

### 1) Matter/Formulation – Company

**Product:** ENVIRO<sub>2</sub>PRO wear protection additive  
**Product-No:** MT3; MT5; MT10; MT15; MT20  
**Utilization:** Additive for gearbox and/or differential  
**Company:** Enviro2 GmbH  
 Nicolaus-Otto-Str. 10  
 D-89079 Ulm-Donautal

**Homepage:** <http://www.enviro2.com>  
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**Phone:** 0731/705 152 11

### 3) Possible Risks

No possible risks are known.

### 2) Facts about Ingredients

| Ingredient            | Content [%] | EINECS-No. | CAS-No. | R-Sets          | S-Sets |
|-----------------------|-------------|------------|---------|-----------------|--------|
| Gear oil 85 W-90 GL 4 | 99.9 %      |            |         | 38-41 , 51 - 53 |        |
| Aluminum oxide        | < 0.1%      |            |         |                 |        |
| Silicon oxide         | < 0.1%      |            |         |                 |        |
| Carbon dioxide        | < 0.1%      |            |         |                 |        |

### 4) First Aid

#### General Terms

Change bedewed clothes

#### By Breath

Get fresh air. If there are any problems look for medical advice.

#### By contact with the skin

At skin irritation look for medical advice.

#### By eye contact

By contact with the eyes rinse it with water and take medical advice.

#### By chocking

No induce of vomitus. Rinse the mouth with water and drink as much as possible. Take medical advice.

#### General Terms for the doctor

Examine symptomatically

### 5) Arrangements for fire control

#### Useful extinguishing device

Carbon dioxide, dry powder, foam, water spray beam.

#### Insufficient extinguishing device

Full water beam

#### Special risks of the matter or the product or its combustion products

Risk of forming toxic Pyrolyse products  
 Carbon monoxide (CO)  
 Sulfur oxide, Nitric oxide (NO<sub>x</sub>)

#### Special safety equipment for fire fight

Do not breathe explosion and fire gases.  
 Use a self-contained breathing apparatus.

#### Further Advice

Fire residues and contaminated water should be cleaned up due to the guidelines of the state.

### 6) Arrangements at accidental disposal

#### Safety guidelines for Persons

Slip danger due to the discharged product.

#### Environmental Responsibility

Obviation of enlargement (e.g.confine or oil bans). Do not put it into the canalization /surface water/ground water.

#### Arrangement to clean

Use liquid binding effect material (e.g. sand, sawdust, Universal binding material, kieselguhr).  
 Decontaminate the material according to regulations

### 7) Storage Terms

#### General Safety Terms

By correct using there aren't problems. Storage temperature 5-40°C.

#### Advice for Explosing and Brand safety

No special arrangements necessary.

#### Requirements for Strage and Package

Be careful that the dissolver does not get into the bottom or groundwater

#### Advice to Storage

Do not storage with oxidation material.

#### Further advise for Storage

Store package at a ventilated place, packages have to be closed.

### 8) Limitation of Exposition and personal safety equipment

#### Further advice for the creation of the technical constructions

#### Ingredients concerning the working area and the monitoring max. values

| Ingredient                | CAS | Value:                   |
|---------------------------|-----|--------------------------|
| base oil no specification |     | MAK : 100 ppm            |
| Gear oil 85W90            |     | MAK: 5 mg/m <sup>3</sup> |
| Aluminum oxide            |     | MAK: 4 mg/m <sup>3</sup> |
| Silicon oxide             |     | -                        |
| Carbon                    |     | -                        |

Not relevant.

#### Breathing protection

Not applicable.

#### Hand guard

gloves (dissolver unaffected).

#### Eye protection

Safety glasses.

#### Body protection

Not applicable.

#### General Safety Terms

Avoid contact with eyes or hands.  
 Do not breathe Gas/ vapors/ Aerosols.

#### Hygienic Arrangements

Clean your hands before breaks and after work. Prevention by using a hand crème.

