# SAFETY DATA SHEET

## Q8 Hertz 46

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

### 1.1 Product identifier

**Product name** : Q8 Hertz 46

**Viscosity or Type** : ISO VG 46

**Material uses** : Lubricating oil for hydraulic equipment

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

Not applicable.

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

**Manufacturer / Distributor** : Kuwait Petroleum Companies in the Benelux
Company Office: Brusselstraat 59, B-2018, Antwerp
Contactaddress: Petroleumkaai 7, B-2020, Antwerp
Tel. +32 3 247 38 11, Fax +32 3 216 03 42

**e-mail address of person responsible for this SDS** : SDSinfo@Q8.com, communication preferably in English only.

### 1.4 Emergency telephone number

**Europe** : +44 (0) 1235 239 670

**Global (English only)** : +44 (0) 1865 407 333

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

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

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Not classified.

**Ingredients of unknown toxicity** : None.

**Ingredients of unknown ecotoxicity** : None.

**Classification according to Directive 1999/45/EC [DPD]**

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Not classified.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Signal word** : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

**Precautionary statements**

**General** : Not applicable.

**Prevention** : Not applicable.

**Response** : Not applicable.

## SECTION 2: Hazards identification

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Supplemental label elements** : Safety data sheet available on request.

**Special packaging requirements**

**Containers to be fitted with child-resistant fastenings** : Not applicable.

**Tactile warning of danger** : Not applicable.

### 2.3 Other hazards

**Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII** : Not applicable.

**Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : Not applicable.

**Other hazards which do not result in classification** : Defatting to the skin. Prolonged or repeated contact may dry skin and cause irritation.

## SECTION 3: Composition/information on ingredients

**3.2 Mixtures** : Mixture

| Product/ingredient name | Identifiers | % | Classification 67/548/EEC | Classification Regulation (EC) No. 1272/2008 [CLP] | Type |
|---|---|---|---|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | REACH #: 01-2119471299-27<br>EC: 265-169-7<br>CAS: 64742-65-0<br>Index: 649-474-00-6 | ≥50 - <75 | Not classified. | Asp. Tox. 1, H304 | [1] [2] |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | REACH #: 01-2119471299-27<br>EC: 265-169-7<br>CAS: 64742-65-0<br>Index: 649-474-00-6 | ≥25 - <50 | Not classified. | Not classified.<br><br>**See Section 16 for the full text of the H statements declared above.** | [2] |

The mineral oils in the product contain < 3% DMSO extract (IP 346).

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
[5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

# SECTION 4: First aid measures

## 4.1 Description of first aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Skin contact** : Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. High pressure skin injections are serious medical emergencies. Injury will not appear serious at first. Within a few hours, tissue will become swollen, discolored and extremely painful.

**Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : Defatting to the skin. May cause skin dryness and irritation.

**Ingestion** : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

**Eye contact** : No specific data.

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:
irritation
dryness
cracking

**Ingestion** : No specific data.

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

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

# SECTION 5: Firefighting measures

## 5.1 Extinguishing media

**Suitable extinguishing media** : Use dry chemical, $CO_2$, alcohol-resistant foam or water spray (fog).

**Unsuitable extinguishing media** : Do not use water jet.

## 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
sulfur oxides

## SECTION 5: Firefighting measures

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

### 6.4 Reference to other sections

: See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

## SECTION 7: Handling and storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### 7.3 Specific end use(s)

**Recommendations** : Not available.

**Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

| Product/ingredient name | Exposure limit values |
|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | **Lijst Grenswaarden / Valeurs Limites (Belgium, 11/2011).**<br>TWA: 5 mg/m³ 8 hours. Form: mist<br>STEL: 10 mg/m³ 15 minutes. Form: mist |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | **Lijst Grenswaarden / Valeurs Limites (Belgium, 11/2011).**<br>TWA: 5 mg/m³ 8 hours. Form: mist<br>STEL: 10 mg/m³ 15 minutes. Form: mist |

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

No DNELs/DMELs available.

#### PNECs

No PNECs available.

