

SAFETY DATA SHEET
according to 830/2015/EC, 28.05.2015

Date: 2011-02-22
Update: 2017-01-08



Grease for bearings

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

1.1. Product identifier

Trade name	Grease for bearings
Article number	M-553

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

identified uses	Grease for bearings. Protection of steel elements against corrosion.
uses advised against	-

1.3. Details of the supplier of the safety data sheet

Manufacturer	NALMAT-Trzebinia Marian Krzyworzeka ul. Kościuszki 88 32-540 Trzebinia tel. +48 32 612 10 10 fax. +48 32 612 10 66 www.technicqll.pl office@technicqll.pl jakosc@technicqll.pl
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1.4. Emergency telephone number:

+ 48 (032) 711 53 27 during normal office hours - Monday - Friday 6.00am - 2.00pm
112

2. Hazards identification

2.1. Classification of the substance or mixture

The mixture does not classified as dangerous.

Human health hazards:	-
Environmental hazards:	-
Physical and chemical hazards:	-

2.2. Label elements

Product is intended to professional users.

P101-If medical advice is needed, have product container or label at hand.
P102-Keep out of reach of children.

2.3. Other hazards

PBT - lack of information concerning fulfilment of the criteria in accordance with annex XIII of Reach Directive.
vPvB - lack of information concerning fulfilment of the criteria in accordance with annex XIII of Reach Directive.

3. Composition/information on ingredients

3.1. Substance: -

3.2. Mixtures

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Description	CAS	EC	REACH	Content %	Classification
Petroleum	64742-54-7	265-157-1	01- 119484627- 25-0000	<90	Carc. 1B, H350 Nota L

4. First aid measures

4.1 Description of first aid measures

After eye contact	Remove contact lenses. Immediately flush eyes with plenty of water for at least over a dozen minutes. Avoid full water jet on account of cornea damage. If irritation persists, contact a doctor.
After skin contact	Remove contaminated clothing. Wash contact places and in case of need the whole body with water and soap unless there are some burns with the hot product. In case of contacts of the hot product with skin, burned places should be immersed in cold water or undergone and action of running water for at least 10 min. If irritation persists, contact a doctor.
After inhalation	On account of state of matter there is no hazard by inhalation system. There is health hazard in case of failure (a fire). In this case immediately ensure fresh air and get medical attention. Ensure victim rest and warm. Control breathing and pulse. If there is breathing trouble – give oxygen.
After swallowing	Do not induce vomiting because there is a possibility of getting the product in inhalation system and it may cause aspiration pneumonia. Rinse thoroughly mouth with water. Consult a physician and show this Material Safety Data Sheet.

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

Not available

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

The decision of the method of further procedure should be made by a doctor after exact assessment of victim's conditions.

5. Firefighting measures

5.1. Extinguishing media

All available media: CO₂, foam, water mist, dry extinguishing powders. In case of small fires – sand and ground.

Unsuitable extinguishing media: High volume water jet. (atomized water may be only used for cooling hot surfaces).

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products: foaming and splashing occur during contacts the hot product with water. In case of a fire releasing gasses and fumes are heavier than air and may accumulate in pits of ground propagating near the surface of land and may cause a fire again.

Main products of combustion: carbon oxides, nitrogen oxides, sulphur oxides and other gasses dangerous for health.

5.3. Advice for firefighters

Basic principles in case of fire in neighbourhood
immediately call the Fire Brigade,
inform the neighbourhood about the fire,
ensure a free evacuation route,
remove from the danger zone all persons not taking part in liquidation of the fire,
containers exposed to the fire or high temperatures cool with water from a safe distance,

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Special protective equipment:
Anti-gas clothes in electrostatic version- protective gloves, protective glasses tightly adhering to face, as well as self-contained breathing apparatus.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For persons not belonging to the staff removing the results of accident: Limit access of outsiders to the accident area until cleaning operation is finished. Avoid pollution of eyes and skin. Ensure good ventilation.

For people removing the failure effects: take care that the failure and its effects are to be removed only by trained staff.

General information:

Immediately protect a leakage. Stop the leakage of grease and seal leakage place.

Ensure a free evacuation road.

In case of larger spill call the fire protection and environmental protection.

Evacuate all persons from the hazard area not taking part in rescue action.

Protective clothing is recommended:

Take care that the failure and its effects are to be removed by person properly trained and equipped with personal precaution.

6.2. Environmental precautions:

Does not produced a big hazard to the natural environment. Place damaged packages in an emergency package limit expansion of leakage. Do not allow the product to reach sink basins and water basins. In case of contamination of ground water inform the suitable authorities.

