Cuality Paints since 1 845

Timberex Extra Heavy Duty

SAFETY DATA SHEET



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

1.1 Product identifier

: Timberex Extra Heavy Duty

| Product name | ÷ . | |
|---------------------|-----|---|
| Product description | : | (|
| Product type | : | I |
| UFI | : | ; |

Oily liquid.

: Liquid.

3UWU-05EX-799S-GA03

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

| Identified uses | | |
|--|--|--|
| Consumer use Industrial use Professional use | | |
| Uses advised against Reason | | |
| None identified. | | |

1.3 Details of the supplier of the safety data sheet

Rust-Oleum Europe - Martin Mathys NV, Kolenbergstraat 23, B-3545 Zelem, Belgium Telephone no.: +32 (0) 13 460 200 Fax no.: +32 (0) 13 460 201 e-mail address of person : rpmeurohas@ro-m.com responsible for this SDS

1.4 Emergency telephone number

| <u>Supplier</u> | |
|--------------------|------------------------|
| Telephone number | : +44 (0) 207 858 1228 |
| Hours of operation | : 24/7 |

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]

 Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 16 for the full text of the 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 | |

Date of issue/Date of revision

: 23/01/2019

SECTION 2: Hazards identification

| General | : | P102 - Keep out of reach of children. P103 - Read label before use. P101 - If medical advice is needed, have product container or label at hand. |
|---|-----|--|
| Prevention | : | Not applicable. |
| Response | : | Not applicable. |
| Storage | : | Not applicable. |
| Disposal | : | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Hazardous ingredients | : | Not applicable. |
| Supplemental label elements | : | Safety data sheet available on request. |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : | Not applicable. |
| Special packaging requiren | ner | <u>its</u> |
| Containers to be fitted with child-resistant fastenings | : | Not applicable. |
| Tactile warning of danger | : | Not applicable. |
| 2.3 Other hazards | | |
| Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII | | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Other hazards which do not result in classification | : | None known. |
| | | |

SECTION 3: Composition/information on ingredients

| 3.2 Mixtures | : Mixture | | | | |
|--|--|-----------|--|---------|--|
| | | | Classification | | |
| Product/ingredient name | Identifiers | % | Regulation (EC) No. 1272/2008 [CLP] | Туре | |
| hydrocarbons, C11-C14, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | REACH #: 01-2119456620-43 EC: 926-141-6 Index: 649-422-00-2 | ≥25 - ≤50 | Asp. Tox. 1, H304 EUH066 | [1] [2] | |
| hydrocarbons, C10-C13, n-/ iso-/ cyclo-alkanes, < 2% aromatics | REACH #: 01-2119457273-39 EC: 918-481-9 Index: 649-327-00-6 | ≥10 - ≤25 | Asp. Tox. 1, H304 EUH066 | [1] [2] | |
| | | | See Section 16 for the full text of the H statements declared above. | | |

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. <u>Type</u>

SECTION 3: Composition/information on ingredients

[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 me | easures |
|---------------------------------|---|
| General | : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice. |
| Eye contact | : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. |
| Inhalation | : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. |
| Skin contact | Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. |
| Ingestion | If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting. |
| 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

There are no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from

short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Over-exposure signs/symptoms

| Eye contact | : No specific data. |
|--------------|---------------------|
| Inhalation | : No specific data. |
| Skin contact | : No specific data. |
| Ingestion | : No specific data. |

4.3 Indication of any immediate medical attention and special treatment needed

- : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments : No specific treatment.

See toxicological information (Section 11)

Notes to physician

SECTION 5: Firefighting measures 5.1 Extinguishing media Suitable extinguishing : Recommended: alcohol-resistant foam, CO₂, powders, water spray. media **Unsuitable extinguishing** : Do not use water jet. media 5.2 Special hazards arising from the substance or mixture Hazards from the : In a fire or if heated, a pressure increase will occur and the container may burst. substance or mixture **Hazardous thermal** : Decomposition products may include the following materials: decomposition products carbon dioxide carbon monoxide nitrogen oxides 5.3 Advice for firefighters **Special protective actions** : 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 for fire-fighters suitable training. **Special protective** : Fire-fighters should wear appropriate protective equipment and self-contained equipment for fire-fighters 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. No unusual hazard if involved in a fire. **Additional information**

SECTION 6: Accidental release measures

| 6.1 Personal precautions, pro | ote | ctive 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 spilt 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 spilt 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 material for | СС | ntainment 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. |
| Date of issue/Date of revision | | : 23/01/2019 Date of previous issue : 23/01/2019 Version : 4.01 4/14 |

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance.

| 7.1 Precautions for safe handling | Due to the organic solvents content of the mixture: Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Keep away from heat, sparks and flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8). Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or watercourses. |
|-----------------------------------|--|
| | |

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

Additional information on storage conditions

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep container tightly closed.

Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

: Not available.

Recommendations : Not available. Industrial sector specific solutions

SECTION 8: Exposure controls/personal protection

The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

| Product/ingredient name | Exposure limit values | | |
|--|---|--|--|
| hydrocarbons, C11-C14, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | EH40/2005 WELs (United Kingdom (UK), 8/2007). STEL: 850 mg/m ³ , (as turpentine (150 ppm)) 15 minutes. Form: Vapour TWA: 566 mg/m ³ , (as turpentine (100 ppm)) 8 hours. Form: Vapour | | |
| hydrocarbons, C10-C13, n-/ iso-/ cyclo-alkanes, < 2% aromatics | EH40/2005 WELs (United Kingdom (UK), 8/2007). STEL: 850 mg/m ³ , (as turpentine (150 ppm)) 15 minutes. Form: Vapour TWA: 566 mg/m ³ , (as turpentine (100 ppm)) 8 hours. Form: Vapour | | |

SECTION 8: Exposure controls/personal protection

| • | • • |
|---|--|
| 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 | Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn. |
| Individual protection measure | <u>es</u> |
| 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. |
| 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. Recommended: Use safety goggles. (EN 166) |
| Skin protection | |
| Hand protection | |
| combination of chemicals. The breakthrough time mus | ial or combination of materials that will give unlimited resistance to any individual or t be greater than the end use time of the product. ation provided by the glove manufacturer on use, storage, maintenance and |
| replacement must be follow | |
| | regularly and if there is any sign of damage to the glove material. |
| The performance or effectiv | re free from defects and that they are stored and used correctly. eness of the glove may be reduced by physical/chemical damage and poor |
| maintenance. Barrier creams may help to occurred. | protect the exposed areas of the skin but should not be applied once exposure has |
| Gloves | For prolonged or repeated handling, use the following type of gloves: |
| | May be used: 4 - 8 hours (breakthrough time): nitrile rubber (0.5mm) or polyvinyl chloride (PVC) gloves |
| | The recommendation for the type or types of glove to use when handling this product is based on information from the following source: EN 374 |
| | The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. |
| Date of issue/Date of revision | : 23/01/2019 Date of previous issue : 23/01/2019 Version : 4.01 6/14 |
| | |

SECTION 8: Exposure controls/personal protection

| • | |
|---------------------------------|--|
| 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. Recommended: Wear overalls or long sleeved shirt. (EN 467) |
| 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 | : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: In situations where misting or flying may occur, use appropriate certified respirators. (as filter A) (EN 140) |
| 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 physica | 9.1 Information on basic physical and chemical properties | | | | | | |
| Appearance | | | | | | | |
| Physical state | : Liquid. | | | | | | |
| Colour | : Brown. | | | | | | |
| Odour | : Slight | | | | | | |
| Odour threshold | : Not available. | | | | | | |
| рН | : Not available. | | | | | | |
| Melting point/freezing point | : Not available. | | | | | | |
| Initial boiling point and | : >200°C | | | | | | |
| boiling range | | | | | | | |
| Flash point | : Closed cup: >63°C | | | | | | |
| Evaporation rate | : Not available. | | | | | | |
| Flammability (solid, gas) | : Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat. When heated, flammable vapours will be evolved. In use, may form flammable/ explosive vapour-air mixture. | | | | | | |
| Upper/lower flammability or explosive limits | : Lower: 0.9% Upper: 8% | | | | | | |
| Vapour pressure | : Not available. | | | | | | |
| Vapour density | : Not available. | | | | | | |
| Relative density | : 0,87 | | | | | | |
| Solubility(ies) | : Insoluble in the following materials: cold water and hot water. | | | | | | |
| Partition coefficient: n-octanol/ water | : Not available. | | | | | | |
| Auto-ignition temperature | : Not available. | | | | | | |
| Decomposition temperature | : Not available. | | | | | | |
| Viscosity | : Kinematic (40°C): >0.205 cm ² /s | | | | | | |
| Explosive properties | : Not available. | | | | | | |
| Oxidising properties | : Not available. | | | | | | |
| | | | | | | | |

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

| | - | - |
|--|---|---|
| 10.1 Reactivity | 1 | No specific test data related to reactivity available for this product or its ingredients. |
| 10.2 Chemical stability | : | Stable under recommended storage and handling conditions (see Section 7). |
| 10.3 Possibility of hazardous reactions | : | Under normal conditions of storage and use, hazardous reactions will not occur. |
| 10.4 Conditions to avoid | : | When exposed to high temperatures may produce hazardous decomposition products. |
| 10.5 Incompatible materials | : | Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids. |
| 10.6 Hazardous decomposition products | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. If involved in a fire, toxic gases including CO, CO2 and smoke can be generated. |
| | | |