### 8.2 Exposure controls

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## SECTION 8: Exposure controls/personal protection

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Wear suitable gloves tested to EN374. Recommended: < 1 hour (breakthrough time): nitrile rubber 0.17 mm.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: Boiling point > 65 °C: A1; Boiling point < 65 °C: AX1; Hot material: A1P2.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance**

**Physical state** : Liquid. [Oily liquid.]

**Appearance** : Clear.

**Color** : Yellow [Light]

**Odor** : Characteristic.

**Odor threshold** : Not available.

**pH** : 7

**Melting point/freezing point** : -33°C

**Initial boiling point and boiling range** : >300°C

**Flash point** : Open cup: 222°C [ASTM D92.]

**Evaporation rate** : Not available.

**Flammability (solid, gas)** : Not applicable.

**Upper/lower flammability or explosive limits** : Not available.

**Vapor pressure** : <0.01 kPa [room temperature]

**Vapor density** : Not available.

**Relative density** : 0.872

**Solubility(ies)** : Insoluble in the following materials: cold water and hot water.

**Partition coefficient: n-octanol/water** : Not available.

**Auto-ignition temperature** : >300°C

**Decomposition temperature** : >300°C

**Viscosity (40°C)** : 46 cSt

**Viscosity (100°C)** : 8.5 cSt

## SECTION 9: Physical and chemical properties

**Explosive properties** : Not applicable.

**Oxidizing properties** : Not applicable.

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : The product is stable.

**10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** : No specific data.

**10.5 Incompatible materials** : Reactive or incompatible with the following materials:
Strong oxidizing materials

**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**

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---|---|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | LC50 Inhalation Dusts and mists | Rat - Male, Female | 5.53 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | LC50 Inhalation Dusts and mists | Rat - Male, Female | 5.53 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |

**Conclusion/Summary** : Not available.

**Acute toxicity estimates**

Not available.

**Irritation/Corrosion**

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|---|---|---|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | Skin - Erythema/Eschar | Rabbit | 0.17 | 72 hours | 7 days |
| | Skin - Edema | Rabbit | 0 | 72 hours | 7 days |
| | Eyes - Iris lesion | Rabbit | 0 | 48 hours | 72 hours |
| | Eyes - Redness of the conjunctivae | Rabbit | 0.33 | 48 hours | 72 hours |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | Skin - Erythema/Eschar | Rabbit | 0.17 | 72 hours | 7 days |
| | Skin - Edema | Rabbit | 0 | 72 hours | 7 days |
| | Eyes - Iris lesion | Rabbit | 0 | 48 hours | 72 hours |

## SECTION 11: Toxicological information

| | | | | | |
|---|---|---|---|---|---|
| | Eyes - Redness of the conjunctivae | Rabbit | 0.33 | 48 hours | 72 hours |

**Conclusion/Summary** : Not available.

**Sensitization**

| Product/ingredient name | Route of exposure | Species | Result |
|---|---|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | skin | Guinea pig | Not sensitizing |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | skin | Guinea pig | Not sensitizing |

**Conclusion/Summary** : Not available.

**Mutagenicity**

| Product/ingredient name | Test | Experiment | Result |
|---|---|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | 474 Mammalian Erythrocyte Micronucleus Test | Experiment: In vivo<br>Subject: Mammalian-Animal<br>Cell: Somatic | Negative |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | 474 Mammalian Erythrocyte Micronucleus Test | Experiment: In vivo<br>Subject: Mammalian-Animal<br>Cell: Somatic | Negative |

**Conclusion/Summary** : Not available.

**Carcinogenicity**

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---|---|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | Negative - Dermal - TC | Mouse - Female | - | 78 weeks |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | Negative - Dermal - TC | Mouse - Female | - | 78 weeks |

**Conclusion/Summary** : Not available.

**Reproductive toxicity**

| Product/ingredient name | Maternal toxicity | Fertility | Development toxin | Species | Dose | Exposure |
|---|---|---|---|---|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | Negative | Negative | Negative | Rat - Male, Female | Oral: 1000 mg/kg | - |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | Negative | Negative | Negative | Rat - Male, Female | Oral: 1000 mg/kg | - |

**Conclusion/Summary** : Not available.

**Teratogenicity**

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---|---|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | Negative - Dermal | Rat | 2000 mg/kg | 7 days per week |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | Negative - Dermal | Rat | 2000 mg/kg | 7 days per week |

