

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

#### 1.1. Product identifier

Product form : Mixture  
 Trade name : Sealoflex Ultima TPO Primer  
 UFI : 5482-7QF4-AD05-8JVA

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
 Industrial/Professional use spec : For professional use only  
 Use of the substance/mixture : Impregnation agents

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

BMI Group Operations, SARL  
 Albert Borschette, 2B  
 P.O. Box 99137  
 1246 LUXEMBOURG  
 LUXEMBOURG  
 T +33254737072  
[bmi.sds@bmigroup.com](mailto:bmi.sds@bmigroup.com)

#### 1.4. Emergency telephone number

| Country        | Organisation/Company   | Address                                  | Emergency number   | Comment                              |
|----------------|--|--|--|--------------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                     | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |                                      |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH                   | 0344 892 0111  | Only for healthcare<br>professionals |

### SECTION 2: Hazards identification

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

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

|                                     |       |
|-------------------------------------|-------|
| Flam. Liq. 2                        | H225  |
| Acute Tox. 4 (Dermal)               | H312  |
| Acute Tox. 4 (Inhalation:dust,mist) | H332  |
| Skin Irrit. 2                       | H315  |
| Repr. 2                             | H361d |
| STOT SE 3                           | H336  |
| STOT RE 2                           | H373  |
| Asp. Tox. 1                         | H304  |

Full text of hazard classes, H- and EUH-statements: see section 16

# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. May be fatal if swallowed and enters airways.

## 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

Contains

Hazard statements (CLP)

Precautionary statements (CLP)

- :  
: Danger  
: toluene; xylene  
: H225 - Highly flammable liquid and vapour.  
H304 - May be fatal if swallowed and enters airways.  
H312+H332 - Harmful in contact with skin or if inhaled.  
H315 - Causes skin irritation.  
H336 - May cause drowsiness or dizziness.  
H361d - Suspected of damaging the unborn child.  
H373 - May cause damage to organs (respiratory tract) through prolonged or repeated exposure (inhalation).  
: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P280 - Wear protective gloves, protective clothing, eye protection.  
P301+P310+P331 - IF SWALLOWED: Immediately call a doctor. Do NOT induce vomiting.  
P260 - Do not breathe vapours.  
P233 - Keep container tightly closed.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P312 - Call doctor if you feel unwell.  
P501 - Dispose of contents and container to a hazardous or special waste collection point.

## 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

| Component          |   |
|--------------------|---|
| toluene (108-88-3) | 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 |
| xylene (1330-20-7) | 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 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 3.2. Mixtures

| Name   | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--|---|---------|---|
| toluene<br>substance with national workplace exposure limit(s) (IE, GB); substance with a Community workplace exposure limit     | CAS-No.: 108-88-3<br>EC-No.: 203-625-9<br>EC Index-No.: 601-021-00-3<br>REACH-no: 01-2119457273-39  | 40 – 60 | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Repr. 2, H361d<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304                                    |
| xylene<br>substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit (Note C) | CAS-No.: 1330-20-7<br>EC-No.: 215-535-7<br>EC Index-No.: 601-022-00-9<br>REACH-no: 01-2119455851-35 | 40 – 60 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight)<br>Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h)<br>Skin Irrit. 2, H315 |

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. Call a physician immediately.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Call a poison center or a doctor if you feel unwell.                         |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Rinse with water. Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.   |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Do not induce vomiting. Call a physician immediately.   |

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

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects                    | : Suspected of damaging fertility or the unborn child. Causes damage to organs. May cause drowsiness or dizziness.                    |
| Symptoms/effects after inhalation   | : Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Causes skin irritation. Irritation.   |
| Symptoms/effects after ingestion    | : Risk of lung oedema.  |

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

Treat symptomatically.

## 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.                     |

# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 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 : Toxic fumes may be released.

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## 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

- Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. No open flames, no sparks, and no smoking. Do not breathe vapours. Avoid contact with skin, eyes and clothing.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

- Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. For further information refer to section 13.

