



# QUANTUM® ATF IID

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 6/1/2017 Supersedes: 3/17/2016

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

#### 1.1. Product identifier

|                 |                                |
|-----------------|--------------------------------|
| Product form    | : Mixture                      |
| Product name    | : QUANTUM® ATF IID             |
| Product code    | : T9                           |
| Type of product | : Transmission Oils,Lubricants |
| Synonyms        | : Transmission Oils            |
| Product group   | : Blend                        |

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

##### 1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use,Professional use

Industrial/Professional use spec : Distribution  
Formulation & (re)packing of substances and mixtures  
Used in closed systems  
Transmission Oils.

Function or use category : Functional Fluids

##### 1.2.2. Uses advised against

Restrictions on use : Comply with instructions for use (refer to technical sheet)

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

##### Supplier

QUANTUM LUBRICANTS

G. Karamichalis & CO EE

35 D. Gounari Str.

165 62 Glyfada - Greece

T + 30 210 963 85 10

[quantum@quantum-oils.com](mailto:quantum@quantum-oils.com) - <http://www.quantum-oils.com>

#### 1.4. Emergency telephone number

Emergency number : Unified emergency number: +30 210 7793777

### SECTION 2: Hazards identification

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

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

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

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

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

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

|                                    |   |
|------------------------------------|---|
| Signal word (CLP)                  | : -   |
| Hazard statements (CLP)            | : H412 - Harmful to aquatic life with long lasting effects  |
| Precautionary statements (CLP)     | : P101 - If medical advice is needed, have product container or label at hand<br>P102 - Keep out of reach of children<br>P273 - Avoid release to the environment<br>P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation |
| EUH-statements                     | : EUH210 - Safety data sheet available on request   |
| Security closing plug for children | : Not applicable  |
| Tactile warning                    | : Not applicable  |

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### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

## 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]  |
|--|--|---------|--|
| Distillates (petroleum), hydrotreated heavy paraffinic                             | (CAS-No.) 64742-54-7<br>(EC-No.) 265-157-1<br>(REACH-no) 01-2119484627-25-0035; 01-2119484627-25-0025; 01-2119471299-27-0019 | 70 - 75 | Expl. Not classified   |
| Distillates (petroleum), hydrotreated light naphthenic                             | (CAS-No.) 64742-53-6<br>(EC-No.) 265-156-6<br>(REACH-no) 01-2119480375-34-0012   | < 30    | Asp. Tox. 1, H304  |
| Bis(nonylphenyl)amine  | (CAS-No.) 36878-20-3<br>(EC-No.) 253-249-4<br>(REACH-no) 01-2119488911-28  | < 0.85  | Aquatic Chronic 4, H413  |
| Reaction products of an alkylthioalcohol and substituted phosphorous compounds     | (CAS-No.) -<br>(EC-No.) 424-820-7<br>(REACH-no) 01-0000017126-75   | < 0.2   | Acute Tox. 4 (Dermal), H312<br>Skin Corr. 1, H314<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 (M=10) |
| Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11 branched alkyloxy) derivs., C10-rich | (CAS-No.) 398141-87-2<br>(EC-No.) 800-172-4<br>(REACH-no) 01-2119969520-35   | < 0.2   | Aquatic Chronic 2, H411  |

Comments : Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Not available REACH number or substance is not currently required for registration under REACH

Full text of H-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.

First-aid measures after inhalation : Give oxygen or artificial respiration if necessary. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.

First-aid measures after skin contact : Wash skin with plenty of water. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation : May cause drowsiness or dizziness. May cause headache, nausea and irritation of respiratory tract.

Symptoms/effects after skin contact : Contact during a long period may cause light irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : May cause slight irritation. redness, itching, tears.

Symptoms/effects after ingestion : Ingestion may cause nausea and vomiting. Risk of lung oedema.

