



# DDW 100 (solid)

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 5/29/2007

Revision date: 6/6/2018

Version: 3.1

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

#### 1.1. Product identifier

Chemical type : Mixture  
Trade name : DDW 100 (solid)  
Product code : MOL\_0832\_011

#### 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, Consumer use, Professional use  
Industrial/Professional use spec : Manufacture of substance  
Distribution of substance  
Formulation & (re)packing of substances and mixtures  
Uses in Coatings  
Use as binders and release agents  
Use in Agrochemicals  
Road and construction applications  
Rubber production and processing  
Polymer processing  
Use as a fuel  
Lubricants  
Use in laboratories  
Explosives manufacture & use  
Functional Fluids  
Other Consumer Uses  
Use as an intermediate

##### 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                             | 0870 243 2241    |         |
| 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    |         |

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### SECTION 2: Hazards identification

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

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

Not classified

#### 2.2. Label elements

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

No labelling applicable

#### 2.3. Other hazards

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] |
|--|---|---------|---|
| Paraffin waxes (petroleum), clay-treated<br>(Main constituent)           | (CAS-No.) 64742-43-4<br>(EC-No.) 265-145-6<br>(REACH-no) 01-2119487943-22 | 50 - 70 | Not classified  |
| Hydrocarbon waxes (petroleum), clay-treated microcryst.<br>(Constituent) | (CAS-No.) 64742-42-3<br>(EC-No.) 265-144-0<br>(REACH-no) 01-2119486969-09 | 30 - 50 | Not classified  |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Spillages make surfaces slippery.   |
| First-aid measures after inhalation   | : Inhalation is unlikely because of the low vapour pressure of the substance at ambient temperature.  |
| First-aid measures after skin contact | : Remove contaminated clothing, contaminated footwear and dispose of safely. Seek medical attention if skin irritation, swelling or redness develops and persists. Wash affected area with soap and water. 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. Immediately obtain specialist medical assessment and treatment for the casualty.   |
| First-aid measures after ingestion    | : Do not induce vomiting. Ask for medical advice. Do not give anything by mouth to an unconscious person.   |

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

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after inhalation   | : none expected at ambient temperature. Inhalation of fumes or oil mists produced at high temperatures may cause irritation of the respiratory tract. |
| Symptoms/effects after skin contact | : Irritation may arise in case of repeated or prolonged exposure. May cause burn in case of contact with product at high temperature.                 |
| Symptoms/effects after eye contact  | : mild eye irritation. May cause burn in case of contact with product at high temperature.  |
| Symptoms/effects after ingestion    | : few or no symptoms expected.  |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

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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.  
Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide.  
Hungarian fire hazard

### 5.3. Advice for firefighters

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.

#### 6.1.1. For non-emergency personnel

Protective equipment : Antistatic non-skid safety shoes or boots. Work gloves (preferably gauntlets) providing adequate chemical resistance.  
Emergency procedures : Eliminate all ignition sources if safe to do so (e.g. electricity, sparks, fires, flares. Stop or contain leak at the source, if safe to do so. Let molten material cool naturally. In case of solid product (e.g. flakes), avoid the generation and spreading of dust. Avoid direct contact with released material. Keep non-involved personnel away from the area of spillage. Alert emergency personnel. If required, notify relevant authorities according to all applicable regulations. Large spillages may be cautiously covered with foam, if available, to limit vapour cloud formation.

#### 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. solidified product may clog drains and sewers.

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

For containment : Stop leak without risks if possible. Collect solidified product with suitable means. Transfer collected product and other contaminated materials to suitable containers for recovery or safe disposal. In case of spillage in the water, the product will cool down rapidly and become solid. contain product with floating barriers or other equipment. collect the product by skimming or other suitable mechanical means. Consult an expert on waste disposal or treatment.  
Other information : The use of dispersants should be advised by an expert, and, if required, approved by local authorities.

### 6.4. Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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. Avoid contact with skin, eyes and clothing. Do not ingest. Prevent the risk of slipping. Do not eat, drink or smoke when using this product. Keep away from food and beverages. Wash the hands thoroughly after handling.  
Hygiene measures : Remove contaminated clothes. Contaminated work clothing should not be allowed out of the workplace. Separate working clothes from town clothes. Launder separately.

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

Technical measures : Protect drains from spills and prevent entry of molten material, since this may result in blockage on cooling. 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 only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Incompatible products : Oxidizing agent.

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### 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

Additional information : There is no specified limit for the product (or for the ingredients) according to the 25/2000. (IX. 30.) EüM-SzCsM Hungarian regulation.

### 8.2. Exposure controls

- Appropriate engineering controls : Ensure that there is a suitable ventilation system. Where hot product is handled in confined spaces, effective local ventilation must be provided.
- Personal protective equipment : Use of personal protective equipment must be consistent with good occupational hygiene practices. Gloves. EN 374. In case of splash hazard: safety glasses. EN 166. Protective clothing.
- 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. Hot/molten product. Heat resistant gloves with long cuffs, or gauntlets
- Eye protection : Hot/molten product. If splashing is likely, full head and face 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. Hot/molten product. Wear protective clothing for operations with hot material: heat resistant coveralls (with trousers legs over boots and sleeves over cuffs of gloves), heat resistant heavy duty antiskid boots (e. g. leather). For loading/unloading operations: wear safety helmet, if necessary integrated full face visor
- Respiratory protection : No respiratory protection needed under normal use conditions. Waxes may give off irritant/flammable vapours if heated close to their boiling points. Although these are unlikely to present a significant health hazard. to avoid respiratory tract irritation inhalation exposure should be kept to a minimum. by observing good work practice and ensuring good ventilation around work areas.