## 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 : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.
- Hygiene measures : Wash hands, forearms and face thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

|                        |  |
|------------------------|--|
| Technical measures     | : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.   |
| Storage conditions     | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep in fireproof place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. |
| Incompatible products  | : Strong bases. Strong acids.  |
| Incompatible materials | : Sources of ignition. Direct sunlight. Heat sources.  |
| Storage temperature    | : 10 – 30 °C   |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| toluene (108-88-3)                                   |  |
|--|--|
| <b>Ireland - Occupational Exposure Limits</b>        |  |
| Local name   | Toluene  |
| OEL TWA [1]  | 192 mg/m <sup>3</sup>  |
| OEL TWA [2]  | 50 ppm   |
| OEL STEL   | 384 mg/m <sup>3</sup>  |
| OEL STEL [ppm]                                       | 100 ppm  |
| Remark   | Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)   |
| Regulatory reference                                 | Chemical Agents Code of Practice 2021  |
| <b>Ireland - Biological limit values</b>             |  |
| Local name   | Toluene  |
| BMGV   | 0.02 mg/l Parameter: toluene - Medium: blood - Sampling time: Prior to last shift of workweek<br>0.03 mg/l Parameter: toluene - Medium: urine - Sampling time: End of shift<br>0.3 mg/g creatinine Parameter: o-cresol - Medium: urine - Sampling time: End of shift - Notations: B (Background) |
| Regulatory reference                                 | Biological Monitoring Guidelines (HSA, 2011)   |
| <b>United Kingdom - Occupational Exposure Limits</b> |  |
| Local name   | Toluene  |
| WEL TWA (OEL TWA) [1]                                | 191 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]                                | 50 ppm   |
| WEL STEL (OEL STEL)                                  | 384 mg/m <sup>3</sup>  |
| WEL STEL (OEL STEL) [ppm]                            | 100 ppm  |
| Remark   | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)  |
| Regulatory reference                                 | EH40/2005 (Fourth edition, 2020). HSE  |

# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### xylene (1330-20-7)

#### United Kingdom - Occupational Exposure Limits

|                           |                       |
|---------------------------|-----------------------|
| WEL TWA (OEL TWA) [1]     | 220 mg/m <sup>3</sup> |
| WEL TWA (OEL TWA) [2]     | 50 ppm                |
| WEL STEL (OEL STEL)       | 441 mg/m <sup>3</sup> |
| WEL STEL (OEL STEL) [ppm] | 100 ppm               |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

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

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

##### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses. Safety glasses

#### Eye protection

| Type           | Field of application | Characteristics   | Standard |
|----------------|----------------------|-------------------|----------|
| Safety glasses | Droplet              | With side shields | EN 166   |

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

#### Skin and body protection

| Type                  | Standard         |
|-----------------------|------------------|
| Tyvek® Gown/Coveralls | EN 1073, EN 1149 |

##### Hand protection:

Wear protective gloves.

# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Hand protection   |                      |                   |                |             |                    |
|-------------------|----------------------|-------------------|----------------|-------------|--------------------|
| Type              | Material             | Permeation        | Thickness (mm) | Penetration | Standard           |
| Disposable gloves | Nitrile rubber (NBR) | 4 (> 120 minutes) | 0.38           |             | EN 374-2, EN 374-3 |

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. [In case of inadequate ventilation] wear respiratory protection.

| Respiratory protection |  |  |          |
|------------------------|--|--|----------|
| Device                 | Filter type                                      | Condition                              | Standard |
| Reusable half mask     | Type A - High-boiling (>65 °C) organic compounds | Short term exposure, Vapour protection | EN 14387 |

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### 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                              |
| Colour  | : Colourless.                         |
| Odour   | : aromatic.                           |
| Odour threshold                                 | : Not available                       |
| Melting point                                   | : Not applicable                      |
| Freezing point                                  | : Not available                       |
| Boiling point                                   | : ≈ 110 °C                            |
| Flammability                                    | : Highly flammable liquid and vapour. |
| Explosive limits                                | : 1.1 – 8.1 vol %                     |
| Lower explosion limit                           | : Not available                       |
| Upper explosion limit                           | : Not available                       |
| Flash point                                     | : ≈ 4 °C                              |
| Auto-ignition temperature                       | : Not available                       |
| Decomposition temperature                       | : Not available                       |
| pH  | : Not available                       |
| Viscosity, kinematic                            | : < 2 mm <sup>2</sup> /s              |
| Viscosity, dynamic                              | : < 2 mPa.s                           |
| Solubility                                      | : Not available                       |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                       |
| Vapour pressure                                 | : Not available                       |
| Vapour pressure at 50°C                         | : Not available                       |
| Density   | : 0.87 g/cm <sup>3</sup>              |
| 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

