

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

Revision: 2011-02-22
Update: 2017-01-16



DRY LUB

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

1.1. Product identifier

Trade name DRY LUB
Article number M-747

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

identified uses An excellent lubricant for all types of chains, belts and gear drives, particularly irreplaceable in mechanisms working in contact with contaminants present in the air.
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

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

Human health hazards: Causes skin irritation. Causes serious eye irritation. Cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child
Environmental hazards: Toxic to aquatic life with long lasting effects
Physical and chemical hazards: Flammable aerosol. Pressurized container: may burst if heated

2.2. Label elements

Shake before use.

Attention: Pressurized container. Protect from sun and temperatures above 50°C. Do not pierce or burn even after use up. Do not spray over an open flame or any incandescent material. Protect from sources of ignition – do not smoke during spraying.

The product is designed only for professional use.

Contains: Hydrotreated light petrol (WE: 265-151-9)

Warning symbol:



DANGER

H223 – Flammable aerosol
H229 - Pressurized container: may burst if heated
H315 – Causes skin irritation
H319 - Causes serious eye irritation
H336 – Cause drowsiness or dizziness

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H361 – Suspected of damaging fertility or the unborn child
H411 – Toxic to aquatic life with long lasting effects

P102 – Keep out of reach of children
P210 – Keep away from heat/sparks/open flames/hot surfaces – No smoking
P251 – Pressurized container – Do not pierce or burn, even after use
P410 + P412 – Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P260 – Do not breathe dust/fume/gas/mist/vapours/spray
P262 – Do not get in eyes, on skin, or on clothing
P501 – Dispose of contents/container to a mine waste dump.

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

Description	CAS	EC	REACH No	Content %	Classification
Hydrotreated light petrol	64742-49-0	265-151-9	01- 2119475133- 43-0011	<85	Carc 1B, H350, Muta 1B H340, Asp. Tox. 1, H304, (Use Note: P,) Flam. Liq.2, H225, Skin Irrit. 2, H315, Repr. 2 H361, STOT SE.3, H336, Aquatic Chronic 2, H411
Isopropanol	67-63-0	200-661-7	01- 2119457558- 25-0000	<15	Flam. Liq.2, H225, Eye Irrit. 2, H319, STOT SE.3, H336
1,1,1,2-tetrafluoroethane	811-97-2	212-377-0	01- 2119459374- 33	<10	Press. Gas (Liq), H280

4. First aid measures

4.1 Description of first aid measures

After eye contact	In case of contact with eyes, immediately rinse them with plenty of water for at list 15 minutes. Lift eyelids and thoroughly flush the space under them. If irritation persists, contact a doctor.
After skin contact	Before washing remove the substance with a dry cloth of paper towel. If irritation persists contact a doctor.
After inhalation	Remove victim from the exposed place. Ensure fresh air. In case of difficulty in breathing contact with a doctor. In case of loss consciousness, place and transport the victim in side position.
After swallowing	Rinse thoroughly mouth with water. Consult a physician and show this Material Safety Data Sheet.

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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

Decision on 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, extinguishing powder.

Unsuitable extinguishing media: High volume water jet.

5.2. Special hazards arising from the substance or mixture

Inflammable product.

5.3. Advice for firefighters

Protective equipment: put on a protective device of inhalation system (a breathing apparatus with compressed air)

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: Reduce 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.

6.2. Environmental precautions:

Do not allow the product to reach sewage system, surface and ground water. In case of contamination of ground water inform the suitable authorities.

6.3. Methods and material for containment and cleaning up:

Small quantities of the spilled product should be covered with an incombustible absorptive material e.g. sand, diatomite, take up and collect in a suitable labelled container. Warning: absorbents soaked with the preparation also form a fire hazard. In case of large spillage a place of the product accumulation should be embanked.

6.4. Reference to other sections

Information concerning safe handling – 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:

Work in compliance with the applicable industrial safety and hygiene rules. Work in well ventilated rooms. Avoid contacts with skin and eyes, do not swallow. Unused packages should be tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Store in original tightly closed containers, preferably at temperatures: 5°C - 25°C. Keep away from direct action of sun rays and other sources of heat. Do not store near strong acids and oxidants.

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7.3. Specific end use(s)

Not available.

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]	NDSCH [mg/m ³]
Hydrotreated light petrol	500	1500
Isopropanol	900	1200

8.2. Exposure controls

Observe the general principles of safety and hygiene. Ensure the general ventilation of rooms. During work do not eat, drink and smoke. Before break and after finishing work wash thoroughly hands. Avoid eye contact.

Breathing equipment:

Avoid breathing vapours in case of short contacts with the mixture use a filtering devices for breathing. In case of prolonged and intensive contacts, use a breathing mask with a vapour absorber completed with a filter [a breathing mask with a vapour absorber completed with a filter P-2-B]

Protection of hands and body:

The material that is designed for gloves must be checked before use. It is recommended to regularly change gloves and immediate their replacement if there are any signs of wear damage or change in appearance (colour, elasticity, shape etc.)

