



# MOL Racing Fuel RST

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 8/5/2015

Revision date: 11/12/2019

Version: 2.3

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

#### 1.1. Product identifier

Chemical type : Mixture  
Trade name : MOL Racing Fuel RST  
Product code : MOL\_0411\_005/2\_MOL\_0411\_005\_T/1

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : Use as a fuel

##### 1.2.2. Uses advised against

No additional information available

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

Manufacturer: MOL Hungarian Oil and Gas Public Limited Company, Refining  
Address: 2443 Százhalombatta, POB.1.  
Telephone: +36-23-552-511,  
Fax: +36-23-553-122  
Distributor: MOL Hungarian Oil and Gas Public Limited Company  
Address: 1117 Budapest, Október huszonharmadika utca 18.  
Telephone, fax.: +36-1-209-0000  
The competent person responsible for Safety Data Sheet: sds@mol.hu

#### 1.4. Emergency telephone number

| Country        | Organisation/Company  | Address   | Emergency number | Comment |
|----------------|---|---|------------------|---------|
| United Kingdom | National Poisons Information Service (Belfast Centre)<br>Royal Victoria Hospital                                | Grosvenor Road<br>BT12 6BA Belfast                          | 0344 892 0111    |         |
| United Kingdom | National Poisons Information Service (Birmingham Centre)<br>City Hospital                                       | Dudley Road<br>B18 7QH Birmingham                           | 0344 892 0111    |         |
| United Kingdom | National Poisons Information Service (Cardiff Centre)<br>Gwenwyn Ward, Llandough Hospital                       | Penarth<br>CF64 2XX Cardiff                                 | 0344 892 0111    |         |
| United Kingdom | National Poisons Information Service Edinburgh<br>Royal Infirmary of Edinburgh                                  | Little France Crescent<br>EH16 4SA Edinburgh                | 0344 892 0111    |         |
| United Kingdom | Guy's & St Thomas' Poisons Unit<br>Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust                   | Avonley Road<br>SE14 5ER London                             | +44 20 7188 7188 |         |
| United Kingdom | National Poisons Information Service (Newcastle Centre)<br>Regional Drugs and Therapeutics Centre, Wolfson Unit | Claremont Place<br>Newcastle-upon-Tyne<br>NE1 4LP Newcastle | 0344 892 0111    |         |

### SECTION 2: Hazards identification

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

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

Flammable liquids, Category 2 H225  
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Reproductive toxicity, Category 2 H361  
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336  
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H335  
Specific target organ toxicity — Repeated exposure, Category 2 H373  
Aspiration hazard, Category 1 H304  
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

Full text of H statements : see section 16

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### 2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazardous ingredients :

toluene; mixed xylenes; Naphtha (petroleum), isomerization; Naphtha (petroleum), isomerization, C6-fraction; 2,2,4-trimethylpentane; Cyclohexene

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapour.  
H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.  
H336 - May cause drowsiness or dizziness.  
H361 - Suspected of damaging fertility. Suspected of damaging the unborn child..  
H373 - May cause damage to organs (nervous system) through prolonged or repeated exposure.  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P101 - If medical advice is needed, have product container or label at hand.  
P201 - Obtain special instructions before use.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260 - Do not breathe dusts or mists.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, eye protection, face shield.  
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
P501 - Dispose of contents/container to an approved waste disposal plant

### 2.3. Other hazards

Other hazards not contributing to the classification :

Can form explosive mixture with air.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## 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]  |
|------------------------------|--|------|--|
| toluene<br>(Component)       | (CAS-No.) 108-88-3<br>(EC-No.) 203-625-9<br>(EC Index-No.) 601-021-00-3<br>(REACH-no) 01-2119471310-51 | < 25 | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Repr. 2, H361d<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412                                |
| mixed xylenes<br>(Component) | (EC-No.) 905-562-9<br>(REACH-no) 01-2119488216-32-0011   | < 25 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Asp. Tox. 1, H304 |