## SECTION 11: Toxicological information

**Conclusion/Summary** : Not available.

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

| Product/ingredient name | Result |
|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | ASPIRATION HAZARD - Category 1 |

**Information on the likely routes of exposure** : Not available.

**Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : Defatting to the skin. May cause skin dryness and irritation.

**Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : No specific data.

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:
irritation
dryness
cracking

**Ingestion** : No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Potential chronic health effects**

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---|---|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | Sub-chronic NOAEL Oral | Rat - Male, Female | ≥2000 mg/kg | 13 weeks; 5 days per week |
| | Sub-acute LOAEL Oral | Rat - Male | 125 mg/kg | 13 weeks; 5 hours per day |
| | Sub-acute NOAEL Inhalation Dusts and mists | Rat - Male | >980 mg/m³ | 4 weeks; 5 days per week |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | Sub-chronic NOAEL Oral | Rat - Male, Female | ≥2000 mg/kg | 13 weeks; 5 days per week |
| | Sub-acute LOAEL Oral | Rat - Male | 125 mg/kg | 13 weeks; 5 hours per day |
| | Sub-acute NOAEL Inhalation Dusts and mists | Rat - Male | >980 mg/m³ | 4 weeks; 5 days per week |

## SECTION 11: Toxicological information

**Conclusion/Summary** : Not available.

**General** : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Other information** : Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Conclusion/Summary** : non-toxic.

### 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|---|---|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | - | - | Inherent |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | - | - | Inherent |

### 12.3 Bioaccumulative potential

| Product/ingredient name | $LogP_{ow}$ | BCF | Potential |
|---|---|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | >3 | - | low |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | >3 | - | low |

### 12.4 Mobility in soil

**Soil/water partition coefficient ($K_{OC}$)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

**Product**

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : Yes.

**European waste catalogue (EWC)**

| Waste code | Waste designation |
|---|---|
| 13 01 10* | mineral based non-chlorinated hydraulic oils |

**Packaging**

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA |
|---|---|---|---|---|
| **14.1 UN number** | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| **14.2 UN proper shipping name** | - | - | - | - |
| **14.3 Transport hazard class(es)** | - | - | - | - |
| **14.4 Packing group** | - | - | - | - |
| **14.5 Environmental hazards** | No. | No. | No. | No. |
| **Additional information** | - | - | - | - |

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## SECTION 15: Regulatory information

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

**EU Regulation (EC) No. 1907/2006 (REACH)**

**Annex XIV - List of substances subject to authorization**

**Annex XIV**

None of the components are listed.

**Substances of very high concern**

None of the components are listed.

**Other EU regulations**

**Europe inventory** : All components are listed or exempted.

**Seveso II Directive**

This product is not controlled under the Seveso II Directive.

**Hazard class for water (WGK)** : 1 Appendix No. 4

**International regulations**

**Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol (Annexes A, B, C, E)**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Inform Consent (PIC)**

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**International lists**

**National inventory**

| | |
|---|---|
| **Australia** | : All components are listed or exempted. |
| **Canada** | : All components are listed or exempted. |
| **China** | : All components are listed or exempted. |
| **Japan** | : All components are listed or exempted. |
| **Malaysia** | : Not determined. |
| **New Zealand** | : All components are listed or exempted. |
| **Philippines** | : All components are listed or exempted. |
| **Republic of Korea** | : All components are listed or exempted. |
| **Taiwan** | : Not determined. |
| **United States** | : All components are listed or exempted. |

**15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

## SECTION 16: Other information

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

| Classification | Justification |
|---|---|
| Not classified. | |

**Full text of abbreviated H statements** : H304 May be fatal if swallowed and enters airways.

**Full text of classifications [CLP/GHS]** : Asp. Tox. 1, H304 ASPIRATION HAZARD - Category 1

**Full text of abbreviated R phrases** : Not applicable.

**Full text of classifications [DSD/DPD]** : Not applicable.

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**Version** : 1.02

**Prepared by** : Kuwait Petroleum Research & Technology B.V., The Netherlands

**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.**
**Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**