

# EC-Safety Data Sheet conforming to 1907/2006/EG, Article 31

Soraja HM 46

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

|  |   |
|--|---|
| 1.1 Product identifier                               | Soraja HM 46  |
| 1.3 Details of the supplier of the safety data sheet | MOLYDUVAL GmbH * Halskestr.6 * 40880 Ratingen * Germany * +49 (2102) 9757-00 * safety@molyduval.com |
| 1.4 Emergency telephone number                       | +49 (2102) 9757-20 (24h)  |

## SECTION 2: Hazards Identification

|   |  |
|---|--|
| 2.1 Classification of the substance or mixture 1272/2008/EG | This material is considered to be non-hazardous (is not to be marked). |
| 2.2 label elements  |  |
| 2.3 Other hazards   | -  |

## SECTION 3: Composition - Information on Ingredients

|              |   |
|--------------|---|
| 3.2 Mixtures | Mixture. There are no ingredients present which are classified as hazardous to health or the environment within the current knowledge of the supplier and in the concentrations applicable. All components comply with the guidelines for the use as a lubricant with incidental food contact in the food and pharmaceutical industries. (NSF H1) |
|--------------|---|

## SECTION 4: First Aid Measures

|  |   |
|--|---|
| General Instructions   | Remove victim from danger zone, without exposing yourself to any personal risk. Remove wetted clothing and shoes and clean items before using them again. |
| After Inhalation   | Remove exposed person to fresh air.   |
| After Skin Contact   | Wash with plenty of soap and plenty of water. Consult a doctor if skin irritation persists.   |
| After Eye Contact  | Flush with water  |
| After Ingestion  | Rinse mouth and drink plenty of water. Do not induce vomiting. If symptoms persist, seek medical advice.  |
| Most important symptoms and effects, both acute and delayed                | No information available  |
| Indication of any immediate medical attention and special treatment needed | Prolonged or repeated exposure may cause skin discomfort.   |

## SECTION 5: Fire-Fighting Measures

|   |   |
|---|---|
| 5.1 Extinguishing media                                   | Suitable extinguishing media : Water spray. Foam. Dry powder. Carbon dioxide (CO2).<br>Unsuitable extinguishing media : Strong water jet.   |
| 5.2 Special hazards arising from the substance or mixture | In case of a fire, there may arise poisonous (CO, CO2 and other organic gases) gases.<br>Run-off does not allow to enter drains or watercourses by firefighters.  |
| 5.3 Advice for firefighters                               | If necessary, use in case of fire, self contained breathing apparatus. Collect contaminated firefighting water separately, must not be discharged into drains. Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations.<br>Extinguishing measures to the surroundings. Standard procedure for chemical fires.<br>Extinguishing measures to the surroundings. |

## SECTION 6: Accidental release measures

|   |  |
|---|--|
| 6.1 Personal precautions, protective equipment and emergency procedures | Wear personal protective equipment. Avoid contact with eyes and skin.  |
| 6.2 Special Environmental Protection                                    | Avoid entering into drains, water courses or soil. Fire or police agree, if the product has escaped into a water course or sewage system, or has contaminated the soil and plants. |
| 6.3 Methods and material for containment and cleaning up                | Use oil sucking materials f.e chemical absorbents.   |
| 6.4 Reference to other sections   | n.a.   |

## SECTION 7: Handling and Storage

|                                   |  |
|-----------------------------------|--|
| 7.1 Precautions for safe handling | Open and handle with the general caution when handling lubricants. |
|-----------------------------------|--|

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7.2 Conditions for safe storage, including any incompatibilities      Keep container closed. Store in a cool, well ventilated place away from incompatible materials. Do not handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight. Do not pressurize, cut, heat, or weld containers. Storage Class VCI: 10 Flammable Liquids

## SECTION 8: Limiting and supervising the exposure / personal protection

8.2 Limitation and supervision of exposure  
- Personal Protective Equipment      Respiratory protection: Not required, except in case of aerosol formation. Avoid inhalation of vapors. Use respiratory protective device against the effects of fumes / dust / aerosol. Combination filter, eg. As DIN 3181 ABEK  
Hand protection: Gloves - oil resistant. Glove material: nitrile rubber, butyl rubber or fluoro rubber. Recommended thickness: = 0,4 mm. Penetration time of glove material Value for the permeation: Level = 480 min. The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of breakthrough time is recommended.  
Eye protection: Safety glasses  
Hygiene measures: Wash hands before breaks and immediately after handling the product. Keep working clothes separately. Take off all contaminated clothing immediately.  
Protective measures: Handle in accordance with good industrial hygiene and safety practice.  
Body protection: work clothes