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|  |  |       |   |
|--|--|-------|---|
| Naphtha (petroleum), isomerization<br>(Component)              | (CAS-No.) 64741-70-4<br>(EC-No.) 265-073-5<br>(EC Index-No.) 649-277-00-5<br>(REACH-no) 01-2119480399-24     | < 20  | Flam. Liq. 1, H224<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411                                |
| Naphtha (petroleum), isomerization, C6-fraction<br>(Component) | (CAS-No.) 92045-58-4<br>(EC-No.) 295-440-5<br>(EC Index-No.) 649-286-00-4<br>(REACH-no) 01-2119486952-24     | < 20  | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Repr. 2, H361<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411               |
| tert-butyl methyl ether<br>(Component)                         | (CAS-No.) 1634-04-4<br>(EC-No.) 216-653-1<br>(EC Index-No.) 603-181-00-X<br>(REACH-no) 01-2119452786-27-0019 | < 15  | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315   |
| 2,2,4-trimethylpentane<br>(Component)                          | (CAS-No.) 540-84-1<br>(EC-No.) 208-759-1<br>(EC Index-No.) 601-009-00-8<br>(REACH-no) 01-2119457965-22       | < 15  | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410       |
| Cyclohexene<br>(Component)                                     | (CAS-No.) 110-83-8<br>(EC-No.) 203-807-8<br>(REACH-no) 01-2119487282-34                                      | < 15  | Flam. Liq. 2, H225<br>Acute Tox. 4 (Oral), H302<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411   |
| Benzene<br>(Classification marker)                             | (CAS-No.) 71-43-2<br>(EC-No.) 200-753-7<br>(EC Index-No.) 601-020-00-8                                       | < 0.1 | Flam. Liq. 2, H225<br>Carc. 1A, H350<br>Muta. 1B, H340<br>STOT RE 1, H372<br>Asp. Tox. 1, H304<br>Eye Irrit. 2, H319<br>Skin Irrit. 2, H315 |

Full text of H-statements: see section 16

Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102)-P260-P262- P301 + P310-P331 (Table 3.1) or the S-phrases (2-)-23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : IF exposed or concerned: Get medical advice/attention. Before attempting to rescue casualties, isolate area from all potential sources of ignition including disconnecting electrical supply. Ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry into confined spaces. Drench contaminated clothing with water before removing to avoid risk of sparks from static electricity. Do not give anything by mouth to an unconscious person.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. If casualty is unconscious and: no breathing: Ensure that there is no obstruction to breathing and give artificial respiration by trained personnel. If necessary, give external cardiac massage and obtain medical advice. Breathing Allow the victim to rest. Obtain medical assistance if breathing remains difficult.   |
| First-aid measures after skin contact | : Remove contaminated clothing, contaminated footwear and dispose of safely. Wash affected area with soap and water. When using high-pressure equipment, injection of product can occur. If high-pressure injuries occur, immediately seek professional medical attention. Seek medical attention if skin irritation, swelling or redness develops and persists. Do not wait for symptoms to develop. For minor thermal burns, cool the burn. Hold the burned area under cold running water for at least five minutes, or until the pain subsides. Body hypothermia must be avoided. Do not put ice on the burn. Remove non-sticking garments carefully. DO NOT attempt to remove portions of clothing glued to burnt skin but cut round them. Seek medical attention in all cases of serious burns. |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If irritation, blurred vision or swelling occurs and persists, obtain medical advice from a specialist. If hot product is splashed into the eye, it should be cooled down immediately to dissipate heat, under cold running water.   |
| First-aid measures after ingestion    | : Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Always assume that aspiration has occurred.   |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects                    | : May be fatal if swallowed and enters airways.  |
| Symptoms/effects after inhalation   | : Inhalation of vapours may cause headache, nausea, vomiting and an altered state of consciousness. Possible inflammation of the respiratory tract. Chemical pneumonia. Risk of lung oedema. |
| Symptoms/effects after skin contact | : Irritation. Dry skin. May cause burn in case of contact with product at high temperature.  |
| Symptoms/effects after eye contact  | : Causes eye irritation. May cause burn in case of contact with product at high temperature.   |

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Symptoms/effects after ingestion : Ingestion (swallowing) of this material may result in an altered state of consciousness and loss of coordination.

