

# Safety Data Sheet

As per EC Directive No. 1907/2006



OMV BIXXOL EXTRA  
PdNr. 163030

Date of issue: 07.11.2006  
Revision Date: 12.10.2007

## 1. Identification of the substance/preparation and the company/undertaking

|   |   |   |
|---|---|---|
| Trade name                                    | : | OMV BIXXOL EXTRA  |
| Designation as per the registration / marking | : | No data available yet   |
| Registration number                           | : | No data available yet   |
| Producer                                      | : | OMV Refining & Marketing GmbH<br>Lassallestraße 3, 1020 Vienna, Austria |
| Telephone                                     | : | +43 (0) 810 240 282   |
| Emergency telephone number                    | : | +43 (0) 664 91 08 787   |
| E-mail address of the expert person           | : | info.reach@omv.com  |
| Determining Use                               | : | Engine oil  |

## 2. Hazards identification

### Classification

The product is a hazardous composition in accordance with the Chemical Act

-, R52/53

|                       |   |   |
|-----------------------|---|---|
| Environmental hazards | : | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
|-----------------------|---|---|

### Additional information on hazards for man and environment

no information

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## 3. Composition/information on ingredients

### Chemical characterization

Processed in accordance with the Chemical Act.  
Hydrocarbon mix

| Components <sup>(1)</sup>   | CAS-No.    | EC-No.    | Classification           | Concentration [%] | Note |
|---|------------|-----------|--------------------------|-------------------|------|
| Polyolefin polyamin succinimid  | polymere   | -         | -, R53                   | <= 2,47           |      |
| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts         | 68649-42-3 | -         | Xi, R41; N, R51/53       | <= 0,90           |      |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | 68411-46-1 | 270-128-1 | N, R51/53                | <= 0,67           |      |
| Alkylphenol, branched, Ca salt  | polymere   | -         | R62; Xi, R38 ; N, R50/53 | <= 0,11           |      |

<sup>1)</sup> No product specification / max. possible mass percentages

## 4. First aid measures

|                              |   |   |
|------------------------------|---|---|
| <b>General advice</b>        | : | no information  |
| <b>Inhalation</b>            | : | After inhalation of vapours or oil mists the affected person(s) are to be taken to fresh air. (Because of the low volatility only high product temperatures and insufficient ventilation of the rooms may lead to dangerous concentrations of the vapours.) |
| <b>Skin contact</b>          | : | After skin contact wash it thoroughly off using water and soap, contaminated clothing is to be taken off.   |
| <b>Eye contact</b>           | : | After eye contact rinse under running water with eye lids spread for 15 minutes. In case of persistent discomforts an ophthalmologist is to be consulted.   |
| <b>Ingestion</b>             | : | Do not induce vomiting. Consulting a doctor.  |
| <b>Intake into the Lungs</b> | : | In case of suspicion (vomiting, coughing, breathing troubles) a doctor is to be consulted.  |

### Notes to physician

|                  |   |  |
|------------------|---|--|
| <b>Symptoms</b>  | : | Nausea, vomiting and diarrhoea as well as the risk of a chemical pneumonia due to the aspiration during swallowing or vomiting are possible. Product vapours in high concentrations may cause irritations of the eyes and mucous skins (nose, throat). |
| <b>Risks</b>     | : | Upon aspiration risk of a chemical pneumonia. In-patient treatment in a hospital to be initiated.  |
| <b>Treatment</b> | : | no information   |

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## 5. Fire-fighting measures

|  |   |  |
|--|---|--|
| <b>Suitable extinguishing media</b>  | : | Foam, powder, carbon dioxide, water in the spraying jet.   |
| <b>Unsuitable extinguishing agents</b>   | : | Water in a full jet;   |
| <b>Particular hazards due to the substance or the preparation, its products of combustion, or the gases produced during the combustion</b> | : | Evaporated product is heavier than air and rests close to the bottom. The vapours can produce an explosive mixture together with air. Prevent the penetration into the sewer system and rooms at low levels. Prevent the penetration into the soil and waters.                 |
| <b>Special protecting equipment</b>  | : | Use a respiratory protecting device independent from the ambient air (insulating device) and in the case of a massive release and/or production of pollutants an absolutely tight chemical protection suit.  |
| <b>Further information</b>   | : | Containers in the close environment are to be cooled immediately using water spraying and, if possible, removed from the dangerous zone. Fire residues and contaminated extinguishing water have to be properly disposed of in accordance with the local official regulations. |