Explosion limits : 1.1 – 8.1 vol %

# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 9.2.2. Other safety characteristics

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

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Harmful in contact with skin.  
Acute toxicity (inhalation) : Harmful if inhaled.

| Sealoflex Ultima TPO Primer     |   |
|---------------------------------|---|
| ATE CLP (dermal)                | 1833.333 mg/kg bodyweight   |
| ATE CLP (dust,mist)             | 2.5 mg/l/4h   |
| toluene (108-88-3)              |   |
| LD50 oral rat                   | 5580 mg/kg bodyweight (Equivalent or similar to EU B.1, Rat, Male, Experimental Value, Oral, 7 day(s))                      |
| LD50 dermal rabbit              | > 5000 mg/kg bodyweight (24 h, Rabbit, Male, Experimental Value, Dermal)  |
| LC50 Inhalation - Rat           | 28.1 mg/l air (Equivalent or similar to OECD Guideline 403, 4 h, Rat, Male/Female, Experimental Value, Inhalation (vapors)) |
| xylene (1330-20-7)              |   |
| LD50 oral rat                   | 4.3 g/kg  |
| LD50 dermal rabbit              | 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male   |
| LC50 Inhalation - Rat           | 29.09 mg/l (Equivalent or similar to EU Method B.2, 4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))    |
| LC50 Inhalation - Rat [ppm]     | 6670 ppm/4h   |
| LC50 Inhalation - Rat (Vapours) | 4.99 mg/l/4h  |

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Not classified



# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                   |  |
|-----------------------------------|--|
| 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                   | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met |
| Reproductive toxicity             | : Suspected of damaging the unborn child.                          |
| STOT-single exposure              | : May cause drowsiness or dizziness.                               |

### toluene (108-88-3)

|                        |   |
|------------------------|---|
| STOT-single exposure   | May cause drowsiness or dizziness.  |
| STOT-repeated exposure | : May cause damage to organs (respiratory tract) through prolonged or repeated exposure (inhalation). |

### toluene (108-88-3)

|  |  |
|--|--|
| LOAEL (oral, rat, 90 days)               | 1250 mg/kg bodyweight Animal: mouse, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (oral, rat, 90 days)               | 625 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)    |
| NOAEC (inhalation, rat, vapour, 90 days) | 2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)   |
| STOT-repeated exposure                   | May cause damage to organs through prolonged or repeated exposure.   |

### xylene (1330-20-7)

|                            |   |
|----------------------------|---|
| LOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) |
| Aspiration hazard          | : May be fatal if swallowed and enters airways.   |
| Additional information     | : Based on available data, the classification criteria are not met  |

### Sealoflex Ultima TPO Primer

|                      |                        |
|----------------------|------------------------|
| Viscosity, kinematic | < 2 mm <sup>2</sup> /s |
|----------------------|------------------------|

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No additional information available

### 11.2.2. Other information

Potential adverse human health effects and symptoms : Harmful if inhaled.

## SECTION 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 (Based on available data, the classification criteria are not met)                                     |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified (Based on available data, the classification criteria are not met)                                     |
| Not rapidly degradable                                    |   |

### toluene (108-88-3)

|                 |   |
|-----------------|---|
| LC50 - Fish [1] | 5.5 mg/l (96 h, Oncorhynchus kisutch, Current system, Fresh water (unsalted), Experimental value, Lethal) |
|-----------------|---|

# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| <b>toluene (108-88-3)</b> |  |
|---------------------------|--|
| LOEC (chronic)            | 2.76 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'   |
| NOEC (chronic)            | 0.74 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'   |
| NOEC chronic fish         | 1.39 mg/l Test organisms (species): Oncorhynchus kisutch Duration: '40 d'  |
| <b>xylene (1330-20-7)</b> |  |
| LC50 - Fish [1]           | 2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)  |
| EC50 - Crustacea [1]      | > 3.4 mg/l Test organisms (species): Ceriodaphnia dubia  |
| ErC50 algae               | 4.36 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |
| NOEC chronic fish         | > 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'                                     |