8.3 Delimitation and monitoring of environmental exposure      Do not discharge into surface water or drains

## SECTION 9: Physical and Chemical Properties

|                                 |                        |
|---------------------------------|------------------------|
| Appearance Form                 | liquid                 |
| Color                           | transparent            |
| Appearance                      | like oil               |
| Odour                           | without                |
| Boiling Point / Boiling Range   | -                      |
| Melting Point / Melting Range   | -                      |
| Flash Point                     | -                      |
| Autogenous Ignition Temperature | -                      |
| Upper Explosion Limit           | -                      |
| Lower Explosion Limit           | -                      |
| Vapor Density                   | -                      |
| Specific Gravity, 20°C          | 0,87 g/cm <sup>3</sup> |
| Water Solubility                | N                      |
| Viscosity, 40°C                 | 47 mm <sup>2</sup> /s  |
| VOC-Content                     | -                      |

## SECTION 10: Stability and Reactivity

|  |  |
|--|--|
| 10.1 Reactivity  | This product is stable in normal-use temperatures.   |
| 10.2 Chemical Stability                                | Stable under normal conditions   |
| 10.3 Possibility of hazardous reactions                | No dangerous reaction known under conditions of normal use. Fumes can combine with air to form an explosive mixture. |
| 10.4 Conditions to be avoided                          | No information available   |
| 10.5 Incompatible Materials                            | no information available   |
| 10.6 Hazardous products of instability / decomposition | no   |

## SECTION 11: Toxicological Information

|                           |                   |
|---------------------------|-------------------|
| Symptoms after ingestion  | no data available |
| At Skin Contact           | No hazard.        |
| Symptoms after Inhalation | no data available |

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|                             |  |
|-----------------------------|--|
| Symptoms after eye contact  | No hazard.   |
| Other information           | Product meets requirements for use as a lubricant with incidental food contact in the food industry.   |
| Toxicological Tests         | There are no human toxicological data.   |
| Further Toxicologic Effects | Not classified as toxic. Not classified as caustic or irritant for skin. Not classified as caustic or irritant for eyes. The inhalation of thermal decomposition products, in the form of vapor, mist or fumes may be harmful. Not classified as a skin sensitizer. Not as CMR classified (carcinogen, mutagen or reproductive toxic). Not as a target organ toxic classified. |

## SECTION 12: Ecological Information

|   |   |
|---|---|
| 12.2 Persistence and degradability      | Ecotoxicological data have not been determined specifically for this product. The information provided is based on the knowledge of the components. Product is not readily biodegradable. The main constituents are expected to be inherently biodegradable, but some components that may persist in the environment. |
| 12.3 Bioaccumulative potential          | not information available   |
| 12.4 Mobility in soil                   | No information available  |
| 12.5 Results of PBT and vPvB assessment | No information available  |
| 12.6 Other adverse effects              | No information available  |

## SECTION 13: Disposal Considerations

|                              |   |
|------------------------------|---|
| 13.1 Waste treatment methods | May not be disposed together with domestic rubbish. Disposal in compliance with federal, state, and local laws. EAK Waste Product Code : 130205 |
|------------------------------|---|

## SECTION 14: Transport information in accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

|   |   |
|---|---|
| 14.1 UN-No  | Not classified as dangerous in the meaning of transport regulations |
| 14.2 UN proper shipping name  | No  |
| 14.3 Transport hazard class   | No transport regulations.   |
| 14.4 Packing group  | -   |
| 14.5 Environmental hazards  | n.a.  |
| 14.6 Special precautions for user   | No information available  |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | No information available  |

## SECTION 15: Regulatory Information

|   |  |
|---|--|
| 15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture | DE: water polluting category: 1<br>No Precautionary Labels.<br>WGK 1 |
| 15.2 Chemical safety assessment   | There is no information available                                    |

## SECTION 16: Further Information

|  |  |
|--|--|
| 16.1 Full text of the dangers in section 2 and 3 | -  |
| 16.2 Further Information                         | The information in this SDS is correct to the best of our knowledge at the time of its publication. The information is intended to give you advice about the safe handling of the product named in this safety during storage, processing, transport and disposal. The details are not transferable to other products. The information given in this safety combination with any other materials or in any process, or undergoes processing, can use the information in this SDS, to the extent that it does not specifically indicate otherwise, are not transferred to the new made material. The material data referred to in item 9 are safety information, but no guarantees on properties. Warranties are excluded without clarification of the technical intended use and the operating conditions. If you have further questions we are available. |