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|-------------------------------------|---------------|----------------------------|--------------|
| hydrocarbons, C11-C14, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| hydrocarbons, C10-C13, n-/ iso-/ cyclo-alkanes, < 2% aromatics | LD50 Oral LC50 Inhalation Vapour | Rat Rat | >6312 mg/kg 5000 mg/m³ | - 4 hours |
| | LD50 Dermal LD50 Oral | Rabbit Rat | >5000 mg/kg >5000 mg/kg | - |

Conclusion/Summary : Based on available data, the classification criteria are not met.

Acute toxicity estimates

Not available.

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|-----------------------|---------|-------|----------|-------------|
| hydrocarbons, C11-C14, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | Eyes - Cornea opacity | Rabbit | 1 | - | - |

Conclusion/Summary

Skin

: Based on available data, the classification criteria are not met.

Eyes

- Based on available data, the classification criteria are not met.Based on available data, the classification criteria are not met.
- Respiratory
- Sensitisation

| Product/ingredient name | Route of exposure | Species | Result |
|---|-------------------|---------|-----------------|
| hydrocarbons, C11-C14, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | skin | Rabbit | Not sensitizing |
| Conclusion/Summary | • | · | |

Conclusion/Summary

Skin

: Based on available data, the classification criteria are not met.

SECTION 11: Toxicological information

Respiratory

: Based on available data, the classification criteria are not met.

Mutagenicity

| Product/ingredient name | Test | Experiment | Result |
|---|----------|--|----------|
| hydrocarbons, C11-C14, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | OECD 471 | Experiment: In vivo Subject: Bacteria | Negative |

Conclusion/Summary

: Based on available data, the classification criteria are not met.

Carcinogenicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|----------------------|---------|------|----------|
| hydrocarbons, C11-C14, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | Negative - Oral - TD | Rat | - | - |

Conclusion/Summary : Based on available data, the classification criteria are not met.

Reproductive toxicity

| Product/ingredient name | Maternal toxicity | Fertility | Developmental toxin | Species | Dose | Exposure |
|---|----------------------|-----------|------------------------|---------|------|----------|
| hydrocarbons, C11-C14, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | - | Negative | Negative | Rat | Oral | - |

Conclusion/Summary : Based on available data, the classification criteria are not met.

Teratogenicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

| Product/i | ingredient name | Result | | | | |
|---|---|----------------------------------|--|--|--|--|
| hydrocarbons, C11-C14, n-/ i (2-25%) | iso-/ cyclo-alkanes, aromatics | ASPIRATION HAZARD - Category 1 | | | | |
| hydrocarbons, C10-C13, n-/ i | hydrocarbons, C10-C13, n-/ iso-/ cyclo-alkanes, < 2% aromatics ASPIRATION HAZARD - Category 1 | | | | | |
| Delayed and immediate effect | ts as well as chronic effects from s | short and long-term exposure | | | | |
| <u>Short term exposure</u> | | | | | | |
| 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 effe | <u>ects</u> | | | | | |
| Not available. | | | | | | |
| Conclusion/Summary | : Based on available data, the clas | sification criteria are not met. | | | | |
| General | : No known significant effects or critical hazards. | | | | | |
| Carcinogenicity | : No known significant effects or c | itical hazards. | | | | |
| Mutagenicity | : No known significant effects or c | itical hazards. | | | | |
| Teratogenicity | : No known significant effects or cl | itical hazards. | | | | |
| | | | | | | |

SECTION 11: Toxicological information

Developmental effects

: No known significant effects or critical hazards.

Fertility effects

: No known significant effects or critical hazards.

icts : No known signifi

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment.

| Product/ingredient name | Result | Species | Exposure |
|---|----------------------------------|---|----------|
| hydrocarbons, C11-C14, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | Acute EC10 >1000 mg/l | Daphnia spec. | 48 hours |
| х <i>У</i> | Acute IC10 >1000 mg/l | Algae - Pseudokirchneriella subcapitata | 72 hours |
| | Acute LC50 2200 µg/l Fresh water | Fish - Lepomis macrochirus | 4 days |
| | Acute LOAEL >1000 mg/l | Fish | 96 hours |
| hydrocarbons, C10-C13, n-/ iso-/ cyclo-alkanes, < 2% aromatics | Acute EC50 >1000 mg/l | Daphnia spec. | 4 hours |
| | Acute IC50 >1000 mg/l | Algae | 4 hours |
| | Acute LC50 >1000 mg/l | Fish | 4 hours |

Conclusion/Summary : Based on available data, the classification criteria are not met.

