

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product name: BPW LANGZ.FETT ECO DISC GREASE

BPW product number

02.1040.70.00

02.1040.60.00

02.1040.57.00

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Lubricating grease

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier

BPW Bergische Achsen KG
Postfach 1280
D-51656 Wiehl

Telephone:

0049 (0) 2262-78-0

Fax:

0049 (0) 2262-78-1923

Contact Person:

Abteilung Arbeitssicherheit/Umweltmanagement (Mo-Fr, 08–16h)

Telephone:

0049 (0) 2262-78-1049

Fax:

0049 (0) 2262-78-4049

E-mail:

koestera@bpw.de

1.4 Emergency telephone number:

0049 (0) 2262-78-1049

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

|| The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

Classification according to Directive 67/548/EEC or 1999/45/EC as amended.

R52/53

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

Product name: BPW LANGZ.FETT ECO DISC GREASE

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards

Skin irritation Category 2 H315: Causes skin irritation.
 Serious eye irritation Category 2 H319: Causes serious eye irritation.

Environmental Hazards

Chronic hazards to the aquatic environment Category 2 H411: Toxic to aquatic life with long lasting effects.

Hazard summary

Physical Hazards: No data available.

2.2 Label Elements



Signal Words: Warning

Hazard Statement(s): H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement

Prevention: P262: Do not get in eyes, on skin, or on clothing.
 P273: Avoid release to the environment.

2.3 Other hazards: By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: Lubricating grease: Thickener system and additives in synthetic base oil.

Chemical name	Concentration *	Identifier	REACH Registration No.	Notes
Heterocyclic N-compound	1,00 - <5,00%	202-414-9	01-2119777867-13	
ZnDTP	0,10 - <1,00%	224-235-5	01-2119493635-27	
phenolic antioxidant	0,10 - <1,00%	204-881-4	01-2119565113-46	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
 PBT: persistent, bioaccumulative and toxic substance.

Product name: BPW LANGZ.FETT ECO DISC GREASE

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Classification	
Heterocyclic N-compound	DSD:	Xn; R22 R48/22 C; R34 N; R50/53
	CLP:	Skin Corr. 1B;H314, STOT RE 2;H373, Aquatic Acute 1;H400, Aquatic Chronic 1;H410, Acute Tox. 4;H302
ZnDTP	DSD:	Xi; R41 N; R51/53
	CLP:	Eye Dam. 1;H318, Aquatic Chronic 2;H411
phenolic antioxidant	DSD:	N; R50/53
	CLP:	Aquatic Acute 1;H400, Aquatic Chronic 1;H410

DSD: Directive 67/548/EEC.
 CLP: Regulation No. 1272/2008.

The full text for all R-phrases and H-statements is displayed in section 16.

SECTION 4: First aid measures

General: Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Skin Contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

Ingestion: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed: Causes serious eye irritation. Causes skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

Product name: BPW LANGZ.FETT ECO DISC GREASE

5.1 Extinguishing media

Suitable extinguishing media: CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

Unsuitable extinguishing media: Water with a full water jet.

5.2 Special hazards arising from the substance or mixture:

During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

6.2 Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.

6.3 Methods and material for containment and cleaning up: Scrape up spillage or absorb with absorbing material. Dispose of the material collected according to regulations.

6.4 Reference to other sections: See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling: Avoid contact with eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Avoid contact with skin.

7.2 Conditions for safe storage, including any incompatibilities: Local regulations concerning handling and storage of waterpolluting products have to be followed.

Product name: BPW LANGZ.FETT ECO DISC GREASE

7.3 Specific end use(s): not applicable

Storage Class: 11, Combustible solids

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

8.2 Exposure controls

Appropriate engineering controls: No data available.

Individual protection measures, such as personal protective equipment

General information: Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Eye/face protection: Safety glasses (EN 166) recommended during refilling. Avoid contact with eyes.

Skin protection

Hand Protection: Nitrile butyl rubber (NBR). Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other: Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection: Not relevant, due to the form of the product.