#### Limitation and monitoring of environmental exposition

### 9) Physical and chemical Characteristics

|   |                                     |
|---|-------------------------------------|
| <b>Form:</b>                                  | liquid                              |
| <b>Color:</b>                                 | brown                               |
| <b>Smell:</b>                                 | Characteristic                      |
| <b>pH-value:</b>                              | no data available                   |
| <b>Boiling Point [°C]:</b>                    | no data available                   |
| <b>SAE-category</b>                           | <b>85W-90GL4</b>                    |
| <b>Flame point:</b>                           | 222°C DIN ISO 2592                  |
| <b>Combustion:</b>                            | no data available                   |
| <b>Lower Explosion edge:</b>                  | no data available                   |
| <b>Upper Explosion edge:</b>                  | no data available                   |
| <b>Oxidizing:</b>                             | No                                  |
| <b>Vapors pressure [hPa]: (20°C)</b>          | no data available                   |
| <b>Density at 15°C [g/m<sup>3</sup>]:</b>     | 897 DIN 12185                       |
| <b>Solubility within water:</b>               | not solubility                      |
| <b>Viscosity: (40°C)</b>                      | 153 mm <sup>2</sup> /s DIN 51562-1  |
| <b>Viscosity: (100°C)</b>                     | 16.1 mm <sup>2</sup> /s DIN 51562-1 |
| <b>Viscosity index</b>                        | 110 DIN ISO 2909                    |
| <b>VKA-value</b>                              | >12KN DIN 51350                     |
| <b>Relative vapor density due to the air:</b> | no data available                   |
| <b>Speed of Vaporisation:</b>                 | no data available                   |
| <b>Dripping Point [°C]:</b>                   | -35                                 |
| <b>Self-combustion:</b>                       | no data available                   |

### 10) Steadiness and Reactivation

**Risky reactions**  
 Reactions with strong oxidation material

**Risky decomposition product**  
 No known decomposition products.  
 Avoid thermal decomposition.

### 11) Facts about Toxicology

|  |                   |
|--|-------------------|
| <b>Akute orale Toxicity</b>              | LD50 :            |
| <b>Akute dermal Toxicity</b>             | LD50 :            |
| <b>Akute inhalative Toxicity</b>         | LD50 :            |
| <b>Irritation at the eye</b>             | no data available |
| <b>Awareness raising/Evaluation</b>      | no data available |
| <b>Chronical Toxicity/ Evaluation</b>    | no data available |
| <b>Reproduction toxicity/ Evaluation</b> | no data available |
| <b>Cancer organity/ Evaluation</b>       | no data available |

**Practical Experience**  
 No

**General Remarks**  
 Toxicological data does not exist. The category is done by the calculation of the ingredients regulations (88/379/EWG).

### 12. Facts about Ecology

**Biodegradable**  
 Not applicable.

**Fish toxicity**

**Advice for filter points**  
 Not applicable.

**AOX advice**  
 No dangerous ingredients.

**General Terms**  
 Ecological data of the complete product is not available.

**A recipe connection by 76/464/EWG**  
 Yes.

### 13. Advice for disposal

**Disposal/ Product**  
 Ask producer about recycling. Bear in mind the regulations and guidelines and use a combustion construction.

**Pollution Key-No.:** 130205\*

**Disposal/ uncleaned packages**  
 Non contaminated packages can be recycled. Uncleaned packages have to be disposed due to the matter.

### 14. Facts about transport

#### 14.1 Category by ADR

**ADR:** no hazardous good  
**Type of good:**  
**Description:**  
**Factor (ADR 10 011):**  
**Hazardous-No.:**  
**Hazard label:**

#### 14.2 Category by IMDG:

**IMDG Code:** not classified as Dangerous Goods  
**Type of good:**  
**Description:**  
**Hazard label:**

#### 14.3 Category by IATA:

**IMDG Code:** not classified as Dangerous Goods

**Type of good:**  
**Description:**  
**Hazard label:**

### 15. Regulations

**Identification**  
 The product must be identified by the EG regulations

**Special identification of the formulation**  
 Not relevant

#### National Regulations

**Employment constriction**  
 Not applicable.

**Category by VbF**  
 VbF: Does not be subject to conditions of flammable liquids

**Water dangerous category:** 2  
 acc. to VwVwS vom 05/17/1999

**Disturbance Regulation, limit values:** No

**Category by TA - Air** 3.1.7

**Product code:**  
**BGVV-No.:**  
**Further regulations**  
 Separate cleaning of consumer waste.

### 16. Details

Data is about the product as delivery condition  
 38 irritations on skin  
 41 Be careful of eye injury  
 51 Poison for water organism  
 53 can have a long-lasting pollution within seawater

#### Underline

AOX = adsorbable organic halogen  
 MAK = Max. allowable concentration  
 VbF= Regulation about flammable liquids

The details shown of the product are seen as a safety advice, this is not a contract to assure you any results. The safety advice is based on today's technology. No commitment.