## 6. Accidental release measures

|  |   |  |
|--|---|--|
| <b>Personal precautions</b>                            | : | Approaching only in the direction of the wind (changes in that direction to be considered). Hazardous area to be determined and sealed off. Keep unconcerned persons off the site. Concerned rooms to be ventilated thoroughly. Avoid contact with the skin.   |
| <b>Environmental precautions</b>                       | : | Escaping point to be sealed. Preventing the penetration into the sewer system, surface waters, and the groundwater by erecting sand and/or earth blockings or by means of other suitable blocking measures. In the case of escapes into surface waters, the sewer system, or into the soil the competent authorities are to be informed. |
| <b>Suitable processes for cleaning or absorption</b>   | : | Major amounts to be aspirated or pumped over. Residual amounts to be absorbed and/or contained using non-flammable absorbing material like e.g. sand, earth, or oil binding agents. This waste is to be filled in properly marked hazardous goods containers and disposed of in accordance with the official regulations then.           |
| <b>Unsuitable processes for cleaning or absorption</b> | : | No data available  |
| <b>Information on the controlled release</b>           | : | not applicable   |

### Additional advice

See also item 8 (personal protective equipment) and 13 (disposal).

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## 7. Handling and storage

### Handling

|  |   |  |
|--|---|--|
| <b>Information on the safe handling</b>                | : | Very good aeration and ventilation of the workplace and of the storage room, also close to the bottom, to be assured. Contact with the skin, eyes, and clothing to be avoided. Formation of aerosols to be avoided. Spilling of the product to be avoided.   |
| <b>Advice on protection against fire and explosion</b> | : | Evaporated product is heavier than air and rests close to the bottom. The vapours can produce an explosive mixture together with air. Prevent the penetration into the sewer system and rooms at low levels. Prevent the penetration into the soil and waters. Measures against electrostatical charging to be taken. All devices to be earthed or connected via conductors. Sources of ignition to be kept off. |

### Storage

|  |   |  |
|--|---|--|
| <b>Requirements for storage areas and containers</b> | : | Mobile containers to be kept tightly closed and at a thoroughly ventilated place. Only approved stationary containers to be used. All tanks and devices to be earthed or connected via conductors. Storage upon a suitable underground. Normally, a tightly sealed and resistant storage room is required.   |
| <b>Further information on storage conditions</b>     | : | Heat influences to be avoided. Sources of ignition to be kept off.   |
| <b>Advice on common storage</b>                      | : | Not to be stored together with explosive substances, with compressed or liquefied gases or gases stored in pressurized state, with substances promoting ignition (TRGS 515, group 1, TRGS 511, groups A-C), and with substances that may be contagious. Restrictions to be observed when stored together with pressurized gas containers, with with ignitable solid substances (2nd Blasting Ordinance, groups I to III), with self-ignitable substances, with substances that form ignitable gases upon the contact with water, with substances that promote ignition (TRGS 515, groups 2 and 3, TRGS 511, groups A to C), with organic peroxydes, and with radioactive substances. |

### Specific use(s)

|   |   |   |
|---|---|---|
| <b>Information relating to special applications</b> | : | To be used only for the intended purpose. |
|---|---|---|

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## 8. Limitations and supervision of the exposure / personal protecting equipment

### Exposure Limit Values

#### Occupational limit value of the product

No data known

#### Biological limit values

No data known

### General safety measures

|                         |   |  |
|-------------------------|---|--|
| <b>Hygiene measures</b> | : | Direct contact with the eyes, the skin, and clothing to be avoided. Contaminated clothing to be changed. Clothing contaminated by that substance to be changed immediately and not to be reused before its cleaning. |
|-------------------------|---|--|