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

Do NOT induce vomiting. Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam (trained personnel only). Water fog (trained personnel only). Carbon dioxide. Other inert gases (subject to regulations). Sand or earth. Dry powder.

Unsuitable extinguishing media : Do not use direct water jets on the burning product. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

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

Fire hazard : Combustible liquid. Heating may cause a fire or explosion. May build up electrostatic charges: risk of ignition.

Explosion hazard : Vapours may form explosive mixture with air. They may be ignited by heat, sparks, static electricity or flames.

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Toxic fumes may be released.

Hungarian fire hazard

### 5.3. Advice for firefighters

Precautionary measures fire : Keep container closed when not in use. Eliminate all ignition sources if safe to do so. Fight fire remotely due to the risk of explosion.

Firefighting instructions : Evacuate area. Contain the extinguishing fluids by bunding.

Protection during firefighting : In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Other information : Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates, gases, including carbon monoxide. High temperature decomposition products are harmful by inhalation.

## SECTION 6: Accidental release measures

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

General measures : Evacuate area. Stop engines and no smoking. Avoid contact with skin and eyes. Spilled material may present a slipping hazard.

#### 6.1.1. For non-emergency personnel

Protective equipment : gloves made of PVA are not water-resistant, and are not suitable for emergency use. Antistatic non-skid safety shoes or boots. Work gloves providing adequate chemical resistance, specifically to aromatic hydrocarbons. Goggles and /or face shield, if splashes or contact with eyes is possible or anticipated. a half or full-face respirator with filter(s) for organic vapours/H<sub>2</sub>S, or a Self-contained Breathing Apparatus (SCBA) can be used according to the extent of spill and predictable amount of exposure. If the situation cannot be completely assessed, or if an oxygen deficiency is possible, only SCBA's should be used.

Emergency procedures : Keep upwind. Stop or contain leak at the source, if safe to do so. Avoid direct contact with released material. Do not breathe vapours. Keep non-involved personnel away from the area of spillage. Alert emergency personnel. If required, notify relevant authorities according to all applicable regulations. Eliminate all ignition sources if safe to do so (e.g. electricity, sparks, fires, flares. Large spillages may be cautiously covered with foam, if available, to limit vapour cloud formation. In case of large spillages, alert occupants in downwind areas. When inside buildings or confined spaces, ensure adequate ventilation.

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

prevent product from entering sewers, rivers or other bodies of water. In case of soil contamination, remove contaminated soil and treat in accordance with local regulations.

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

For containment : Stop or contain leak at the source, if safe to do so. Collect spillage.

Methods for cleaning up : Absorb spilled product with suitable non-combustible materials. In case of small spillages in closed waters, contain product with floating barriers or other equipment. Collect spilled product by absorbing with specific floating absorbents. Consult an expert on waste disposal or treatment.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : In use, may form flammable vapour-air mixture. Flammable vapours may accumulate in the container.
- Precautions for safe handling : Ensure that all relevant regulations regarding handling and storage facilities of flammable products are followed. Keep away from heat/sparks/open flames/hot surfaces. Avoid contact with the hot product. Do not eat, drink or smoke when using this product. Prevent the build-up of electrostatic charge. Ground/bond container and receiving equipment. Use only non-sparking tools. Avoid breathing vapours. Avoid contact with skin, eyes and clothing. Do not ingest. Avoid splash filling of bulk volumes when handling hot liquid product. Contaminated materials should not be allowed to accumulate in the workplaces and should never be kept inside the pockets. Keep away from food and beverages. Wash the hands thoroughly after handling.
- Hygiene measures : Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Take off immediately all contaminated clothing and wash it before reuse.

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

- Technical measures : Before entering storage tanks and commencing any operation in a confined area, check the atmosphere for oxygen content, hydrogen sulphide (H<sub>2</sub>S) and flammability. Empty containers may contain flammable product residues. Do not weld, solder, drill, cut or incinerate empty containers, unless they have been properly cleaned.
- Storage conditions : Keep container tightly closed. Keep only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Incompatible products : Oxidizing agent.
- Incompatible materials : Sources of ignition. Heat sources. Direct sunlight.

