

# 77690 - Synthetic Heat Transfer Oil 25

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 27/01/2017 Revision date: 11/07/2023 Supersedes version of: 05/06/2020 Version: 2.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : 77690 - Synthetic Heat Transfer Oil 25  
Product code : 77690

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Function or use category : Heat transfer agents

##### 1.2.2. Uses advised against

No additional information available

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

Transnational Blenders bv  
Wieldrechtseweg, 37  
NL- 3316 BG Dordrecht – Netherlands Zuid Holland  
Netherlands  
T +31 (0)78 6527652  
[technical@tnb.nl](mailto:technical@tnb.nl) - [www.tnb.nl](http://www.tnb.nl)

#### 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) |         |

### SECTION 2: Hazards identification

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

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

Not classified

##### Adverse physicochemical, 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 and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH 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 substance(s) are 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 %

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### SECTION 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] |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------|
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based substance with national workplace exposure limit(s) (BE, BG, CZ, DK, ES, FI, GR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SK, IS, NO, CH); substance with a Community workplace exposure limit | CAS-No.: 72623-86-0<br>EC-No.: 276-737-9<br>EC Index-No.: 649-482-00-X<br>REACH-no: 01-2119474878-16 | ≥ 75 – < 90 | Asp. Tox. 1, H304                                               |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil substance with a Community workplace exposure limit                                                                                                                                             | CAS-No.: 72623-87-1<br>EC-No.: 276-738-4<br>EC Index-No.: 649-483-00-5<br>REACH-no: 01-2119474889-13 | ≥ 15 – < 25 | Asp. Tox. 1, H304                                               |

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 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 effects, both acute and delayed

No additional information available

#### 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.                |
| Unsuitable extinguishing media | : Do not use a water jet since it may cause the fire to spread. |

#### 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

|                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Precautionary measures fire    | : Exercise caution when fighting any chemical fire.                                                                                      |
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers.                                                                                 |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

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### SECTION 6: Accidental release measures

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

General measures : Avoid spilling the product, as this might cause falls.

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

Protective equipment : Wear recommended personal protective equipment.

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

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

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.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Ensure good ventilation of the work station. Wear personal protective equipment.

Handling temperature :  $\leq 40\text{ }^{\circ}\text{C}$

Hygiene measures : 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

Technical measures : Provide local exhaust or general room ventilation.

Storage conditions : Keep only in original container. Store in a well-ventilated place. Keep cool.

Storage temperature :  $\leq 40\text{ }^{\circ}\text{C}$

Storage area : Store in a well-ventilated place. Store away from heat.

Special rules on packaging : Keep only in original container. Store in a closed container.

#### 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

###### Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)

###### EU - Indicative Occupational Exposure Limit (IOEL)

|          |                     |
|----------|---------------------|
| IOEL TWA | 5 mg/m <sup>3</sup> |
|----------|---------------------|

###### Ireland - Occupational Exposure Limits

|             |                                |
|-------------|--------------------------------|
| OEL TWA [2] | 5 ppm Form: Inhalable fraction |
|-------------|--------------------------------|

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### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)

#### EU - Indicative Occupational Exposure Limit (IOEL)

|           |                      |
|-----------|----------------------|
| IOEL TWA  | 5 mg/m <sup>3</sup>  |
| IOEL STEL | 10 mg/m <sup>3</sup> |

#### 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:

Safety glasses

#### Eye protection

| Type           | Field of application | Characteristics | Standard |
|----------------|----------------------|-----------------|----------|
| Safety glasses | Droplet              | clear           | EN 166   |

##### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

#### Hand protection

| Type | Material                                        | Permeation        | Thickness (mm) | Penetration | Standard   |
|------|-------------------------------------------------|-------------------|----------------|-------------|------------|
|      | Nitrile rubber (NBR),<br>Neoprene rubber (HNBR) | 5 (> 240 minutes) | 0.7            | 3 (> 0.65)  | EN ISO 374 |
|      | Polyvinylchloride (PVC)                         | 2 (> 30 minutes)  | 0.4            | 3 (> 0.65)  | EN ISO 374 |

##### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                                                 |                                               |
|-------------------------------------------------|-----------------------------------------------|
| Physical state                                  | : Liquid                                      |
| Colour                                          | : Colourless.                                 |
| Odour                                           | : Not available                               |
| Odour threshold                                 | : Not available                               |
| Melting point                                   | : Not applicable                              |
| Freezing point                                  | : -21 °C (ASTM D7346)                         |
| Boiling point                                   | : Not available                               |
| Flammability                                    | : Non flammable.                              |
| Lower explosion limit                           | : Not available                               |
| Upper explosion limit                           | : Not available                               |
| Flash point                                     | : 230 °C (ASTM D92)                           |
| Auto-ignition temperature                       | : Not available                               |
| Decomposition temperature                       | : Not available                               |
| pH                                              | : Not available                               |
| Viscosity, kinematic                            | : 23.4 mm <sup>2</sup> /s @ 40°C (ASTM D7042) |
| Solubility                                      | : insoluble in water.                         |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                               |
| Vapour pressure                                 | : Not available                               |
| Vapour pressure at 50°C                         | : Not available                               |
| Density                                         | : 838 kg/m <sup>3</sup> @ 15°C (ASTM D4052)   |
| 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

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The 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

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### 10.6. Hazardous decomposition products

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

## SECTION 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 |

#### Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)

|                                             |                                                      |
|---------------------------------------------|------------------------------------------------------|
| LD50 oral (rat)                             | > 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test |
| LD50 dermal (rabbit)                        | > 5000 mg/kg 402 Acute Dermal Toxicity Test          |
| LC50 inhalation (rat) (mg/l)                | 5.53 mg/l 403 Acute Inhalation Toxicity              |
| LC50 inhalation (rat) (Dust/Mist - mg/l/4h) | > 5.53 mg/l/4h 403 Acute Inhalation Toxicity Test    |

#### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)

|                                             |                |
|---------------------------------------------|----------------|
| LD50 oral (rat)                             | > 5000 mg/kg   |
| LD50 dermal (rabbit)                        | > 2000 mg/kg   |
| LC50 inhalation (rat) (Dust/Mist - mg/l/4h) | > 5.53 mg/l/4h |

|                                   |                  |
|-----------------------------------|------------------|
| Skin corrosion/irritation         | : Not classified |
| Serious eye damage/irritation     | : Not classified |
| 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 |

#### Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)

|                            |                      |
|----------------------------|----------------------|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight |
|----------------------------|----------------------|

#### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)

|                            |                          |
|----------------------------|--------------------------|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight/day |
|----------------------------|--------------------------|

|                   |                  |
|-------------------|------------------|
| Aspiration hazard | : Not classified |
|-------------------|------------------|

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|                      |                                             |
|----------------------|---------------------------------------------|
| Viscosity, kinematic | 23.4 mm <sup>2</sup> /s @ 40°C (ASTM D7042) |
|----------------------|---------------------------------------------|

#### Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)

|                      |                              |
|----------------------|------------------------------|
| Viscosity, kinematic | 2978 mm <sup>2</sup> /s 40°C |
|----------------------|------------------------------|

#### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)

|                      |                       |
|----------------------|-----------------------|
| Viscosity, kinematic | 47 mm <sup>2</sup> /s |
|----------------------|-----------------------|

### 11.2. Information on other hazards

No additional information available

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### 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                                                                                                        |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified                                                                                                        |
| Not rapidly degradable                                    |                                                                                                                         |

#### Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)

|                        |                                                  |
|------------------------|--------------------------------------------------|
| LC50 - Fish [1]        | > 100 mg/l Pimephales promelas                   |
| EC50 - Crustacea [1]   | > 10000 mg/l Daphnia magna                       |
| NOEC chronic fish      | 1000 mg/l Oncorhynchus mykiss (14d)              |
| NOEC chronic crustacea | 10 mg/l Daphnia magna (21d)                      |
| NOEC chronic algae     | ≥ 100 mg/l Pseudokirchneriella subcapitata (72h) |

#### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)

|                        |                                                |
|------------------------|------------------------------------------------|
| LC50 - Fish [1]        | > 100 mg/l Pimephales promelas                 |
| EC50 - Crustacea [1]   | > 10000 Daphnia magna                          |
| NOEC chronic fish      | 1000 mg/l Oncorhynchus mykiss (14d)            |
| NOEC chronic crustacea | 10 mg/l Daphnia magna (21d)                    |
| NOEC chronic algae     | 100 mg/l Pseudokirchneriella subcapitata (72h) |

#### 12.2. Persistence and degradability

#### Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation                | 31 % 28 d OECD 301F        |

#### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)

|                |      |
|----------------|------|
| Biodegradation | 31 % |
|----------------|------|

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

#### Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)

|                |                        |
|----------------|------------------------|
| Ecology - soil | Adsorbs into the soil. |
|----------------|------------------------|

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

No additional information available

#### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
HP Code : HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.

### SECTION 14: Transport information

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

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|-----------------------------------------|----------------|----------------|----------------|----------------|
| <b>14.1. UN number or ID number</b>     |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| 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 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)

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

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### 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 list (Regulation EU 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

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 |          |
|                       | Flammability (solid, gas)                                       | Added    |          |
| 2.1                   | Adverse physicochemical, human health and environmental effects | Added    |          |
| 3                     | Composition/information on ingredients                          | Modified |          |
| 4.1                   | First-aid measures after skin contact                           | Added    |          |
| 4.1                   | First-aid measures after inhalation                             | Added    |          |
| 4.1                   | First-aid measures after ingestion                              | Added    |          |
| 4.1                   | First-aid measures after eye contact                            | Added    |          |
| 4.3                   | Other medical advice or treatment                               | Added    |          |
| 5.1                   | Suitable extinguishing media                                    | Added    |          |
| 5.2                   | Hazardous decomposition products in case of fire                | Added    |          |
| 5.3                   | Protection during firefighting                                  | Added    |          |
| 6.1                   | General measures                                                | Added    |          |
| 6.1                   | Protective equipment                                            | Added    |          |
| 6.1                   | Emergency procedures                                            | Added    |          |
| 6.2                   | Environmental precautions                                       | Added    |          |

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| Indication of changes |                                     |          |          |
|-----------------------|-------------------------------------|----------|----------|
| Section               | Changed item                        | Change   | Comments |
| 6.3                   | Other information                   | Added    |          |
| 6.3                   | Methods for cleaning up             | Added    |          |
| 6.4                   | Reference to other sections (8, 13) | Added    |          |
| 7.1                   | Hygiene measures                    | Added    |          |
| 7.1                   | Precautions for safe handling       | Added    |          |
| 7.2                   | Storage conditions                  | Added    |          |
| 8.2                   | Environmental exposure controls     | Added    |          |
| 8.2                   | Personal protective equipment       | Modified |          |
| 8.2                   | Respiratory protection              | Added    |          |
| 8.2                   | Hand protection                     | Added    |          |
| 8.2                   | Eye protection                      | Added    |          |
| 8.2                   | Appropriate engineering controls    | Added    |          |
| 8.2                   | Skin and body protection            | Added    |          |
| 9.1                   | Flash point                         | Modified |          |
| 9.1                   | Melting point                       | Added    |          |
| 9.1                   | Freezing point                      | Modified |          |
| 9.1                   | Viscosity, kinematic                | Modified |          |
| 9.1                   | Density                             | Modified |          |
| 10.1                  | Reactivity                          | Added    |          |
| 10.2                  | Chemical stability                  | Added    |          |
| 10.3                  | Possibility of hazardous reactions  | Added    |          |
| 10.4                  | Conditions to avoid                 | Added    |          |
| 10.6                  | Hazardous decomposition products    | Added    |          |
| 12.1                  | Ecology - general                   | Added    |          |
| 13.1                  | Waste treatment methods             | Added    |          |
| 15.2                  | Chemical safety assessment          | Added    |          |
| 16                    | Abbreviations and acronyms          | 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                                                                         |

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

| Full text of H- and EUH-statements: |                                               |
|-------------------------------------|-----------------------------------------------|
| Asp. Tox. 1                         | Aspiration hazard, Category 1                 |
| EUH210                              | Safety data sheet available on request.       |
| H304                                | May be fatal if swallowed and enters airways. |

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.