### Personal protective equipment

|                               |   |  |
|-------------------------------|---|--|
| <b>Respiratory protection</b> | : | When vapours are produced: respiratory protecting and filtering device with gas filter A, characteristic colour: brown (A1 up to 0.1 % vv, A2 up to 0.5 % vv, A3 up to 1 % vv) to be used. In the case of high concentrations and ambiguous situations a respiratory protecting device independent from the ambient air (insulating device) is to be used only.  |
| <b>Hand protection</b>        | : | In case of possible hand contact, wear liquid-proof protective gloves<br><b>Material: Nitrile ; e.g. Camatril Velours 730;</b><br>Break through time: 480 min<br>Strength of material: 0,40 mm<br>Test method: DIN EN 374<br>Producer: Kächele Cama Latex GmbH, D-36124 Eichenzell<br><b>Material: Viton; e.g. Vitoject 890;</b><br>Break through time: 480 min<br>Strength of material: 0,70 mm<br>Test method: DIN EN 374<br>Producer: Kächele Cama Latex GmbH, D-36124 Eichenzell<br><b>Material: Butyl; e.g. Butoject 898;</b><br>Break through time: 120 min<br>Strength of material: 0,70 mm<br>Test method: DIN EN 374<br>Producer: Kächele Cama Latex GmbH, D-36124 Eichenzell<br><b>Material: Polychloroprene; e.g. Camapren 722;</b><br>Break through time: 60 min<br>Strength of material: 0,60 mm<br>Test method: DIN EN 374<br>Producer: Kächele Cama Latex GmbH, D-36124 Eichenzell<br><br>Because of the great number of influence factors (e.g. temperature, mechanical stress) the duration of use of the recommended chemical protection gloves can be shorter than the penetration time determined in accordance with EN 374. |
| <b>Eye protection</b>         | : | safety glasses with side-shields   |
| <b>Body protection</b>        | : | Permanently flame-retardent and permanently antistatic protecting clothing to be used.   |

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## Limitations and supervision of the exposure of the environment

|   |   |   |
|---|---|---|
| <b>Limitations and supervision of the exposure of the environment</b> | : | Use preferably closed apparatuses. If the product cannot be prevented from escaping it is to be aspirated at the escaping point as safely as possible. Emission limits to be respected, cleaning of the exhaust air to be provided (if required). Also refer to point 6 "Measures in the cases of accidental release" |
|---|---|---|

## 9. Physical and chemical properties

### General Information

|                            |   |          |
|----------------------------|---|----------|
| <b>Appearance</b>          | : | liquid   |
| <b>Aggregate condition</b> | : | liquid   |
| <b>Colour</b>              | : | brownish |
| <b>Odour</b>               | : | mild     |

### Important Health Safety and Environmental Information

|   | Values                    | Method           | Note           |
|---|---------------------------|------------------|----------------|
| pH                                      |                           |                  | not applicable |
| Boiling point/range                     |                           |                  | not determined |
| Pour Point                              | < -30 °C                  | ISO 3016         |                |
| Flash point                             | > 210 °C                  | ISO 2592         |                |
| Flammability (solid, gas)               |                           |                  | not applicable |
| Ignition temperature                    |                           |                  | not determined |
| Explosive properties                    |                           |                  | not applicable |
| Lower explosion limit                   |                           |                  | not determined |
| Upper explosion limit                   |                           |                  | not determined |
| Oxidizing properties                    |                           |                  | not applicable |
| Vapour pressure                         |                           |                  | not determined |
| <b>Density</b>                          | <b>864 kg/m3 at 20 °C</b> | <b>DIN 51757</b> |                |
| Water solubility                        | < 0,01 g/l at 20 °C       |                  |                |
| Partition coefficient (n-octanol/water) |                           |                  | not determined |
| Viscosity, kinematic                    | 14,5 mm2/s at 100 °C      | ISO 3104         |                |
| Viscosity, dynamic                      |                           |                  | not determined |
| Vapour density                          |                           |                  | not applicable |
| Evaporation rate                        |                           |                  | not applicable |