Thermal hazards: No data available.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

Product name: BPW LANGZ.FETT ECO DISC GREASE

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	Paste
Color:	Light brown
Odor:	Characteristic
Odor Threshold:	No data available.
pH:	not applicable
Melting Point:	No data available.
Boiling Point:	No data available.
Flash Point:	not applicable
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)-:	No data available.
Flammability Limit - Lower (%)-:	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	0,90 g/ml (25,00 °C)
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
NLGI:	1
Explosive properties:	No data available.
Oxidizing properties:	No data available.
9.2 Other information	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal temperature conditions and recommended use.
10.2 Chemical Stability:	No data available.
10.3 Possibility of Hazardous Reactions:	None under normal conditions.
10.4 Conditions to Avoid:	Avoid heat or contamination.
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

Product name: BPW LANGZ.FETT ECO DISC GREASE

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation: No data available.
Ingestion: No data available.
Skin Contact: Causes skin irritation.
Eye contact: Causes eye irritation.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product: ATEmix: 63.250 mg/kg
Specified substance(s)
 Heterocyclic N-compound LD 50 (Rat): 1.265 mg/kg
 ZnDTP LD 50 (Rat): 4.358 mg/kg
 phenolic antioxidant LD 50 (Rat): 2.930 mg/kg

Dermal

Product: Not classified for acute toxicity based on available data.

Specified substance(s)
 Heterocyclic N-compound No data available.
 ZnDTP No data available.
 phenolic antioxidant LD 50 (Rat): > 5.000 mg/kg

Inhalation

Product: Not classified for acute toxicity based on available data.

Specified substance(s)
 Heterocyclic N-compound No data available.
 ZnDTP No data available.
 phenolic antioxidant No data available.

Repeated dose toxicity

Product: No data available.

Specified substance(s)
 Heterocyclic N-compound No data available.
 ZnDTP No data available.
 phenolic antioxidant (Rat, Oral, 28 d): 25 mg/kg

Skin Corrosion/Irritation:

Product: No data available.

Product name: BPW LANGZ.FETT ECO DISC GREASE

Specified substance(s)

Heterocyclic N-compound	No data available.
ZnDTP	(Rabbit): None.
phenolic antioxidant	(Rabbit): Slightly irritating.

Serious Eye Damage/Eye Irritation:

Product: No data available.

Specified substance(s)

Heterocyclic N-compound	No data available.
ZnDTP	(Rabbit): Slightly irritating.
phenolic antioxidant	(Rabbit): Slightly irritating.

Respiratory or Skin Sensitization:

Product: No data available.

Specified substance(s)

Heterocyclic N-compound	No data available.
ZnDTP	No data available.
phenolic antioxidant	No sensitizing effect (guinea pig); OECD 406

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Heterocyclic N-compound	No data available.
ZnDTP	No data available.
phenolic antioxidant	No data available.

In vivo

Product: No data available.

Specified substance(s)

Heterocyclic N-compound	No data available.
ZnDTP	No data available.
phenolic antioxidant	No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

Heterocyclic N-compound	No data available.
ZnDTP	No data available.
phenolic antioxidant	No data available.

Reproductive toxicity

Product: No data available.

Product name: BPW LANGZ.FETT ECO DISC GREASE

Specified substance(s)

Heterocyclic N-compound No data available.
 ZnDTP No data available.
 phenolic antioxidant No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Heterocyclic N-compound No data available.
 ZnDTP No data available.
 phenolic antioxidant No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Heterocyclic N-compound No data available.
 ZnDTP No data available.
 phenolic antioxidant No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

Heterocyclic N-compound No data available.
 ZnDTP No data available.
 phenolic antioxidant No data available.