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

Site documentation to support safe handling arrangements including the selection of engineering, administrative and personal protective equipment controls in accordance with risk-based management systems is available at each manufacturing site.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Monitoring methods ( xylene ) |  |
|-------------------------------|--|
| Biological Monitoring         | Yes  |
| Biological monitoring methods | Analysis of urine samples  |
| Taking sample time            | after work   |
| Limit                         | Methyl hippuric acid: 1500 mg/g creatinine<br>860 micromoles/mmol creatinine |

| Monitoring methods ( toluene ) |  |
|--------------------------------|--|
| Biological Monitoring          | Yes  |
| Biological monitoring methods  | Analysis of urine samples  |
| Taking sample time             | after work   |
| Limit                          | o-cresol:<br>1 mg/g creatinine;<br>1.05 micromoles/mmol creatinine |

#### 8.2. Exposure controls

- Appropriate engineering controls : Provide local exhaust or general room ventilation. Use in contained systems.
- Personal protective equipment : Gloves. EN 374. In case of splash hazard: safety glasses. EN 166. Full protective flameproof clothing.

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|                                   |  |
|-----------------------------------|--|
| Materials for protective clothing | : Protective clothing. Clothing to protect against heat and flame (EN 11612)   |
| Hand protection                   | : Wear chemically resistant gloves (tested to EN374) in combination with specific activity training. Gloves must be periodically inspected and changed in case of wear, perforations or contaminations.  |
| Eye protection                    | : If contact is likely, a protection (protective shield and/or safety goggles) should be used.   |
| Skin and body protection          | : Wear suitable coveralls to prevent exposure to the skin. Chemical resistant safety shoes   |
| Respiratory protection            | : Respirators are not required if the product used in closed technology. If necessary, approved respiratory protection equipment shall be used when handling hot product in confined spaces: enclosed face mask with cartridge/filter type "A" or self-contained breathing apparatus (SCBA). Change filter cartridge on respirator daily |



## SECTION 9: Physical and chemical properties

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

|                          |  |
|--------------------------|--|
| Physical state           | : Liquid   |
| Colour                   | : Colourless.  |
| Odour                    | : naphtha odour, characteristic.                             |
| Boiling point            | : 35 - 205 °C  |
| Explosive limits (vol %) | : 1 - 6.5 vol %  |
| Vapour pressure          | : <= 50 kPa  |
| Density                  | : 0.7596 (0.72 - 0.775) g/cm <sup>3</sup> 15°C, EN ISO 12185 |
| Viscosity, kinematic     | : < 20.5 mm <sup>2</sup> /s 40°C                             |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This substance is stable under all ordinary circumstances at ambient temperatures, and if released into the environment.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Contact with strong oxidizers (peroxides, chromates, etc.) may cause a fire hazard.

### 10.4. Conditions to avoid

They may be ignited by heat, sparks, static electricity or flames.

### 10.5. Incompatible materials

A mixture with nitrates or other strong oxidisers (e.g. chlorates, perchlorates, liquid oxygen) may create an explosive mass.

### 10.6. Hazardous decomposition products

No decomposition if stored normally.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| MOL Racing Fuel RST                       |  |
|---|--|
| LD50 oral rat                             | > 5000 mg/kg bodyweight literature data                          |
| LD50 dermal rabbit                        | > 2000 mg/kg bodyweight literature data                          |
| LC50 inhalation rat (ppm)                 | > 5 ppm/4h aerosol, literature data                              |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | > mg/l/4h  |
| mixed xylenes                             |  |
| LD50 oral                                 | 3523 mg/kg literature data                                       |
| LD50 dermal rabbit                        | 12126 mg/kg bodyweight New Zealand White rabbit, literature data |
| LC50 inhalation rat (mg/l)                | 27124 mg/m <sup>3</sup> literature data                          |
| toluene (108-88-3)                        |  |
| LD50 oral rat                             | 5580 mg/kg literature data                                       |

