



* 1 Identification of substance

- **Product details:**
- **Trade name: ECO LI PLUS**
- **Application of the substance/the preparation: Lubricating grease**

- **Manufacturer/Supplier:**
BPW Bergische Achsen KG
Postfach 1280
D-51656 Wiehl
Tel: 0049 (0) 2262- 78-0 (Switch Board)
Fax:0049 (0) 2262-78-1923
E-mail: info@bpw.de

- **Informing department:**
Arbeitssicherheit / Umweltmanagement

- **Emergency information:** 0049 (0) 2262-78-0 (Switch Board)

* 2 Composition/Data on components

- **Chemical characterization**
- **Description:**
Lubricating grease: Thickener system and additives in solvent refined mineral oil.
Dangerous components: R-phrases

Triaryl phosphate	R 53	1-2,4 %
Alkaryl amine	N; R 51/53	1-2,4 %
Ester derivative	Xi, N; R 36/38-51/53	0,1-1 %

- **Additional information:**
For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard designation:**
By handling of mineral oil products and chemical products no particular hazards is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.
- **Information pertaining to particular dangers for man and environment**
This product is water polluting; see item 12.
- **Classification system:**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method of 1999/45/EC concerning specific of compounds.



Printing date 15.03.2004

Reviewed on 22.07.2003

BPW ECO-LI-PLUS

4 First aid measures

- **General information**
Change clothes and shoes contaminated or soaked by the product.
Never put rags contaminated by the product into cloth-pockets.
- **After inhalation:**
Supply fresh air; consult doctor in case of symptoms.
(eventually by inhaling the overheated product)
- **After skin contact:**
The product is not skin irritating
- **After eye contact:**
Rinse opened eye for several minutes under running water.
- **After swallowing:**
In case of persistent symptoms consult your doctor.

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reason unsuitable extinguishing agents:**
Water with a full water jet.
- **Protective equipment:**
In case of fire fighting: wear self containing breathing apparatus

6 Accidental release measures

- **Person-related safety precaution:** Not required.
- **Environmental protection measures:**
Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
Collect mechanically.
Dispose of the material collected according to regulations.
- **Additional information:**
No dangerous materials are released.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
No special measures required
- **Information about protection against explosions and fires:**
No special measures required.



BPW ECO-LI-PLUS

- **Storage:**
- **Requirements to be met by storerooms and containers:**
No special requirements.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
- **Further information about storage conditions:** None

*** 8 Exposure controls and personal protection**

- **Additional information about design of technical systems:**
No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:**
The lists that were valid during the compilation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures should be adhered to in handling the chemicals and the mineral oil products.
Wash hands during breaks and at the end of the work.
Avoid close or long term contact with the skin.
Use skin protection cream for preventive skin protection.
Do not carry cleaning cloths impregnated with the product in trouser pockets.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves and protective skin cream.
- **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protective:** Not required.
- **Body protection:** Protective work clothing.

9 Physical and chemical features

- **General Information**
- **Form:** Pasty
- **Colour:** Blue
- **Smell:** Characteristic
Value/Range Unit Method
- **Change in condition**
- **Melting point/ Melting range:** Not determined
- **Boiling point/ Boiling range:** not applicable or not determined
- **Flash point:** Not applicable
- **Self inflammability:** Product is not selfigniting

MATERIAL SAFETY DATA SHEET
According to 91/155/EC



Printing date 15.03.2004

Reviewed on 22.07.2003

BPW ECO-LI-PLUS

- **Danger of explosion:** Product is not explosive
- **Density at 25°C** ca. 0,9 g/cm³ DIN 51 757
- **Solubility in/ Miscibility with**
- **Water:** Insoluble
- **Viscosity or Consistency-Class:** NLGI 2

10 Stability and reactivity

- **Thermal decomposition/ conditions to be avoided:**
No decomposition below 100°C if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known
- **Dangerous products of composition:**
No dangerous decomposition products known.

11 Toxicological information

- **Acute Toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect known.
- **on the eye:** No irritant effect known.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our actual informations.

12 Ecological information

- **Behaviour in environmental systems:**
- **Mobility and bioaccumulation potential:** No data available
- **Ecotoxic effects:**
- **Behaviour in sewage processing plants:**
The Product swims on the water surface
- **General notes:**
German water Endangering Class 1 (Self-assessment) : slightly hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.



Printing date 15.03.2004

Reviewed on 22.07.2003

BPW ECO-LI-PLUS

*** 13 Disposal consideration**

- **Product:**
- **Recommendation:**
Smaller quantities have to be disposed in line with local legislation.
When storing used mineral oil products, ensure that the categories for waste oil and mixing instructions are observed.
Delivery of waste oil only to officially authorized collectors.
- **European waste catalogue 12 01 12:**
Spent waxes and fats
- **Uncleaned packagings:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They can be recycled after disposed according to the local regulations.
EWC 15 01 99.

14 Transport information

- **Land transport ARD/RID and GGVS/GGVE (cross-border/domestic)**
- **ARD/RID-GGVS/E Class:-**
- **Maritime transport IMDG/GGVSea :**
- **IMDG/GGVSea Class:-**
- **Marine pollutant: No**
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:-**
- **Transport/ Additional information:**
No dangerous good acc. to dangerous goods/ transport directions.

15 Regulatory information

- **Designation according to EU guidelines:**
The product is not subject to identification regulations under EC Directives until 2001/59/EC (28.ATP) and the Ordinance on Hazardous Materials.
The concentrations of the dangerous compounds, which are possibly specified under point 2, are not above the value for classification. Local regulations must be kept.
Observe the normal safety regulations when handling chemicals or mineral oil products.
- **National regulation**
- **German water Hazard Class:**
Water Engangering Class 1 (Self-assessment) : slightly hazardous for water.

MATERIAL SAFETY DATA SHEET
According to 91/155/EC



Printing date 15.03.2004

Reviewed on 22.07.2003

BPW ECO-LI-PLUS

*** 16 Other information**

All ingredients are listed in the European Inventories. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This data sheet is a safety data sheet according to 91/155/EU. For products which are not subject to classification according to EU lists this data sheet is made on a voluntary base.

• **Relevant R-phrases**

36/38 Irritating to eye and skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

53 May cause long-term adverse effects in the aquatic environment.

• **Validity:**

With this latest edition of this MSDS all former editions are not valid any longer.

Changed items are marked with “ * “.

* Data compared to the previous version altered.