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

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

Fire hazard : In case of fire and/or explosion do not breathe fumes.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

Precautionary measures fire : Evacuate area. Eliminate all ignition sources if safe to do so.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.  
Other information : On exposure to high temperature, may decompose, releasing toxic gases.

### SECTION 6: Accidental release measures

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

General measures : Clean up any spills as soon as possible, using an absorbent material to collect it. Eliminate every possible source of ignition.

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

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing mist, vapours.

##### 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".  
Emergency procedures : Ventilate area. Stop release. Cover spill with non combustible material, e.g.: sand/earth. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Evacuate unnecessary personnel.

#### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Collect spillage.  
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 : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing mist, vapours. Wear personal protective equipment.  
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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 : Comply with applicable regulations.  
Storage conditions : Store in a well-ventilated place. Keep cool.  
Incompatible products : Oxidizing agent.  
Incompatible materials : Sources of ignition.

#### 7.3. Specific end use(s)

Product information.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) |                                 |                      |
|---|---------------------------------|----------------------|
| EU  | IOELV TWA (mg/m <sup>3</sup> )  | 5 mg/m <sup>3</sup>  |
| EU  | IOELV STEL (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup> |

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| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) |                                 |                      |
|---|---------------------------------|----------------------|
| EU  | IOELV TWA (mg/m <sup>3</sup> )  | 5 mg/m <sup>3</sup>  |
| EU  | IOELV STEL (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup> |

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protective equipment:

Gloves. Protective clothing. Protective goggles.

#### Hand protection:

protective gloves: neoprene gloves, PVA. Chemical resistant PVC gloves (to European standard EN 374 or equivalent). EN 420

#### Eye protection:

Safety glasses. EN 166. EN 168

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. EN 405



#### 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                                     | : brown.                            |
| Odour                                      | : characteristic.                   |
| Odour threshold                            | : No data available                 |
| pH   | : No data available                 |
| Relative evaporation rate (butylacetate=1) | : No data available                 |
| Melting point                              | : Not applicable                    |
| Freezing point                             | : -40 °C                            |
| Boiling point                              | : > 315 °C                          |
| Flash point                                | : 165 °C                            |
| Auto-ignition temperature                  | : > 315 °C                          |
| Decomposition temperature                  | : No data available                 |
| Flammability (solid, gas)                  | : Not applicable                    |
| Vapour pressure                            | : < 10 Pa                           |
| Relative vapour density at 20 °C           | : > 1                               |
| Relative density                           | : No data available                 |
| Density                                    | : 0.875 g/ml                        |
| Solubility                                 | : soluble in most organic solvents. |
| Log Pow                                    | : No data available                 |
| Viscosity, kinematic                       | : 34.5 cSt @40°C                    |
| Viscosity, dynamic                         | : No data available                 |
| Explosive properties                       | : Not applicable.                   |
| Oxidising properties                       | : Not applicable.                   |
| Explosive limits                           | : No data available                 |

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### 9.2. Other information

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

### 10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

### 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 toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) |   |
|---|---|
| LD50 oral rat   | > 5000 mg/kg bodyweight (OECD 401 method) |
| LD50 dermal rabbit  | > 2000 mg/kg bodyweight (OECD 402 method) |
| LC50 inhalation rat (mg/l)  | > 5 mg/l/4h (OECD 403 method)             |

| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) |   |
|---|---|
| LD50 oral rat   | > 5000 mg/kg bodyweight (OECD 401 method) |
| LD50 dermal rabbit  | > 2000 mg/kg bodyweight (OECD 402 method) |
| LC50 inhalation rat (mg/l)  | > 5.3 mg/l/4h (OECD 403 method)           |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Not classified   |
| Serious eye damage/irritation     | : Not classified   |
| Respiratory or skin sensitisation | : Not classified   |
| Germ cell mutagenicity            | : This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP |
| Carcinogenicity                   | : This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP |
| Reproductive toxicity             | : This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP |
| STOT-single exposure              | : Not classified (Based on available data, the classification criteria are not met)                      |
| STOT-repeated exposure            | : Not classified (Based on available data, the classification criteria are not met)                      |
| Aspiration hazard                 | : Not classified   |

| ATF IID              |                               |
|----------------------|-------------------------------|
| Viscosity, kinematic | 34.5 mm <sup>2</sup> /s @40°C |

