

SAFETY DATA SHEET
according to 830/2015/EC,



Date: 2012-11-28
Update: 2017-01-21

Cleaning set

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

1.1. Product identifier

Trade name	Cleaning set
Article number	P-102

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

identified uses	High-quality Cleaning set to lubricate and protection of precision mechanisms.
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

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

Product designed exclusively for professional use.

Contains: Light petrol treated with hydrogen (CE: 265-151-9) and Acetone (CE: 200-662-2)

EUH066 – Repeated exposure may cause skin dryness or cracking

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
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

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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	CE	Reach No	Content %	Classification
Light petrol treated with hydrogen (petroleum)	64742-49-0	265-151-9	01- 2119475133- 43-0011	<25	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
Acetone	67-64-1	200-662-2	01- 2119471330- 49-0000	<80	Flam. Liq. 2, H225, Eye Irrit. 2, H319 EUH066, STOT SE. 3, H336
1,1,1,2 Tetrafluoroetan	811-97-2	212-377-0	01- 2119459374- 33	4 - 6	Press. Gas (Liq), H280

4. First aid measures

4.1 Description of first aid measures

After eye contact	Rinse immediately with plenty of water at least 15 minutes.. Lift eyelids and rinse thoroughly underneath them. If irritation persists, contact a physician.
After skin contact	Remove substance with a dry cloth or a paper towel before washing with water and soap. If irritation persist contact a physician.
After inhalation	Remove a victim from exposure place. In case of difficulties in breathing contact a physician. Ensure fresh air and rest. In case of unconsciousness the victim should be transported in side position.
After swallowing	Rinse mouth with water several times. 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

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

Suitable extinguishing media: CO₂, powder, atomized stream of water.

Unsuitable extinguishing media: High volume water jet.

5.2. Special hazards arising from the substance or mixture

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5.3. Advice for firefighters

Protective equipment: Protective clothes and self-contained breathing apparatus.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For people who do not belong to the staff removing the failure effects: reduce the access of unauthorised people to the failure area until completing the proper cleaning operations. Avoid skin and eye contamination. Provide adequate ventilation. Remove all sources of ignition.

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, ground water and surface water. Inform a suitable life saving service.

6.3. Methods and material for containment and cleaning up:

Cover small quantities of the spilled product with incombustible, absorptive material e.g. sand, diatomite, take up and collect in a closed and suitable labelled container. Warning: Absorbents soaked with the preparation may also cause fire hazard. In case of a big leakage – places of accumulation of the product should be embanked.

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:

Work in accordance with the industrial safety and hygiene rules. Ensure a good ventilation in a work place. Avoid contact with skin, eyes, do not swallow. Keep unused pickings in a tightly closed container.

7.2. Conditions for safe storage, including any incompatibilities

Store in cold, dry and well ventilated rooms in closed original containers at temperatures 5°C - +25°C. Protect from sun rays and other sources of heat. Don't 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 the ordinance of Minister of economy and work of 21.12.2005 (journal of law. No. 259, section 2173) and 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]
Light petrol treated with hydrogen (petroleum)	500	1500
Acetone	600	1800

8.2. Exposure controls

Observe the general rules of hygiene and safety. Ensure good ventilation in a work place. During work do not eat, drink and smoke tobacco. Wash hands before breaks and at the end of work. Avoid contacts with eyes.

Breathing equipment:

Avoid breathing of vapours. In case of short term contact with the mixture- a filtrating device for breathing. In case of long lasting intensive contacts with the mixture- ensure a device to protection of inhalation system independent of the air of environment (a respiratory mask with absorber of vapours equipped with a suitable filter).

Protection of hands and body:

Gloves must be made of material that has to be impermeable and resistant to the action of the preparation (e.g. rubber or PVA). This material has to be checked prior to its application. It is recommended that the gloves should be changed regularly and also when they have any symptoms of their wear, damage or changes appearance, colour, elasticity, form and so on.

Eye protection:

Protective glasses tightly closed.

Control of environmental exposure:

Do not allow big amounts of the product to reach sewage system, ground water or soil.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	pressured liquid
Colour	Colourless
Odour	Characteristic
Odour threshold	no determined
pH value	no determined
Melting freezing temperature	no determined
Initial boiling temp.	>35°C
Ignition temp.	>15°C
Evaporation rate	no determined
Self-ignition	-
Lower explosion limit	-
Upper explosion limit	-
Vapour pressure	-

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Vapour density	-
Density at 20°C	0,87g/cm ³
Solubility in water	Insoluble
Partition coefficient: n-octanol/water	no determined
Decomposition temp.	no determined
Explosion properties	-
Oxidation properties	no determined
Kinetic viscosity	no determined

9.2. Other information

Lack of additional tests.