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| <b>toluene (108-88-3)</b>   |   |
|---|---|
| LD50 dermal rabbit  | 14.1 ml/kg literature data  |
| LC50 inhalation rat (mg/l)  | > 20 mg/l/4h literature data  |
| <b>Naphtha (petroleum), isomerization, C6-fraction (92045-58-4)</b> |   |
| LD50 oral rat   | > 5000 mg/kg bodyweight literature data   |
| LD50 dermal rabbit  | > 2000 mg/kg bodyweight literature data   |
| LC50 inhalation rat (mg/l)  | > 5.2 mg/l literature data  |
| <b>Naphtha (petroleum), isomerization (64741-70-4)</b>              |   |
| LD50 oral rat   | > 5000 mg/kg bodyweight literature data   |
| LD50 dermal rabbit  | > 2000 mg/kg bodyweight literature data   |
| LC50 inhalation rat (mg/l)  | > 5.2 mg/l literature data  |
| <b>tert-butyl methyl ether (1634-04-4)</b>                          |   |
| LD50 oral rat   | > 2000 mg/kg bodyweight literature data   |
| LD50 dermal rat   | > 2000 mg/kg bodyweight literature data   |
| LC50 inhalation rat (mg/l)  | ≈ 85 mg/l   |
| <b>2,2,4-trimethylpentane (540-84-1)</b>                            |   |
| LD50 oral rat   | > 5000 mg/kg bodyweight literature data   |
| LD50 dermal rabbit  | > 2000 mg/kg bodyweight literature data   |
| LC50 inhalation rat (Vapours - mg/l/4h)                             | > 33.52 mg/l/4h literature data   |
| <b>Cyclohexene (110-83-8)</b>                                       |   |
| LD50 oral rat   | < 2000 (≥ 1000) mg/kg bodyweight literature data                                      |
| Skin corrosion/irritation   | : Causes skin irritation.   |
| Serious eye damage/irritation                                       | : Causes serious eye irritation.  |
| Respiratory or skin sensitisation:                                  | : Not classified  |
| Germ cell mutagenicity  | : Not classified  |
| Carcinogenicity   | : Not classified  |
| Reproductive toxicity   | : Suspected of damaging fertility. Suspected of damaging the unborn child..           |
| STOT-single exposure  | : May cause drowsiness or dizziness. May cause respiratory irritation.                |
| STOT-repeated exposure  | : May cause damage to organs (nervous system) through prolonged or repeated exposure. |
| Aspiration hazard   | : May be fatal if swallowed and enters airways.                                       |
| <b>MOL Racing Fuel RST</b>  |   |
| Viscosity, kinematic  | < 20.5 mm <sup>2</sup> /s 40°C  |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life.

| <b>mixed xylenes</b>  |   |
|---|---|
| LC50 fish 1   | 2.6 mg/l literature data  |
| EC50 Daphnia 1  | 1 mg/l 24 h, literature data                                    |
| EC50 72h algae (1)  | 2.2 mg/l 72 h, literature data                                  |
| NOEC chronic fish   | > 1.3 mg/l <i>Salmo gairdneri</i> (56 days), literature data    |
| NOEC chronic crustacea  | 0.96 mg/l <i>Ceriodaphnia dubia</i> (7 days), literature data   |
| <b>toluene (108-88-3)</b>   |   |
| LC50 fish 1   | 5.5 mg/l <i>Oncorhynchus kisutch</i> , literature data          |
| EC50 Daphnia 1  | 3.78 mg/l <i>Ceriodaphnia dubia</i> , literature data           |
| NOEC chronic fish   | 1.4 mg/l <i>Oncorhynchus kisutch</i> (40 days), literature data |
| NOEC chronic crustacea  | 0.74 mg/l <i>Ceriodaphnia dubia</i> (7 days), literature data   |
| <b>Naphtha (petroleum), isomerization, C6-fraction (92045-58-4)</b> |   |
| LC50 fish 1   | 1 - 10 mg/l literature data                                     |
| EC50 Daphnia 1  | 1 - 10 mg/l literature data                                     |
| EC50 other aquatic organisms 1                                      | 1 - 10 mg/l literature data                                     |
| NOEC chronic fish   | ≥ 2.6 mg/l literature data                                      |
| NOEC chronic crustacea  | ≥ 2.6 mg/l literature data                                      |
| <b>Naphtha (petroleum), isomerization (64741-70-4)</b>              |   |
| LC50 fish 1   | 1 - 10 mg/l literature data                                     |