Thermal hazard protection : Material handled at elevated temperature may cause thermal burns by contact with molten product.

## SECTION 9: Physical and chemical properties

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

- Physical state : Solid
- Colour : white.
- Odour : odourless.
- Melting point : 58 - 61 °C
- Flash point : > 200 °C Cleveland
- Density : 0.84 - 0.86 g/cm<sup>3</sup> 15°C
- Viscosity, kinematic : 7 - 8 mm<sup>2</sup>/s 100°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.

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### 10.3. Possibility of hazardous reactions

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

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

Oxidizing agent.

### 10.6. Hazardous decomposition products

No decomposition if stored normally.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| DDW 100 (solid)    |   |
|--------------------|---|
| LD50 oral rat      | > 5000 mg/kg bodyweight literature data |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight literature data |

| Paraffin waxes (petroleum), clay-treated (64742-43-4) |   |
|---|---|
| LD50 oral rat   | > 5000 mg/kg bodyweight literature data |
| LD50 dermal rat                                       | > 2000 mg/kg bodyweight literature data |

| Hydrocarbon waxes (petroleum), clay-treated microcryst. (64742-42-3) |   |
|--|---|
| LD50 oral rat  | > 5000 mg/kg bodyweight literature data |
| LD50 dermal rat  | > 2000 mg/kg bodyweight literature data |

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation: : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

| DDW 100 (solid)      |                                |
|----------------------|--------------------------------|
| Viscosity, kinematic | 7 - 8 mm <sup>2</sup> /s 100°C |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

| DDW 100 (solid)               |                            |
|-------------------------------|----------------------------|
| LC50 fish 1                   | > 100 mg/l literature data |
| EC50 Daphnia 1                | > 100 mg/l literature data |
| EC50 72h algae (1)            | > 100 mg/l literature data |
| TLM other aquatic organisms 1 | > 1 mg/l literature data   |

| Paraffin waxes (petroleum), clay-treated (64742-43-4) |                            |
|---|----------------------------|
| LC50 fish 1   | > 100 mg/l literature data |
| EC50 Daphnia 1  | > 100 mg/l literature data |
| EC50 other aquatic organisms 1                        | > 100 mg/l literature data |
| TLM other aquatic organisms 1                         | > 1 mg/l literature data   |

| Hydrocarbon waxes (petroleum), clay-treated microcryst. (64742-42-3) |                            |
|--|----------------------------|
| LC50 fish 1  | > 100 mg/l literature data |
| EC50 Daphnia 1   | > 100 mg/l literature data |
| EC50 other aquatic organisms 1                                       | > 100 mg/l literature data |
| TLM other aquatic organisms 1  | > 1 mg/l literature data   |

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### 12.2. Persistence and degradability

| DDW 100 (solid)  |                        |
|--|------------------------|
| Biodegradation   | inherent biodegradable |
| Paraffin waxes (petroleum), clay-treated (64742-43-4)                |                        |
| Biodegradation   | inherent biodegradable |
| Hydrocarbon waxes (petroleum), clay-treated microcryst. (64742-42-3) |                        |
| Biodegradation   | inherent biodegradable |

### 12.3. Bioaccumulative potential

| DDW 100 (solid)  |   |
|--|---|
| Log Kow  | < 6 (≥ 2) potentially bioaccumulative                   |
| Paraffin waxes (petroleum), clay-treated (64742-43-4)                |   |
| Log Kow  | > 6 (≥ 2) literature data, potentially bioaccumulative  |
| Hydrocarbon waxes (petroleum), clay-treated microcryst. (64742-42-3) |   |
| Log Kow  | > 6 (≥ 2) potentially bioaccumulative (literature data) |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

| DDW 100 (solid)  |  |
|--|--|
| 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 and 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 08 99* - wastes not otherwise specified   |

## SECTION 14: Transport information

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

| ADR                                | RID           | ADN           | IMDG          | IATA          |
|------------------------------------|---------------|---------------|---------------|---------------|
| 14.1. UN number                    |               |               |               |               |
| Not regulated                      | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name      |               |               |               |               |
| Not regulated                      | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es)   |               |               |               |               |
| Not regulated                      | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group                |               |               |               |               |
| Not regulated                      | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards        |               |               |               |               |
| Not regulated                      | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.6. Special precautions for user |               |               |               |               |
|                                    |               |               |               |               |

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| ADR                                    | RID | ADN | IMDG | IATA |
|--|-----|-----|------|------|
| 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:

|        |              |         |                                |
|--------|--------------|---------|--------------------------------|
| 1.-16. | All Sections | updated | All Sections have been updated |
|--------|--------------|---------|--------------------------------|

Abbreviations and acronyms:

|       |   |
|-------|---|
| ADN   | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways   |
| ADR   | European Agreement concerning the International Carriage of Dangerous Goods by Road               |
| ATE   | Acute Toxicity Estimate   |
| BCF   | Bioconcentration factor   |
| CLP   | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| DMEL  | Derived Minimal Effect level  |
| DNEL  | Derived-No Effect Level   |
| EC50  | Median effective concentration  |
| IARC  | International Agency for Research on Cancer   |
| IATA  | International Air Transport Association   |
| IMDG  | International Maritime Dangerous Goods  |
| LC50  | Median lethal concentration   |
| LD50  | Median lethal dose  |
| LOAEL | Lowest Observed Adverse Effect Level  |
| NOAEC | No-Observed Adverse Effect Concentration  |
| NOAEL | No-Observed Adverse Effect Level  |
| NOEC  | No-Observed Effect Concentration  |
| OECD  | Organisation for Economic Co-operation and Development  |
| PBT   | Persistent Bioaccumulative Toxic  |
| PNEC  | Predicted No-Effect Concentration   |
| 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.

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

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*