Eye protection:

Protective glasses tightly closed.

Environment exposure control

Do not allow a lot of products to reach ground water sewage system and soil.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Psychical state	pressured liquid
Colour	white/milky
Odour	characteristic
Odour threshold	not determined
pH value	not determined
Melting/ solidification point	not determined
Initial boiling point	>35°C
Ignition point	>15°C
Evaporation rate	not determined
Self-ignition	The product is not self-igniting
Lower explosion limit	not determined
Upper explosion limit	not determined
Vapour pressure	not determined

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Vapour density	not determined
Density at 20°C	0,87g/cm ³
Solubility in water	Does not solve
Partition coefficient n-octanol/water	not determined
Decomposition point	not determined
Explosion properties	not determined
Oxidising properties	not determined
Kinetic viscosity	not determined

9.2. Other information

Lack of additional tests.

10. Stability and reactivity

10.1. Reactivity

Not available.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Reactions with oxidizing agents: reacts with strong acids.

10.4. Conditions to avoid

Avoid open fire, higher temperatures and hot surfaces.

10.5. Incompatible materials

Not available.

10.6. Hazardous decomposition products

Toxic vapours and fumes.

11. Toxicological information

11.1. Information on toxicological effects

In contact with skin	Irritating to skin Repeated exposition may cause drying and cracking skin.
In contact with eyes	Irritating. Acts harmfully, may cause damage of lungs in case of swallowing. Acts irritating to mucous membranes of mouth, throat and further segments of alimentary canal.
Sensitization	Vapours may induce sleepiness and dizziness.
For Hydrotreated light petrol (petroleum):	
Inhalation exposure: LC 50 rat >20 mg/4h	
Skin exposure: LD 50 rat >2000mg/kg	
Digestive system exposure: LD 50 rat >2000mg/kg	

12. Ecological information

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Daphnia: EC(I) 50, 48h = 930mg/l
Fish: (Onchorynch mykiss) LC50 = 450mg/l

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Bacteria: (*Pseudomonas putida*) >730mg/l

Data for Hydrotreated light petrol (petroleum):

Fish: 1<LC/EC/IC 50 <10mg/l

Algae: 1<LC/EC/IC 50 <10mg/l

Shellfish: 1<LC/EC/IC 50 <10mg/l

Algae: 1<LC/EC/IC 50 <10mg/l

Data for Isopropyl alcohol:

Toxicity for Daphnia (*Daphnia Magna*) – EC50: 13 299 mg/l/48h

Toxicity for algae: (*Desmodesmus subspicatus*) – IC50 > 1000 mg/l/72h

Toxicity for bacteria: (*Photobacterium phosphoreum*) – EC50: 22 000 mg/l/15min.

Protozoa: (*E. Sulcatum*) EC50: 4 930 mg/l/72h

12.2. Persistence and degradability

No data

12.3. Bioaccumulative potential

Possesses potential for bioaccumulation.

12.4. Mobility in soil

Easily absorbed in 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.

12.6. Other adverse effects

Not available.

13. Disposal considerations

13.1. Waste treatment methods

Do not allow to reach to sewage system. Stored in original packages. Utilize in accordance with suitable regulations.

Waste code:

08 04 09 Waste adhesives and sealants containing organic solvents or other dangerous substations.

15 01 10 Packaging containing residues of dangerous substations or contaminated with them.

EU Legal Instruments

Directives of European Parliament and Council 2006.12-ECI Council

14. Transport information

14.1. UN-Number: 1950

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

No. UN: 1950,
Item No. ADR: 5F, ADR:2;
Note: Aerosols

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Sea transport IMDG/VSee:

No. UN: 1950,
Clasification: 2.1

Air transport ICAO – TI IATA – DGR:

No. UN: 1950,
Clasification: 2.1

14.2. Proper shipping name

Aerosols

14.3. Transport hazard class(es)

2

14.4. Packing group

Not applicable.

14.5. Hazards to environment

Toxic to aquatic life with long lasting effects

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:

-

16. Other information

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

H350 – May cause cancer

H304 – May be fatal if swallowed and enters airways.

H336 – May cause drowsiness or dizziness.

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H225 – Highly flammable liquid and vapour.
H315 – Causes skin irritation.
H412 – Harmful to aquatic life with long lasting effects.
H319 – Causes serious eye irritation.
EUH066 - Repeated exposure may cause skin dryness or cracking.

Note P: The preparation is not classified as carcinogenic because benzene content expressed by a mass fraction in substances contained in chapter 3 MSDS is less than 0,1%.

Note4: Preparations in the form of aerosols is not assigned phrase R65 or warning symbol X_n resulting only from assignment of R65 phrase.

Note H: note H is only applied for some complex carbon and petroleum derivatives. All hazards have been classified on the basis of the producer's data in accordance with the regulations concerning the criteria and way of classification of substances and chemical preparations, therefore the product has been additionally classified as hazardous for environment acting toxically for water organisms and being able to cause long-term adverse effects in the aquatic environment.

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