### 12.2. Persistence and degradability

| <b>Sealoflex Ultima TPO Primer</b> |   |
|------------------------------------|---|
| Persistence and degradability      | Not established.  |
| <b>toluene (108-88-3)</b>          |   |
| Persistence and degradability      | Easily biodegradable in water.                            |
| Biochemical oxygen demand (BOD)    | 2.15 g O <sub>2</sub> /g substance                        |
| Chemical oxygen demand (COD)       | 2.52 g O <sub>2</sub> /g substance                        |
| ThOD                               | 3.13 g O <sub>2</sub> /g substance                        |
| <b>xylene (1330-20-7)</b>          |   |
| Persistence and degradability      | Biodegradable in the soil. Easily biodegradable in water. |

### 12.3. Bioaccumulative potential

| <b>Sealoflex Ultima TPO Primer</b>              |  |
|---|--|
| Bioaccumulative potential                       | Not established.   |
| <b>toluene (108-88-3)</b>                       |  |
| BCF - Fish [1]                                  | 90 (72 h, Leuciscus idus, Static system, Fresh water (unsalted), Experimental value) |
| Partition coefficient n-octanol/water (Log Pow) | 2.73 (Experimental value, 20 °C)   |
| Bioaccumulative potential                       | slightly bioaccumulative.  |
| <b>xylene (1330-20-7)</b>                       |  |
| BCF - Fish [1]                                  | 7.4 – 18.5   |
| Partition coefficient n-octanol/water (Log Pow) | 3.16   |
| Bioaccumulative potential                       | Low potential for bioaccumulation (FCB <500).  |

### 12.4. Mobility in soil

| <b>toluene (108-88-3)</b>                                  |                                 |
|--|---------------------------------|
| Surface tension  | 27.73 N/m (25 °C, 0.05 %)       |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.3 (log Koc, Calculated value) |

# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| toluene (108-88-3)   |   |
|--|---|
| Ecology - soil   | Taking into account the physical and chemical properties, the product spreads generally little in the soil. |
| xylene (1330-20-7)   |   |
| Surface tension  | 28.01 – 29.76 mN/m (25 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)  |
| Ecology - soil   | Low potential for soil adsorption. May be harmful to plant growth, blooming and fruit formation.            |

### 12.5. Results of PBT and vPvB assessment

| Component          |   |
|--------------------|---|
| toluene (108-88-3) | 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 |
| xylene (1330-20-7) | 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

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.   |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. 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. Flammable vapours may accumulate in the container.  |
| Ecology - waste materials                  | : Avoid release to the environment.   |

## SECTION 14: Transport information






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

| ADR  | IMDG  | IATA  | ADN   | RID   |
|--|---|---|---|---|
| 14.1. UN number or ID number                                       |   |   |   |   |
| UN 1993  | UN 1993   | UN 1993   | UN 1993   | UN 1993   |
| 14.2. UN proper shipping name                                      |   |   |   |   |
| FLAMMABLE LIQUID, N.O.S.   | FLAMMABLE LIQUID, N.O.S.                                    | Flammable liquid, n.o.s.                                    | FLAMMABLE LIQUID, N.O.S.                                    | FLAMMABLE LIQUID, N.O.S.                                    |
| Transport document description                                     |   |   |   |   |
| UN 1993 FLAMMABLE LIQUID, N.O.S. (toluene ; xylene), 3, III, (D/E) | UN 1993 FLAMMABLE LIQUID, N.O.S. (toluene ; xylene), 3, III | UN 1993 Flammable liquid, n.o.s. (toluene ; xylene), 3, III | UN 1993 FLAMMABLE LIQUID, N.O.S. (toluene ; xylene), 3, III | UN 1993 FLAMMABLE LIQUID, N.O.S. (toluene ; xylene), 3, III |

# Sealoflex Ultima TPO Primer


## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ADR   | IMDG  | IATA  | ADN   | RID   |
|---|---|---|---|---|
| <b>14.3. Transport hazard class(es)</b>   |   |   |   |   |
| 3   | 3   | 3   | 3   | 3   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>  |   |   |   |   |
| III   | III   | III   | III   | III   |
| <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)                                 | : F1  |
| Special provisions (ADR)                                  | : 274, 601  |
| Limited quantities (ADR)                                  | : 5I  |
| Excepted quantities (ADR)                                 | : E1  |
| Packing instructions (ADR)                                | : P001, IBC03, LP01, R001   |
| Mixed packing provisions (ADR)                            | : MP19  |
| Portable tank and bulk container instructions (ADR)       | : T4  |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP29   |
| Tank code (ADR)   | : LGBF  |
| Vehicle for tank carriage                                 | : FL  |
| Transport category (ADR)                                  | : 3   |
| Special provisions for carriage - Packages (ADR)          | : V12   |
| Special provisions for carriage - Operation (ADR)         | : S2  |
| Hazard identification number (Kemler No.)                 | : 30  |
| Orange plates   | :  |

|                               |        |
|-------------------------------|--------|
| Tunnel restriction code (ADR) | : D/E  |
| EAC code                      | : •3YE |