6.3. Methods and material for containment and cleaning up:

Leakages of the product sets very quickly on account of high solidification temperature which makes their utilization easier. In case of spillage of the grease scrape or cover with sand, take up mechanically and collect in special containers.

6.4. Reference to other sections

Information concerning safe holding – section / chapter 7.

Information concerning personal protective equipment - section / chapter 8.

Information concerning utilisation - section / chapter 13.

7. Handling and storage

7.1. Precautions for safe handling:

During work observe general rules and regulations of safety and health and fire protection.

During work avoid accidental consumption, contact with eyes and skin. Do not spill. Wash thoroughly hands after finishing work. The spilled product produces a high risk of slip. Work should be made in well ventilated rooms (mechanical ventilation – exhaust).

Do not allow the product to reach gavage system. Avoid contacts with oxidizing materials. Do not use sparking devices.

7.2. Conditions for safe storage, including any incompatibilities

Store in dry and well ventilated rooms in closed original containers. Store the product away from materials of oxidizing properties as well as acids and alkalis, which may cause corrosion of containers. Observe the prohibition of smoking, open fire and sparking devices in a warehouse. Avoid direct action of sun rays. Use packages resistant to hydrocarbons.

Protect from moisture. Avoid storage temperature below 25°C.

7.3. Specific end use(s)

Not available.

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8. Exposure controls/personal protection

The personal protection media should meet the requirements of Directive of 89/686/EC (together with later changes) The employer is obliged to ensure measures of personal protection suitable to activities that are made and fulfilling all quality requirements as well as their cleaning and maintenance.

8.1. Control parameters

Ingredients with limit values that require monitoring at the work place.

Exposure control	NDS [mg/m ³]	NDSC [mg/m ³]
Mineral oils (aerosol liquid phase)	5	10

8.2. Exposure controls

Breathing equipment:

Does not require special protection. However, do not inhale the product vapours. If there is a hazard of contact with concentrated vapours or risk of oil mist you should use a protection mask with an absorber type A.

Protection of hands and body:

Does not require special protection. However, in order to minimize a potential risk it is required to use oil resistant gloves (e.g. nitrile) and protective clothes, as well as working shoes adapted to contact with hot articles.

Eye protection:

Does not require special protection. However, in order to minimize a potential risk it is required to use protective glasses and in case of potential splash hazard - use full shield of head and neck.

Environment exposure control

The permissible level of petroleum derivative hydrocarbons in the atmospheric air and permissible contamination of trace surface water are not determined. The permissible content of petroleum derivative hydrocarbons in sludge entered to water and ground is 5mg/l in refinery wastewater or 15mg/l in wastewater of other industries.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Psychical state	grease
Colour	Brown
Odour	Characteristic for greases
Ignition point	>200°C
Flash point	>200°C
Boiling point	>300°C

9.2. Other information

Lack of additional tests.

10. Stability and reactivity

10.1. Reactivity

Not available.

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10.2. Chemical stability

No dangerous products of decomposition, when stored and handled correctly.

10.3. Possibility of hazardous reactions

Avoid contact with strong oxidants.

10.4. Conditions to avoid

Keep away from ignition and heat sources and direct action of sun rays and moisture.

10.5. Incompatible materials

Not available.

10.6. Hazardous decomposition products

At high temperatures may be thermal decomposition of the substances being the ingredients of the product. Characteristic of arisen products depends on conditions of decomposition. May be emitted gasses and vapours: carbon oxides, aldehydes, soot.

11. Toxicological information

11.1. Information on toxicological effects

The mixture does not classified as dangerous.

Inhalation:

The product is neutral, but at higher temperatures, when it is present in the form of oil mist or vapours may cause mild irritation of respiratory tract. Direct getting the product to the respiratory system by suction is unlikely - but in the case of accidental consumption may be irritation of respiratory tract, vomiting and possible absorption, and at higher doses - acute pulmonary conditions.

In contact with skin

The product is neutral. In case of repeated and long lasting contacts with skin the product may cause mild irritation, redness, drying and cracking skin, dermatologic changes.

In contact with eyes

The product is neutral. In case of splashing or exposure to its vapours may cause eye irritation.

After swallowed

Danger is very small but breathing of vapours may cause gastrointestinal irritation.

12. Ecological information

12.1. Toxicity

The vapours are harmless, therefore there is no air pollution.

12.2. Persistence and degradability

The product is not soluble in water. Avoid penetration of the product ground, ground water and sewage system. Very slow level of biodegradability.

12.3. Bioaccumulative potential

Do not possess potential for bioaccumulation.