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | | Dose | Inoculum | |
|---|---|---------------------|----------------|--------|--------------------|--|
| hydrocarbons, C11-C14, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | - | 69 % - Readily - 28 | days | - | - | |
| Conclusion/Summary | : Based on available data, the classification criteria are not met. | | | | | |
| Product/ingredient name | Aquatic half-life | | Photolysis | | Biodegradability | |
| hydrocarbons, C11-C14, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) hydrocarbons, C10-C13, n-/ iso-/ cyclo-alkanes, < 2% aromatics | - Fresh water <28 (| days, 5 to 25°C | - 80%; < 28 | day(s) | Readily Readily | |

12.3 Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|---|------------|------------|-----------|
| hydrocarbons, C11-C14, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | 3.5 to 4.7 | 130 to 150 | low |

12.4 Mobility in soil

| Soil/water partition coefficient (Koc) | : Not available. |
|--|------------------|
| Mobility | : Volatile. |

SECTION 12: Ecological information

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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.

13.1 Waste treatment methods

| Product | | |
|-------------------------|---|--|
| Methods of disposal | : | The generation of waste should be avoided or minimised 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 | : | Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC. |
| Disposal considerations | : | Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority. |

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

| Waste code | Waste designation |
|-------------------------|---|
| 13 08 00 | oil wastes not otherwise specified |
| Packaging | |
| Methods of disposal | : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. |
| Disposal considerations | Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions. |
| 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 spilt 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) | - | - | - | - |
| Date of issue/Date of rev | rision : 23/01/20 | D19 Date of previous issue | : 23/01/2019 | Version : 4.01 1 |

| SECTION 14: | Transport info | rmation | | | |
|----------------------------------|----------------|---------|-----|-----|--|
| 14.4 Packing group | - | - | - | - | |
| 14.5 Environmental hazards | No. | No. | No. | No. | |
| Additional information | - | - | - | - | |

14.6 Special precautions for : 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.

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 authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : Not applicable. |
|---|--|
| Other EU regulations | |
| VOC for Ready-for-Use Mixture | : Not applicable |
| Europe inventory | : All components are listed or exempted. |
| Black List Chemicals (76/464/EEC) | : |

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

| Industrial use | : The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work. |
|---------------------------|--|
| References | : EH40/2005 Workplace exposure limits Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2016/918 |
| International regulations | |
| Chemical Weapon Conver | ntion List Schedules I, II & III Chemicals |
| Not listed. | |

Date of issue/Date of revision

: 23/01/2019

Date of previous issue

| | 1.1. | · · · · · · · · · · · · · · · · · · · |
|--|---------------|--|
| SECTION 15: Reg | ulato | ry information |
| Montreal Protocol (Anne Not listed. | exes A | <u>. B. C. E)</u> |
| Stockholm Convention of Not listed. | <u>on Per</u> | sistent Organic Pollutants |
| Rotterdam Convention of Not listed. | on Pric | er Informed Consent (PIC) |
| UNECE Aarhus Protocol Not listed. | l on PC | <u>)Ps and Heavy Metals</u> |
| CN code : 3805 90 | 90 00 | |
| International lists | | |
| <u>National inventory</u> Australia | : | Not determined. |
| Canada | : | All components are listed or exempted. |
| China | : | All components are listed or exempted. |
| Japan | : | Japan inventory (ENCS): At least one component is not listed. Japan inventory (ISHL): At least one component is not listed. |
| Malaysia | : | Not determined |
| New Zealand | 1 | At least one component is not listed. |
| Philippines Republic of Korea | : | Not determined. All components are listed or exempted. |
| Taiwan | 1 | At least one component is not listed. |
| Turkey | 1 | Not determined. |
| United States | 1 | All components are listed or exempted. |
| Thailand | : | Not determined. |
| Viet Nam | : | Not determined. |
| 15.2 Chemical safety assessment | : | No Chemical Safety Assessment has been carried out. |

SECTION 16: Other information

Indicates information that has changed from previously issued version.

| Abbreviations and | : ATE = Acute Toxicity Estimate |
|-------------------|--|
| acronyms | 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 H-phrases referred to in sections 2 and 3

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

| SECTION 16: Other information | | | |
|---|---|-----------------------------|---|
| Full text of classifications [CLP/GHS] | : | Asp. Tox. 1, H304 EUH066 | ASPIRATION HAZARD - Category 1 Repeated exposure may cause skin dryness or cracking. |
| Date of printing | : | 2/05/2019 | |
| Date of issue/ Date of revision | 1 | 23/01/2019 | |
| Date of previous issue | : | 23/01/2019 | |
| Version | : | 4.01 | |

Notice to reader

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.