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## 10. Stability and reactivity

|  |   |  |
|--|---|--|
| Conditions to avoid  | : | No avoidable substances known when used as intended. |
| Materials to avoid   | : | strong acids and oxidizing agents                    |
| Hazardous decomposition products                               | : | not determined                                       |
| Additional information concerning the stability and reactivity | : | no information                                       |

### Additional advice

no information

## 11. Toxicological data

|   |   |  |
|---|---|--|
| Acute oral effect                         | : | Nausea, vomiting and diarrhoea as well as the risk of a chemical pneumonia due to the aspiration during swallowing or vomiting are possible. |
| Acute inhaling effect                     | : | Product vapours in high concentrations may cause irritations of the eyes and mucous skins (nose, throat).                                    |
| Acute dermatological effect               | : | Degreasing effect  |
| Acute effect (other)                      | : | no information   |
| Skin irritation                           | : | Temporary light irritation possible  |
| Eye irritation                            | : | Temporary irritation possible  |
| Narcotic effect                           | : | no narcotic effect known   |
| sensitization                             | : | Possible upon skin contact   |
| Effect upon repeated or longtime exposure | : | Repeated skin contact may lead to symptoms of irritation and/or inflammatory reactions (dermatitis).   |
| Carcinogenic effect                       | : | no information   |
| Mutagenic effect                          | : | no information   |
| Teratogenic effect                        | : | no information   |
| Other effects                             | : | no information   |

## 12. Environmentally specific data

### Ecotoxicity

No data known

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## Mobility

|  |   |                   |
|--|---|-------------------|
| Transport between environmental compartments | : | no data available |
|--|---|-------------------|

## PBT and degradability

|                                      |   |   |
|--------------------------------------|---|---|
| Persistence                          | : | no data available   |
| Biodegradability                     | : | no data available   |
| Effects upon sewage treatment plants | : | no information  |
| Physical-chemical eliminatability    | : | The product is insoluble and floats on water.   |
| Bioaccumulation                      | : | no data available<br>Bioaccumulative potential: not determined  |
| Other adverse effects                | : | Do not discharge liquid hydrocarbons into sewer system, water bodies and prevent from entering the ground. In case of accidents call oil-fighting team. |

## 13. Disposal considerations

|   |   |  |
|---|---|--|
| Information on the disposal of the product  | : | ÖNORM S 2100, key code group 54<br>Product residues are to be disposed of in accordance with the legal stipulations.   |
| Contaminated packaging  | : | Empty original containers are to be reused preferably or, if this is not possible, they are to be recycled preferably. |
| <b>Disposal key according to European disposal index when using as described in chapter 1.:</b> |   |  |
| Waste from residues   | : | 13 02 05 unchlorinated machinery, gear system, and lubricating oils on the basis of mineral oil                        |
| Contaminated packaging  | : | 15 01 10 packaging which contain residues of hazardous substances or which are contaminated by hazardous substances    |

## Additional advice

no information

## 14. Transport information

Acc. to ADR/RID/AND no hazardous materials

## 15. Information on legal stipulations

### Assessment of substance safety

not available

Designation in accordance with EU guidelines 67/548/EWG and/or 1999/45/EG



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## R-phrases:

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## S-phrases:

S35 This material and its container must be disposed of in a safe way.  
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

## Sensitizing agent

: contains Benzenesulfonic acid, propenated, calcium salt, overbased.  
May produce an allergic reaction.

## Community provisions on the protection of the health and the environment

### Content of VOC

: The product is not subject to the VOC guideline.

## 16. Other information

### Further information

#### Text of R-phrases referred to under headings 2 and 3:

R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R53 May cause long-term adverse effects in the aquatic environment.  
R62 Possible risk of impaired fertility.

The above data are in accordance with our knowledge and experience at the given date of revision and exclusively refer to the product in its as-delivered condition as it is unambiguously identifiable by the product number. In the case of usages deviating from those given in point 1 or when the product is mixed with other materials or is altered in the course of a production process, the statements given in the material safety data sheet may not apply without restrictions or even not at all any more. The data are not applicable to other products of the same or a similar designation.

Markings (I) in the left border indicate changes in the previous main version.