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) |  |
|---|--|
| LC50 fish 1   | > 100 mg/l (OECD 203 method)             |
| EC50 Daphnia 1  | > 10000 mg/l (OECD 202 method)           |
| EC50 72h algae (1)  | > 1000 mg/l (OECD 201 method)            |
| NOEL, aquatic invertebrates, Chronic                                | < 1 mg/l (21 days, (OECD 211 method))    |
| NOEL, algae, Chronic  | > 100 mg/l (72 Hours, (OECD 201 method)) |
| NOEL, microorganisms, Chronic                                       | > 1.93 mg/l (10 minutes, DIN 38412)      |

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| <b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>                              |  |
|---|--|
| NOEL, daphnia, Chronic  | > 10 mg/l (21 days)                      |
| <b>Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)</b>                              |  |
| LC50 fish 1   | > 100 mg/l (OECD 203 method)             |
| EC50 Daphnia 1  | > 10000 mg/l (OECD 202 method)           |
| EC50 72h algae (1)  | > 1000 mg/l (OECD 201 method)            |
| NOEL, aquatic invertebrates, Chronic  | < 1 mg/l (21 days, (OECD 211 method))    |
| NOEL, algae, Chronic  | > 100 mg/l (72 Hours, (OECD 201 method)) |
| NOEL, microorganisms, Chronic   | > 1.93 mg/l (10 minutes, DIN 38412)      |
| NOEL, daphnia, Chronic  | > 10 mg/l (21 days)                      |
| <b>Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11 branched alkyloxy) derivs., C10-rich (398141-87-2)</b> |  |
| LC50 fish 1   | 3.3 mg/l (OECD 203 method)               |
| EC50 Daphnia 1  | 4.6 mg/l (OECD 202 method)               |
| EC50 72h algae (1)  | 63 mg/l (OECD 201 method)                |
| NOEC chronic fish   | 1 mg/l                                   |
| NOEC chronic crustacea  | 0.63 mg/l                                |
| NOEC chronic algae  | 0.313 mg/l                               |
| <b>Reaction products of an alkylthioalcohol and substituted phosphorous compounds (-)</b>               |  |
| LC50 fish 1   | >= 1.5 mg/l (OECD 203 method)            |
| EC50 Daphnia 1  | >= 0.09 mg/l (OECD 203 method)           |
| EC50 72h algae (1)  | >= 0.31 mg/l (OECD 203 method)           |
| M-Factor chronic (CLP)  | 10                                       |

### 12.2. Persistence and degradability

| <b>ATF IID</b>  |  |
|---|--|
| Persistence and degradability   | Not readily biodegradable, according to appropriate OECD test due to properties of several components. |
| <b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>                              |  |
| Persistence and degradability   | Not readily biodegradable, according to appropriate OECD test due to properties of several components. |
| Biodegradation  | < 32 % (OECD 301B method)  |
| <b>Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)</b>                              |  |
| Persistence and degradability   | Not readily biodegradable, according to appropriate OECD test due to properties of several components. |
| Biodegradation  | < 32 % (OECD 301B method)  |
| <b>Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11 branched alkyloxy) derivs., C10-rich (398141-87-2)</b> |  |
| Biodegradation  | 9.6 % Not readily biodegradable  |