Other Adverse Effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Heterocyclic N-compound LC 50 (Fish, 96 h): 0,3 mg/l
 ZnDTP LC 50 (Fish, 96 h): 1,1 - 10 mg/l
 phenolic antioxidant LC 50 (Fish, 96 h): > 0,57 mg/l (OECD 203)

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Heterocyclic N-compound EC 50 (Water Flea, 48 h): 0,136 mg/l
 LC 50 (Water Flea, 24 h): 0,37 mg/l
 ZnDTP EC 50 (Water Flea, 48 h): 1,1 - 10 mg/l
 phenolic antioxidant EC 50 (Water Flea, 48 h): > 0,17 mg/l

Product name: BPW LANGZ.FETT ECO DISC GREASE

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Heterocyclic N-compound No data available.
 ZnDTP No data available.
 phenolic antioxidant No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Heterocyclic N-compound No data available.
 ZnDTP No data available.
 phenolic antioxidant NOEC (Water Flea, 21 d): > 0,39 mg/l

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Heterocyclic N-compound EC 50 (Alga, 72 h): 0,03 mg/l
 ZnDTP EC 50 (Alga, 72 h): > 240 mg/l
 phenolic antioxidant EC 50 (Alga, 72 h): > 0,42 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Heterocyclic N-compound No data available.
 ZnDTP No data available.
 phenolic antioxidant 30 %

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

Heterocyclic N-compound No data available.
 ZnDTP No data available.
 phenolic antioxidant May be accumulated in organism

12.4 Mobility in Soil:

No data available.

Known or predicted distribution to environmental compartments

Heterocyclic N-compound No data available.
 ZnDTP No data available.
 phenolic antioxidant No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

Product name: BPW LANGZ.FETT ECO DISC GREASE

Heterocyclic N-compound No data available.
 ZnDTP No data available.
 phenolic antioxidant No data available.

12.6 Other Adverse Effects: Toxic to aquatic life with long lasting effects.

Water Hazard Class (WGK): WGK 2: water-endangering.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

European Waste Codes

12 01 12*: spent waxes and fats

SECTION 14: Transport information

ADR/RID

14.1 UN Number: UN 3077
 14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Imidazoline derivative)
 14.3 Transport Hazard Class(es)
 Class: 9
 Label(s): 9
 Hazard No. (ADR): 90
 Tunnel restriction code: (E)
 14.4 Packing Group: III
 14.5 Environmental hazards: Dangerous for the environment
 14.6 Special precautions for user: -

ADN

14.1 UN Number: UN 3077
 14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Imidazoline derivative)
 14.3 Transport Hazard Class(es)
 Class: 9
 Label(s): 9
 14.3 Packing Group: III
 14.5 Environmental hazards: Dangerous for the environment
 14.6 Special precautions for user: -

Product name: BPW LANGZ.FETT ECO DISC GREASE

IMDG

14.1 UN Number: UN 3077
 14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Imidazoline derivative)
 14.3 Transport Hazard Class(es)
 Class: 9
 Label(s): 9
 EmS No.: F-A, S-F
 14.3 Packing Group: III
 14.5 Environmental hazards: Marine pollutant
 14.6 Special precautions for user: -

IATA

14.1 UN Number: UN 3077
 14.2 Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s.(Imidazoline derivative)
 14.3 Transport Hazard Class(es):
 Class: 9
 Label(s): 9MI
 14.4 Packing Group: III
 14.5 Environmental hazards: Dangerous for the environment
 14.6 Special precautions for user: -

Amounts of less than 5kg or 5 L are not regulated, (ADR/RID SV 375, IMDG 2.10.2.7, IATA SP A197)

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.:

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information: Vertical lines in the margin indicate an amendment.

Product name: BPW LANGZ.FETT ECO DISC GREASE

Wording of the R-phrases and H-statements in section 2 and 3

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
R22	Harmful if swallowed.
R34	Causes burns.
R41	Risk of serious damage to eyes.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
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.

Training information: Follow training instructions when handling this material.

Other information: 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 mentioned in regulation EU 1272/2008 (CLP).

Revision Date: 03.06.2015

Disclaimer: The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.