12.4. Mobility in soil

On the basis of physical and chemical characteristics, the product does not constitute a risk to soil and water environment. The product cures at ambient temperature. Did not demonstrate the ability to migrate into the soil.

12.5. Results of PBT and vPvB assessment

PBT Lack of information concerning fulfilment of criteria in accordance with Annex XIII of Reach Directive.

vPvB Lack of information concerning fulfilment of criteria in accordance with Annex XIII of Reach Directive.

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12.6. Other adverse effects

Not available.

13. Disposal considerations

13.1. Waste treatment methods

Cover arisen waste an absorptive material e.g. sand, diatomaceous earth, sawdust – take up and collect in closed containers and undergo neutralization in accordance with local and state regulations. Remove polluted packages in accordance with obligatory regulations

Do not dispose of waste to sewage system. Do not allow to pollute surface and ground water and soil. The product, which has lost its properties should be recovered by filtration and refining if it is possible.

Containers used for waste should be closed and labelled, as well as resistant to hydrocarbons.

Procedure with waste product:

The product not suitable for use or overworked should be directed to the nearest point dealing with the oil collection.

Recovery or disposal of the product should be carried out in accordance with the rules and plans of management and environmental requirements only in designated places, that is in installations and devices that meet defined requirements.

Thermal conversions are recommended for waste disposal. Do not allow the product to reach sink basins, water basins and sewage system.

Disposable containers – utilize in accordance with obligatory regulations concerning procedures with packaging waste.

Reusable packaging - can be reused after cleaning.

Small amounts at the consumer's - treat as communal waste from household.

Large quantities of waste - do not dispose together with communal waste. Dispose in waste treatment/disposal plants in accordance with obligatory regulations.

Procedure with waste packaging at the consumer's:

Packages after the product - treat as household waste.

Procedure with waste packaging having the product residues (larger amounts)

Transfer to utilization in accordance with obligatory regulations.

Waste code:

Packaging content:

Kind of waste: Waste adhesives and sealants other than mentioned in 08 04 09

Waste code: 08 04 10

Code of waste is classified in accordance with its source of origin, hence the waste code may change depending on the way and place of waste formation.

EU Legal Instruments

Directives of European Parliament and Council 2006.12-ECI Council

State Legal Instruments

14. Transport information

14.1. UN-Number:

The product does not create any threat in transport. It is not subject to RID/ADR regulations. It can be transported in any means of transport in hermetically closed packages.

Land transport ADR/RID and GGVSEB
(international/state) -

Sea transport IMDG/VSee: -

Air transport ICAO – TI I IATA – DGR: -

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14.2. Proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Hazards to environment

Not applicable.

14.6. Special precautions for user

During handling with load use personal protection according to point 8.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

15. Regulatory information

15.1. Legislation related to safety, health and environment protection specific for substance or mixture:

The regulation of European Parliament and Council (EC) no. 1907/2006 of 18 December 2006 concerning the registration, evaluation, authorization and restriction of chemicals (REACH), for establishing the European Chemical Agency, changing the directive 1999/45/EC and cancelling the regulation of EEC) no.793/93 and the regulation of Committee(EC) no.1488/94, as well as the directive of council 76/769/EEC and the directives of Committee 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC,

The regulation of European Parliament and Council (EC) no.1272/2008 of 16 December 2008 concerning the classification, labelling and packing the substances and mixtures, changing and cancelling the directives 67/548/EEC and 1999/45/EC and changing the regulation (EC) no.1907/2006

The regulation of Committee (EC) no.790/2009 of 10 August 2009 adopting to the scientific and technological progress the regulation of European Parliament and Council (EC) no 1272/2008 of 16 December 2008 concerning the classification, labelling and packing the substances and mixtures

The regulation 453/2010/EU Council of 10.05.2010 changing the regulation no. 1907/2006/EU of European Parliament and Council concerning the registration, estimation, granting permissions and suitable limits in the range of chemicals (REACH)

The directive of European Parliament and Council no.2006/12/EC of 5 April 2006 concerning waste.

The directive of Council no. 91/689/EEC of 12 December 1991 concerning dangerous waste.

The directive of European Parliament and Council no 94/62/EU. of 20 December 1994 concerning packaging and packaging waste.

15.2. Estimation of chemical safety:

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16. Other information

Explanation of symbols in the 3 point of Safety Data Sheet:

Note L – this note is only used for certain complex oil derivatives. Substances marked by note L is not classified as carcinogenic if you cannot show that it contains less than 3% of DMSO extract in accordance with measurement made by the method described in IP 346.

Carc 1 B H350 – May cause cancer

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

MSDS developed by NALMAT Trzebinia