

**PETAMO GHY 133 N (H)**

Version 4.5

Revision Date 08.09.2021

Print Date 08.09.2021

**1. Identification of the substance/mixture and of the company/undertaking**

**Product information**

Product name : PETAMO GHY 133 N (H)

Article-No. : 094148

Use of the Substance/Mixture : Grease

Company : Klüber Lubrication München  
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Deutschland  
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Material Compliance Management

National contact : KLÜBER LUBRICATION ARGENTINA S.A.  
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Teléfono: +54.11.4709 8400  
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Emergency telephone number : +54 11 5984 3690  
+49 89 7876 700 (24 hrs)

**2. Hazards identification**

**GHS Classification**

: Skin sensitisation, Category 1  
Reproductive toxicity, Category 2  
Specific target organ toxicity - repeated exposure, Category 2,  
Oral, ovaries, Testes, Liver, Adrenal gland  
Short-term (acute) aquatic hazard, Category 3  
Long-term (chronic) aquatic hazard, Category 2

**GHS-Labeling**

Symbol(s)



## PETAMO GHY 133 N (H)

Version 4.5

Revision Date 08.09.2021

Print Date 08.09.2021

- Signal word : Warning
- Hazard statements : H317: May cause an allergic skin reaction.  
H361: Suspected of damaging fertility or the unborn child.  
H373: May cause damage to organs (ovaries, Testes, Liver, Adrenal gland) through prolonged or repeated exposure if swallowed.  
H402: Harmful to aquatic life.  
H411: Toxic to aquatic life with long lasting effects.
- Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P391 Collect spillage.  
**Storage:**  
P405 Store locked up.

### 3. Composition/information on ingredients

- Chemical nature : Mineral oil.  
Synthetic hydrocarbon oil  
polyurea

#### Hazardous components

Chemical name	CAS-No.	Concentration[%]
Residual oils (petroleum), hydrotreated	64742-57-0	50 - 70
polyurea	1266545-95-2	2,5 - 10
Phenol, isopropylated, phosphate (3:1)	68937-41-7	1 - 2,5
Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol		0,1 - 1

### 4. First aid measures

- If inhaled : Obtain medical attention.  
Remove person to fresh air. If signs/symptoms continue, get medical attention.  
Keep patient warm and at rest.  
If unconscious, place in recovery position and seek medical

**PETAMO GHY 133 N (H)**

Version 4.5

Revision Date 08.09.2021

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- advice.  
Keep respiratory tract clear.  
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Take off all contaminated clothing immediately.  
Get medical attention immediately if irritation develops and persists.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.  
Wash off immediately with plenty of water.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.  
If eye irritation persists, consult a specialist.
- If swallowed : Move the victim to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
Do not induce vomiting without medical advice.  
Obtain medical attention.  
Never give anything by mouth to an unconscious person.

**Notes to physician**

- Symptoms : Allergic appearance
- Risks : May cause an allergic skin reaction.
- Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

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**5. Firefighting measures**

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NOx)  
Sulphur oxides  
Oxides of phosphorus
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.  
Exposure to decomposition products may be a hazard to

**PETAMO GHY 133 N (H)**

Version 4.5

Revision Date 08.09.2021

Print Date 08.09.2021

health.

Further information : Standard procedure for chemical fires.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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**6. Accidental release measures**

Personal precautions : Evacuate personnel to safe areas.  
Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).  
Do not breathe vapours, aerosols.  
Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up : Clean up promptly by sweeping or vacuum.  
Keep in suitable, closed containers for disposal.

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**7. Handling and storage**

**Handling**

Advice on safe handling : Avoid contact with skin and eyes.  
For personal protection see section 8.  
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Smoking, eating and drinking should be prohibited in the application area.  
Wash hands and face before breaks and immediately after handling the product.  
Do not get in eyes or mouth or on skin.  
Do not get on skin or clothing.  
Do not ingest.  
Do not repack.  
These safety instructions also apply to empty packaging which may still contain product residues.  
Keep container closed when not in use.

**Storage**

Requirements for storage areas and containers : Store in original container.  
Keep container closed when not in use.

**PETAMO GHY 133 N (H)**

Version 4.5

Revision Date 08.09.2021

Print Date 08.09.2021

Keep in a dry, cool and well-ventilated place.  
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 Store in accordance with the particular national regulations.  
 Keep in properly labelled containers.

**8. Exposure controls/personal protection**

**Components with workplace control parameters**

Components	CAS-No.	Value	Control parameters	Update	Basis
Residual oils (petroleum), hydrotreated	64742-57-0	CMP	5 mg/m <sup>3</sup>	2003-11-21	AR OEL
Residual oils (petroleum), hydrotreated	64742-57-0	CMP - CPT	10 mg/m <sup>3</sup>	2003-11-21	AR OEL

**Engineering measures**

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

**Personal protective equipment**

- Respiratory protection : Not required; except in case of aerosol formation.  
Filter type P
  
- Hand protection : Nitrile rubber  
 Manufacturer, importer, supplier: Class 1  
 Break through time: > 10 min  
 Wear protective gloves.  
 The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.
  
- Eye protection : Safety glasses with side-shields
  
- Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.
  
- Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.  
 Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

**PETAMO GHY 133 N (H)**

Version 4.5

Revision Date 08.09.2021

Print Date 08.09.2021

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**9. Physical and chemical properties**

**Appearance**

Form : paste  
Colour : brown  
Odour : characteristic

**Safety data**

Flash point : Note: Not applicable  
Ignition temperature : Remarks: No data available  
Lower explosion limit : Note: No data available  
Upper explosion limit : Note: No data available  
Flammability (solid, gas) : Combustible Solids  
Oxidizing properties : Note: No data available  
Auto-ignition temperature : Note: No data available  
pH : Note: Not applicable  
Melting point/range : Note: No data available  
Boiling point/boiling range : Note: No data available  
Sublimation point : Note: No data available  
Vapour pressure : < 0,001 hPa  
at 20 °C  
Density : 0,90 g/cm<sup>3</sup>  
at 20 °C  
Bulk density : Note: No data available  
Water solubility : Note: insoluble  
Partition coefficient: n-octanol/water : Note: No data available  
Solubility in other solvents : Note: No data available  
Viscosity, dynamic : Note: No data available

**PETAMO GHY 133 N (H)**

Version 4.5

Revision Date 08.09.2021

Print Date 08.09.2021

Viscosity, kinematic : Note: Not applicable  
Relative vapour density : Note: No data available  
Evaporation rate : Note: No data available

**10. Stability and reactivity**

Conditions to avoid : No conditions to be specially mentioned.  
Materials to avoid : No materials to be especially mentioned.  
Hazardous decomposition products : No decomposition if stored and applied as directed.  
Thermal decomposition : Note: No data available  
Hazardous reactions : No dangerous reaction known under conditions of normal use.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

Acute oral toxicity :  
Remarks: This information is not available.

Acute inhalation toxicity : Remarks: This information is not available.

Acute dermal toxicity

Residual oils (petroleum), hydrotreated : LD50: > 5.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 402

polyurea : LD50: > 2.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 402

Phenol, isopropylated, phosphate (3:1) : LD50: > 10.000 mg/kg  
Species: Rabbit

Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol : LD50: > 2.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 402

**Skin corrosion/irritation**

Skin irritation : Remarks: This information is not available.

**Serious eye damage/eye irritation**

**PETAMO GHY 133 N (H)**

Version 4.5

Revision Date 08.09.2021

Print Date 08.09.2021

Eye irritation : Remarks: This information is not available.

**Respiratory or skin sensitisation**

Sensitisation : Remarks: This information is not available.

**Germ cell mutagenicity**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

**Germ cell mutagenicity**

Remarks  
polyurea : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

**Carcinogenicity**

Remarks  
Residual oils (petroleum),  
hydrotreated : Not classifiable as a human carcinogen.

**Teratogenicity**

Remarks  
**Teratogenicity**  
Phenol, isopropylated,  
phosphate (3:1) : Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments. Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.

Condensation products of  
fatty acids, tall oil with 2-  
amino-2-ethylpropanediol : Animal testing did not show any effects on fertility.

**Target Organ Systemic Toxicant - Single exposure**

polyurea : Remarks: The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Target Organ Systemic Toxicant - Repeated exposure**

: This information is not available.

polyurea : Species: Rat  
Application Route: Oral  
NOEL: 1.000 mg/kg  
Method: OECD Test Guideline 407

**Aspiration hazard**

Aspiration toxicity : This information is not available.



**PETAMO GHY 133 N (H)**

Version 4.5

Revision Date 08.09.2021

Print Date 08.09.2021

Further information : Information given is based on data on the components and the toxicology of similar products.

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**12. Ecological information**

**Ecotoxicity effects**

Toxicity to fish :  
Remarks:  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to daphnia and other aquatic invertebrates : Remarks:  
No data available

Toxicity to algae : Remarks:  
No data available

Toxicity to bacteria : Remarks:  
No data available

Toxicity to fish (Chronic toxicity)  
Phenol, isopropylated, phosphate (3:1) : NOEC: 0,0031 mg/l  
Exposure time: 33 d  
Species: Pimephales promelas (fathead minnow)  
Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)  
Phenol, isopropylated, phosphate (3:1) : NOEC: 0,0415 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211

**Elimination information (persistence and degradability)**

Bioaccumulation : Remarks:  
This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).  
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Mobility : Remarks:  
No data available

**PETAMO GHY 133 N (H)**

Version 4.5

Revision Date 08.09.2021

Print Date 08.09.2021

Distribution among environmental compartments : Remarks:  
No data available

Biodegradability : Remarks:  
No data available

Physico-chemical removability : Remarks:  
No data available

**Further information on ecology**

Results of PBT assessment  
Phenol, isopropylated, phosphate (3:1) : Non-classified PBT substance, Non-classified vPvB substance  
Additional ecological information : Toxic to aquatic life with long lasting effects.

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**13. Disposal considerations**

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not dispose of with domestic refuse.  
Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.  
Dispose of waste product or used containers according to local regulations.

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**14. Transport information**

**IATA**

UN number : 3077

Description of the goods : Environmentally hazardous substance, solid, n.o.s.  
(Triaryl Phosphate Isopropylated, triphenyl phosphate)

Class : 9

Packing group : III

**PETAMO GHY 133 N (H)**

Version 4.5

Revision Date 08.09.2021

Print Date 08.09.2021

Labels : 9  
Packing instruction (cargo aircraft) : 956  
Packing instruction (passenger aircraft) : 956  
Packing instruction (passenger aircraft) : Y956  
Environmentally hazardous : yes

**IMDG**

UN number : 3077  
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Triaryl Phosphate Isopropylated, triphenyl phosphate)  
Class : 9  
Packing group : III  
Labels : 9  
EmS Number : F-A, S-F  
Marine pollutant : yes  
Other information : No special precautions required.

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**15. Regulatory information**

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**16. Other information**

**Further information**

**PETAMO GHY 133 N (H)**

Version 4.5

Revision Date 08.09.2021

Print Date 08.09.2021

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