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### Naphtha (petroleum), isomerization (64741-70-4)

|                                |                             |
|--------------------------------|-----------------------------|
| EC50 Daphnia 1                 | 1 - 10 mg/l literature data |
| EC50 other aquatic organisms 1 | 1 - 10 mg/l literature data |
| ErC50 (algae)                  | 1 - 10 mg/l literature data |
| NOEC chronic fish              | > 2.6 ppm literature data   |
| NOEC chronic crustacea         | > 2.6 mg/l literature data  |

### 2,2,4-trimethylpentane (540-84-1)

|             |   |
|-------------|---|
| LC50 fish 1 | 18.4 mg/l<br>Oncorhynchus mykiss, literature data |
|-------------|---|

### Cyclohexene (110-83-8)

|                |   |
|----------------|---|
| LC50 fish 1    | 5.8 Oryzias latipes, literature data              |
| EC50 Daphnia 1 | 2.1 mg/l Daphnia magna, literature data           |
| NOEC (chronic) | 0.74 mg/l Daphnia magna, 21 days, literature data |

## 12.2. Persistence and degradability

### MOL Racing Fuel RST

|                               |   |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |
|-------------------------------|---|

## 12.3. Bioaccumulative potential

### Naphtha (petroleum), isomerization, C6-fraction (92045-58-4)

|         |                     |
|---------|---------------------|
| Log Kow | > 4 literature data |
|---------|---------------------|

### Naphtha (petroleum), isomerization (64741-70-4)

|         |                     |
|---------|---------------------|
| Log Kow | > 4 literature data |
|---------|---------------------|

## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

### MOL Racing Fuel RST

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                 |  |
|---------------------------------|--|
| Regional legislation (waste)    | : 2012. évi CLXXXV. törvény a hulladékról. DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives.   |
| Waste treatment methods         | : Contain and dispose of waste according to local regulations. External recovery and recycling of waste should comply with applicable local and/or national regulations. Where possible (e.g. in the absence of relevant contamination), recycling of used substance is feasible and recommended. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. |
| Sewage disposal recommendations | : Do not empty into drains. Dispose of at a licensed waste collection centre.  |
| Waste disposal recommendations  | : Clear up spills immediately and dispose of waste safely. Dispose of waste or used sacks/containers according to local regulations.   |
| Additional information          | : Handle empty containers with care because residual vapours are flammable.  |
| Ecology - waste materials       | : Hazardous waste. Avoid any discharge of the product into waste water. Recycle by distillation. Recycle/reuse. Disposal in high-temperature incinerator (> 1200 °C).  |
| EWC (EURAL) code                | : 13 07 02* - petrol   |

## SECTION 14: Transport information

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




| ADR                                  | RID          | ADN          | IMDG     | IATA     |
|--------------------------------------|--------------|--------------|----------|----------|
| <b>14.1. UN number</b>               |              |              |          |          |
| 1203                                 | 1203         | 1203         | 1203     | 1203     |
| <b>14.2. UN proper shipping name</b> |              |              |          |          |
| MOTOR SPIRIT                         | MOTOR SPIRIT | MOTOR SPIRIT | GASOLINE | Gasoline |