10. Stability and reactivity

10.1. Reactivity

Not available

10.2. Chemical stability

The product is stable if it is properly used and kept.

10.3. Possibility of hazardous reactions

Reactions with oxidising agents.
Reactions with strong acids.

10.4. Conditions to avoid

Avoid naked fire, higher temperature, 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

on the skin:	Irritates skin. Repeated exposures may cause drying or cracking skin.
on the eye:	Irritating.
after swallowing:	Harmful, may cause lung injury in case of swallowing. Irritating to mucous membrane of oral cavity, throat and further sections of alimentary canal.
sensitization:	Vapours may produce feeling of somnolence and dizziness.

Data for light petrol treated with hydrogen (petroleum)
Inhalation exposure: LC50 rat > 20 mg/l/4h
Skin exposure: LD50 rat > 2000 mg/kg
Exposure of digestive system: LD50 rat > 2000 mg/kg
Data for acetone:
Acute oral toxicity: LD50 – 7400 mg/kg
Acute skin toxicity: LD50 – 20 000 mg/kg
Acute inhalation toxicity: LC50 – 50 100 mg/m³

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12. Ecological information

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Daphnia: EC(l) 50, 48h = 930 mg/l

Fish (Oncorhynchus mykiss) LC50 =450 mg/l

Bacteria (Pseudomonas putida) >730 mg/l

Data for light patrol treated with hydrogen (petroleum)

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

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

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

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

12.2. Persistence and degradability

No data

12.3. Bioaccumulative potential

Has potential to bioaccumulation.

12.4. Mobility in soil

Easily absorbent In 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.

12.6. Other adverse effects

No data

13. Disposal considerations

13.1. Waste treatment methods

Do not allow to reach sewage system. Store in original packaging. 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.

Observe the regulations:

EU Legal Instruments: Directives of European Parliament and Council 2006/12/EC I 94/62/EC, Directive of Council: 91/689/EEC

State legal instruments: journal of law. 2001, No. 62, section. 628 with later changes, journal of law 2001, No. 63, section 638 with later changes.

14. Transport information

14.1. UN-Number: 1950

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

Class ADR/RID- GGVSEB: 2

Sea transport IMDG/VSee:

Class IMDG/VSee: 2

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Air transport ICAO – TI IATA – DGR:

Class ICAO/IATA : 2

14.2. Proper shipping name

Aerosols

14.3. Transport hazard class(es)

2

14.4. Packing group

-

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 European Community No. 1907/2006 and the European Parliament and the Council of 18,12,2006 regarding granting permissions and applied restrictions in a range chemicals (REACH.) with later changes –

No: 279/2010 and establishment of the European Agency of Chemicals , changing EU Directive 1999/45/ EU and annulling the EEC regulation No. 793/93, and 1488/94 as well as EEC Directive 76/769/ EEC and Council 91/155/EEC 93/67/EEC, 93/105/EU, 2000/21/EU.

The Regulation 1272/2008/EU of European Parliament and Council of 16,12,2008 concerning classification , labelling and packing of substances and mixtures , changing and annulling Directives: 67/548/EEC and 1999/45/EU and changing the Regulation (EU) No. 1907/2006.

The Regulation 790/2009/EU of the Council of 10,08,2009 adopting to the scientific and technological progress the regulations of The European Parliament and Council No. 1272/2008 of 16,12,2008 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 European Parliament and Council concerning registration, estimation granting permissions and suitable limits in a range of chemicals(REACH).

The directive 2006/12/EU of European Parliament and Council of 05,04,2006 concerning waste.

The directive 91/689/ EEC Council of 12,12,1991 concerning dangerous waste.

The directive 94/62/EU of European Parliament and Council of 20,12,1994 concerning packing and packing waste.

The ordinance of Health Minister of 29,04,2010 concerning dangerous substances and preparations , whose packing is equipped with enclosure making it difficult to open by children and perceptible warning against danger by touch.

15.2. Estimation of chemical safety:

Estimation of chemical safety has been carried out.

16. Other information

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

H350 – May cause cancer

H304 –May be fatal if swallowed and enters airways

H336 – May cause drowsiness or dizziness

H225 – Highly flammable liquid and vapour

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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 the content of benzene (no. CE 200-753-7) in substances included in point 3 of the safety data sheet, expressed in mass fraction amounts to less than 0,1%.

Note H: note H is use only to some complex carbon and petroleum derivatives.

All the 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 chemical substances and preparations. The product is additionally classified as dangerous to environment because it may cause long lasting harmful effect to aquatic organisms and changes 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