#### Transport by sea

|                                 |                 |
|---------------------------------|-----------------|
| Special provisions (IMDG)       | : 223, 274, 955 |
| Limited quantities (IMDG)       | : 5 L           |
| Excepted quantities (IMDG)      | : E1            |
| Packing instructions (IMDG)     | : LP01, P001    |
| IBC packing instructions (IMDG) | : IBC03         |
| Tank instructions (IMDG)        | : T4            |
| Tank special provisions (IMDG)  | : TP1, TP29     |
| EmS-No. (Fire)                  | : F-E           |
| EmS-No. (Spillage)              | : S-E           |
| Stowage category (IMDG)         | : A             |

#### Air transport

|  |        |
|--|--------|
| PCA Excepted quantities (IATA)               | : E1   |
| PCA Limited quantities (IATA)                | : Y344 |
| PCA limited quantity max net quantity (IATA) | : 10L  |

# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

PCA packing instructions (IATA) : 355  
PCA max net quantity (IATA) : 60L  
CAO packing instructions (IATA) : 366  
CAO max net quantity (IATA) : 220L  
Special provisions (IATA) : A3  
ERG code (IATA) : 3L

### Inland waterway transport

Classification code (ADN) : F1  
Special provisions (ADN) : 274, 601  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP, EX, A  
Ventilation (ADN) : VE01  
Number of blue cones/lights (ADN) : 0

### Rail transport

Classification code (RID) : F1  
Special provisions (RID) : 274, 601  
Limited quantities (RID) : 5L  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P001, R001  
Mixed packing provisions (RID) : MP19  
Transport category (RID) : 3  
Colis express (express parcels) (RID) : CE4  
Hazard identification number (RID) : 33

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

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

##### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |               |
|--|---------------|
| Reference code                         | Applicable on |
| 48.                                    | toluene       |

##### 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 in concentrations  $\geq$  0.1% or SCL

##### 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)

##### VOC Directive (2004/42)

Organic solvent : Yes

# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Explosives Precursors Regulation (2019/1148)

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

### Drug Precursors Regulation (273/2004)

Contains 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)

| Name    | CN designation | CAS-No.  | CN code    | Category   | Threshold | Annex   |
|---------|----------------|----------|------------|------------|-----------|---------|
| Toluene |                | 108-88-3 | 2902 30 00 | Category 3 |           | Annex I |

### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Indication of changes |                  |          |          |
|-----------------------|------------------|----------|----------|
| Section               | Changed item     | Change   | Comments |
|                       | Supersedes       | Modified |          |
|                       | Revision date    | Modified |          |
| 15.1                  | REACH Annex XVII | Added    |          |

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| 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                         | Bioconcentration 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  |

# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| NOEC                        | No-Observed Effect Concentration   |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| PBT                         | Persistent Bioaccumulative 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 Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

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 (Dermal)               | Acute toxicity (dermal), Category 4                                |
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4                                |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4                   |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                      |
| Flam. Liq. 2                        | Flammable liquids, Category 2                                      |
| Flam. Liq. 3                        | Flammable liquids, Category 3                                      |
| H225                                | Highly flammable liquid and vapour.                                |
| H226                                | Flammable liquid and vapour.                                       |
| H304                                | May be fatal if swallowed and enters airways.                      |
| H312                                | Harmful in contact with skin.                                      |
| H315                                | Causes skin irritation.  |
| H332                                | Harmful if inhaled.  |
| H336                                | May cause drowsiness or dizziness.                                 |
| H361d                               | Suspected of damaging the unborn child.                            |
| H373                                | May cause damage to organs through prolonged or repeated exposure. |
| Repr. 2                             | Reproductive toxicity, Category 2                                  |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                              |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2     |

# Sealoflex Ultima TPO Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Full text of H- and EUH-statements:

|           |  |
|-----------|--|
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |
|-----------|--|

Safety Data Sheet (SDS), EU

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.