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| ADR   | RID  | ADN                                 | IMDG  | IATA   |
|---|--|-------------------------------------|---|--|
| <b>14.3. Transport hazard class(es)</b>   |  |                                     |   |  |
| 3<br>                                 | 3<br> | 3                                   | 3   | 3<br> |
| <b>14.4. Packing group</b>  |  |                                     |   |  |
| II  | II   | II                                  | II  | II   |
| <b>14.5. Environmental hazards</b>  |  |                                     |   |  |
| Dangerous for the environment : Yes   | Dangerous for the environment : Yes  | Dangerous for the environment : Yes | Dangerous for the environment : Yes<br>Marine pollutant : Yes | Dangerous for the environment : Yes  |
| <b>14.6. Special precautions for user</b>   |  |                                     |   |  |
| 33  | 33   | 3 + N2 + CMR + F                    | EmS-No. (Fire) F-E<br>EmS-No. (Spillage) S-E                  |  |
| F1  | F1   | F1                                  |   |  |
| Environmentally hazardous substances derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg) |  |                                     |   |  |
| No supplementary information available  |  |                                     |   |  |

### 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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006. 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.

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:

|     | Revision date | Modified |  |
|-----|---------------|----------|--|
|     | Supersedes    | Modified |  |
| 9.1 | Flash point   | Removed  |  |

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   |

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|       |   |
|-------|---|
| 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   |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID   | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS   | Safety Data Sheet   |
| STP   | Sewage treatment plant  |
| TLM   | Median Tolerance Limit  |
| 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. <http://echa.europa.eu/>. CONCAWE registration dossier. Data arise from reference works and literature. Data relies on practical experience.

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

### Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 (CLP)

|  |      |                       |
|--|------|-----------------------|
| Flammable liquids, Category 2  | H225 | on basis of test data |
| Skin corrosion/irritation, Category 2  | H315 | calculated            |
| Serious eye damage/eye irritation, Category 2  | H319 | calculated            |
| Reproductive toxicity, Category 2  | H361 | calculated            |
| Specific target organ toxicity — Single exposure, Category 3, Narcosis                     | H336 | calculated            |
| Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation | H335 | calculated            |
| Specific target organ toxicity — Repeated exposure, Category 2                             | H373 | calculated            |
| Aspiration hazard, Category 1  | H304 | on basis of test data |
| Hazardous to the aquatic environment — Chronic Hazard, Category 2                          | H411 | calculated            |

Full text of H- and EUH-statements:

|                                     |  |
|-------------------------------------|--|
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4  |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4   |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), 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                          |
| Asp. Tox. 1                         | Aspiration hazard, Category 1  |
| Carc. 1A                            | Carcinogenicity, Category 1A   |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2  |
| Flam. Liq. 1                        | Flammable liquids, Category 1  |
| Flam. Liq. 2                        | Flammable liquids, Category 2  |
| Flam. Liq. 3                        | Flammable liquids, Category 3  |
| Muta. 1B                            | Germ cell mutagenicity, Category 1B  |
| Repr. 2                             | Reproductive toxicity, Category 2  |
| Repr. 2                             | Reproductive toxicity, Category 2  |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2  |
| STOT RE 1                           | Specific target organ toxicity — Repeated exposure, Category 1                             |
| STOT RE 2                           | Specific target organ toxicity — Repeated exposure, Category 2                             |
| STOT SE 3                           | Specific target organ toxicity — Single exposure, Category 3, Narcosis                     |
| STOT SE 3                           | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H224                                | Extremely flammable liquid and vapour.   |
| H225                                | Highly flammable liquid and vapour.  |
| H226                                | Flammable liquid and vapour.   |
| H302                                | Harmful if swallowed.  |
| H304                                | May be fatal if swallowed and enters airways.  |
| H312                                | Harmful in contact with skin.  |
| H315                                | Causes skin irritation.  |

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|       |  |
|-------|--|
| H319  | Causes serious eye irritation.                                     |
| H332  | Harmful if inhaled.  |
| H335  | May cause respiratory irritation.                                  |
| H336  | May cause drowsiness or dizziness.                                 |
| H340  | May cause genetic defects.   |
| H350  | May cause cancer.  |
| H361  | Suspected of damaging fertility or the unborn child.               |
| H361d | Suspected of damaging the unborn child.                            |
| H372  | Causes damage to organs through prolonged or repeated exposure.    |
| H373  | May cause damage to organs through prolonged or repeated exposure. |
| 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.                 |

SDS EU (REACH Annex II) MOL

*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*