|------|------------------------------------|
| H225 | Highly flammable liquid and vapour |
| H302 | Harmful if swallowed               |
| H331 | Toxic if inhaled.                  |

The information contained herein is to the best of our knowledge, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept any liability whatsoever, however arising, which results directly or indirectly from the use of the product.