### 12.3. Bioaccumulative potential

| <b>ATF IID</b>  |                                    |
|---|------------------------------------|
| Bioaccumulative potential   | Bioaccumulative potential.         |
| <b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>                              |                                    |
| Log Kow   | 3.5 - 6 Moderately bioaccumulative |
| <b>Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)</b>                              |                                    |
| Log Kow   | 3.5 - 6 Moderately bioaccumulative |
| <b>Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11 branched alkyloxy) derivs., C10-rich (398141-87-2)</b> |                                    |
| BCF fish 1  | 27.54                              |
| Log Kow   | 4.1 Moderately bioaccumulative     |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

| <b>ATF IID</b>  |   |
|---|---|
| PBT: not relevant – no registration required                        |   |
| vPvB: not relevant – no registration required                       |   |
| <b>Component</b>  |   |
| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) | PBT: not relevant – no registration required<br>vPvB: not relevant – no registration required |

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| Component   |   |
|---|---|
| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | PBT: not relevant – no registration required<br>vPvB: not relevant – no registration required |

### 12.6. Other adverse effects

Additional information : No other effects known

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Avoid release to the environment.  
European List of Waste (LoW) code : 13 02 05\* - mineral-based non-chlorinated engine, gear and lubricating oils

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR) : Not regulated  
UN-No. (IMDG) : Not regulated  
UN-No. (IATA) : Not regulated  
UN-No. (ADN) : Not regulated  
UN-No. (RID) : Not regulated

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Proper Shipping Name (IATA) : Not regulated  
Proper Shipping Name (ADN) : Not regulated  
Proper Shipping Name (RID) : Not regulated

### 14.3. Transport hazard class(es)

#### ADR

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

#### IMDG

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

#### IATA

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

#### ADN

Transport hazard class(es) (ADN) : Not regulated

#### RID

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

### 14.4. Packing group

Packing group (ADR) : Not regulated  
Packing group (IMDG) : Not regulated  
Packing group (IATA) : Not regulated  
Packing group (ADN) : Not regulated  
Packing group (RID) : Not regulated

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

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### 14.6. Special precautions for user

#### - Overland transport

Not regulated

#### - Transport by sea

Not regulated

#### - Air transport

Not regulated

#### - Inland waterway transport

Not regulated

#### - Rail transport

Not regulated

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

|  |  |
|--|--|
| 3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 | Distillates (petroleum), hydrotreated light naphthenic   |
| 3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1   | ATF IID - Bis(nonylphenyl)amine - Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11 branched alkyloxy) derivs., C10-rich |

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV 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

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   |
| CLP   | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| DMEL  | Derived Minimal Effect level  |
| DNEL  | Derived-No Effect Level   |
| EC50  | Median effective concentration  |
| 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  |
| PBT   | Persistent Bioaccumulative Toxic  |
| PNEC  | Predicted No-Effect Concentration   |

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|      |  |
|------|--|
| RID  | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| vPvB | Very Persistent and Very Bioaccumulative                                     |

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.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other information : None.

Full text of H- and EUH-statements:

|                       |   |
|-----------------------|---|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4                               |
| Aquatic Acute 1       | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 1     | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2     | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 3     | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Aquatic Chronic 4     | Hazardous to the aquatic environment — Chronic Hazard, Category 4 |
| Asp. Tox. 1           | Aspiration hazard, Category 1                                     |
| Expl. Not classified  | Explosive Not classified  |
| Skin Corr. 1          | Skin corrosion/irritation, Category 1                             |
| H304                  | May be fatal if swallowed and enters airways                      |
| H312                  | Harmful in contact with skin                                      |
| H314                  | Causes severe skin burns and eye damage                           |
| H400                  | Very toxic to aquatic life  |
| H410                  | Very toxic to aquatic life with long lasting effects              |
| H411                  | Toxic to aquatic life with long lasting effects                   |
| H412                  | Harmful to aquatic life with long lasting effects                 |
| H413                  | May cause long lasting harmful effects to aquatic life            |
| EUH210                | Safety data sheet available on request                            |

SDS EU (REACH Annex II)

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