

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

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(Centro de información Toxicológica de la Facultad de Medicina de la Pontificia Universidad Católica)

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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

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GHS-Labeling

- Symbol(s) :
- 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

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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 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.

5. Firefighting measures

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet

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

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.

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.

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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.
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
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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.

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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/cm³
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

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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.

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Serious eye damage/eye irritation

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.

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

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

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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.

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.

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

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Packing group : III
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.

15. Regulatory information

16. Other information

Further information

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