

**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Gamma EP 00

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

**Recommended use** Lubricating grease

**1.3. Details of the supplier of the safety data sheet**

Company name: Mabanol GmbH & Co. KG  
Street: Admiralitätsstraße 55  
Place: D-20459 Hamburg  
**Responsible Department:**  
Telephone: +49 (0) 40 36809988

**1.4. Emergency telephone:** Giftinformationszentrale Göttingen  
Telephone: 0551/1 92 40

**Section 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

**Classification according to Directive 67/548/EEC or 1999/45/EC**

**R phrases** This mixture is classified as not hazardous according to regulation 1999/45/EC

**2.2. Label elements**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

**Symbols/Pictograms** None

**Signal word** None

**EU Specific Hazard Statements**

EUH210 - Safety data sheet available on request

**2.3. Other hazards**

No information available

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Chemical name	EC No	CAS No	weight-%	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Zinc naphthenate	234-409-2	12001-85-3	<2.5	N; R51/53	Aquatic Chronic 2 (H411)	No data available

**Ingredient comments**

This product is a lithium grease based on mineral oil with additives. The mineral oils in the product contain <3% DMSO extract(IP 346).

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

**Section 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors.
<b>Skin contact</b>	Wash with soap and water.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids.
<b>Ingestion</b>	Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

**4.2. Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	None known.
-----------------	-------------

**4.3. Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically.
---------------------------	------------------------

**Section 5: FIRE FIGHTING MEASURES**

**5.1. Extinguishing media**

**Suitable extinguishing media**  
Use CO2, dry chemical, or foam.

**Unsuitable extinguishing media**  
Do not use a solid water stream as it may scatter and spread fire.

**5.2. Special hazards arising from the substance or mixture**

Not flammable. Fire may produce irritating and/or toxic gases.

**5.3. Advice for firefighters**

In the event of fire and/or explosion do not breathe fumes.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions**

Extremely slippery when spilled.

**For emergency responders**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so.

**6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up**

Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

**6.4. Reference to other sections**

**Other information**

See Section 12: ECOLOGICAL INFORMATION.

**Section 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Extremely slippery when spilled.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged or repeated contact with skin.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions**

Keep containers tightly closed in a cool, well-ventilated place. Keep at a temperature not exceeding 45°C. Keep away from heat, sparks and open flame.

**7.3. Specific end use(s)**

**Risk management methods**

The information required is contained in this Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering controls** None under normal processing.

**Personal protective equipment**



**Hand protection**

Wear protective nitrile rubber gloves. Thickness  $\geq 0.38$  mm - breakthrough time  $>480$  minutes. Thickness 0.1 mm - splash protection. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

**Eye/face Protection**

Avoid contact with eyes.

**Body protection**

Suitable protective clothing.

**Respiratory protection**

None under normal processing. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls** Prevent product from entering drains.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Semi-solid
<b>Appearance</b>	Smooth
<b>Color</b>	yellow-brown
<b>Odor</b>	Petroleum
<b>Odor threshold</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		No information available
Melting point/freezing point		No information available
Boiling point/boiling range		Not applicable
Flash point	$> 150$ °C / $> 302$ °F	Based on base oils
Evaporation rate		Not applicable
Flammability (solid, gas)		No information available
Flammability limits in air		No information available
Vapor pressure		Not applicable
Vapor Density		Not applicable
Specific gravity		No information available
Solubility(ies)		No information available
Partition coefficient (n-octanol/water)		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available

**9.2. Other information**

**Density** < 1000 kg/m<sup>3</sup> @ 25 °C / 77 °F

**Section 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

Stable.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

None under normal processing.

**10.4. Conditions to avoid**

Heat

**10.5. Incompatible materials**

Strong oxidizing agents.

**10.6. Hazardous decomposition products**

None under normal processing.

**Section 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Acute toxicity** Not hazardous based on component data.

**Skin corrosion/irritation** Not hazardous based on component data.

**Serious eye damage/eye irritation** Not hazardous based on component data.

**Sensitization** Not hazardous based on component data.

**Germ cell mutagenicity** Not hazardous based on component data.

**Carcinogenicity** Not hazardous based on component data.

**Reproductive toxicity** Not hazardous based on component data.

**STOT-single exposure** Not hazardous based on component data.

**STOT-repeated exposure** Not hazardous based on component data.

**Aspiration hazard** Not hazardous based on component data.

**The following values are calculated based on chapter 3.1 of the GHS document**

**Oral LD50** 5,260.00 mg/kg

**Dermal LD50** 5,327.00 mg/kg

Chemical name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
Zinc naphthenate	= 4920 mg/kg ( Rat )		

**Gamma EP 00**

**Product Information**

Product does not present an acute toxicity hazard based on known or supplied information

<b>Inhalation</b>	Inhalation of oil mist may cause irritation, headaches, nausea and breathing difficulties.
<b>Eye contact</b>	Not expected to cause eye irritation
<b>Skin contact</b>	Prolonged contact may cause redness and irritation
<b>Ingestion</b>	Malaise (vague feeling of discomfort)

**Section 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**Ecotoxicity** Not regarded as dangerous for the environment. Occasional major emissions or frequently recurring minor emissions may have a harmful or disturbing effect.

**12.2. Persistence and degradability**

Not readily biodegradable.

**12.3. Bioaccumulative potential**

Material does not bioaccumulate.

**12.4. Mobility in soil**

**Mobility in soil**

After release, adsorbs onto soil.

**Mobility**

Insoluble in water.

**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**

**Waste from residues/unused products** Disposal should be in accordance with applicable regional, national and local laws and regulations

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations.

**Waste codes / waste designations according to EWC / AVV** 13 08 99

**Section 14: TRANSPORT INFORMATION**

Not regulated according to ADR/RID, IMDG, IATA.

**14.1. UN number**

Not regulated

**14.2. UN proper shipping name**

Not regulated

**14.3. Transport hazard class(es)**

Not regulated

**14.4. Packing group**

Not regulated

**14.5. Environmental hazards**

Not applicable

**14.6. Special precautions for user**

None

**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**

**Water hazard class (WGK)**                      Slightly hazardous to water (WGK 1)

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**International Inventories**

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>PICCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies
<b>NZIoC</b>	Complies

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

**15.2. Chemical safety assessment**

**Section 16: OTHER INFORMATION**

**Full text of R-phrases referred to under sections 2 and 3**

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Full text of H-Statements referred to under sections 2 and 3**

H411 - Toxic to aquatic life with long lasting effects