

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



Date 2013-01-04
Update: 2017-01-24

INOX CLEANER

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

1.1. Product identifier

Trade name	INOX CLEANER
Article number	P-921 – 80 ml P-782 – 250 ml

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

identified uses:	An ecological, without acid paste designed for removing patina, carbon deposit, discoloration, sediments and stubborn stains from products made of stainless steel, (rustles and acid-proof) nickel-plated, chrome-plated and enamelled surfaces, as well as glass, ceramics, plastic, aluminium and ferrumless metals e.g. brass, bronze.
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 serious eye irritation. Contains D-Limonene. May produce an allergic reaction.
Environmental hazards:	-
Physical and chemical hazards:	-

Availability of Data Sheet for Medical Staff:

NALMAT-Trzebinia
Marian Krzyworzeka
Lipkowa 64 a
Poland
tel. +48 32 711-53-27
www.technicqll.pl
jakosc@technicqll.pl

2.2. Label elements



WARNING

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



Date 2013-01-04
Update: 2017-01-24

INOX CLEANER

Contains: C9-C11 ethoxylated alcohols.

H319 – Causes serious eye irritation.
EUH 208 – Contains D-Limonene. May produce an allergic reaction.

P102 – Keep out of reach of children.
P264 – Wash hands thoroughly after handling.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
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
Aluminium oxide	1344-28-1	215-691-6	012119529248-35-0114	< 52	-
DeminerIALIZED water	7732-18-5	231-791-2	-	< 40	-
N, N-di acetic acid	51981-21-6	257-573-7	01-2119493601-38-0001	< 6	-
C9-C11 ethoxylated alcohols	68439-46-3	614-482-0	01-2119980051-45-0000	< 3	Eye Irrit 2 H319
Czwartorzędowy alkil metylowy coco aminy etoksylate chlorek metylu	863679-20-3	627-129-0	-	< 2	Acute Tox 4, H302 Eye Dam 1, H318 Skin Irrit 2, H315
D- Limonene	5989-27-5	227-813-5	01-2119529223-47-0000	< 0,7	Skin Irrit 2, H315, Skin Sens 1, H317, Flam Liq 3 H226, Aqua Chronic 1 H410, Aqua Acute H400

4. First aid measures

4.1 Description of first aid measures

After eye contact: Wash eyes with plenty of water for at least 15 min. If irritation persists - contact a doctor.
After skin contact: In persons particularly sensitive, at the moment of irritation irritated places should be washed with water and soap and then rinsed. If irritation persists – contact a doctor.
After inhalation: Slow volatile product – poisoning by inhalation practically does not occur. In case of difficulty in breathing – ensure fresh air and medical help.

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



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INOX CLEANER

After swallowing: Rinse mouth thoroughly with water. Do not induce vomiting. Consult a physician and show this MSDS.

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

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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

CO₂, foam extinguisher and powder extinguisher, atomized water jet.

5.2. Special hazards arising from the substance or mixture

No data.

5.3. Advice for firefighters

Handling in case of a fire: Inform the neighbourhood about a fire. Remove all persons from an exposure area not taking part in liquidation of the fire. Inform the fire brigade and police. Containers exposed to action of a fire or high temperatures should be cooled with water from safe distance.

Special protective equipment: protective clothes and 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.

6.2. Environmental precautions:

Do not allow the product to reach sewage system, surface and ground water.

6.3. Methods and material for containment and cleaning up:

Larger quantities of the product should be taken up and collected in a tightly closed container. Store in accordance with local and state regulations.

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:

Handling and storage:

Work in compliance with the applicable industrial safety and hygiene rules, as well as with stand instructions in a work place. Use away from fire and possible ignition in well ventilated rooms. During work do not eat, drink and smoke. Use protection of eyes, hands and inhalation system.

7.2. Conditions for safe storage, including any incompatibilities

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



Date: 2013-01-04
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INOX CLEANER

Storage: Store in dry and well ventilated rooms in tightly closed containers at +5°C - +25°C. Store away from ignition sources. Do not smoke close to warehouse. In household conditions, store the product in original, tightly closed packages, in cool and well ventilated rooms, out of reach of children. Do not store together with food and drinks.

7.3. Specific end use(s)

No data.

8. Exposure controls/personal protection

The personal protection media should fulfil the requirements of instructions of the Cabinet of 21.12.2005 (Dz. U. No. 259, pos. 2173) Directive 89/686/WE (together with later changes). The employer is obliged to ensure measures of personal protection suitable for activities that are made and 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]
Aluminium oxide	The inhaled fraction: 2,5 Respirable fraction: 1,2	-

8.2. Exposure controls

Breathing equipment:

Necessary if ventilation is bad.

Protection of hands:

Protective gloves.

Eye protection:

Protective glasses

Protection of body:

Working clothes

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Psychical state	paste
Density	1,40 g/cm ³
Colour	White
Ignition point	-
Self-ignition point	-
Odour	Characteristic
Solubility in water	-
Solubility in esters and ketones	-
Dynamic viscosity at 25°C	-

9.2. Other information

Lack of additional tests.

SAFETY DATA SHEET
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Date 2013-01-04
Update: 2017-01-24

INOX CLEANER

10. Stability and reactivity

10.1. Reactivity

No data.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Strong acids and oxidants.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No data.

10.6. Hazardous decomposition products

Acetate acid during curing; in case of burning: CO, CO₂, SiO₂, toxic gasses and fumes are emitted.

11. Toxicological information

11.1. Information on toxicological effects

C9-C11 ethoxylated alcohols

Acute toxicity LD 50 (rat) , oral: 2000 - 5000 mg/kg

Acute toxicity LC50, inhalation: > 20 mg/l

Acute toxicity LD 50 (rat) , dermal: 2000 - 5000 mg/kg

NOEL: 250mg/kg

Czwartorzędowy alkil metylowy coco aminy etoksylate chlorek metylu

Acute toxicity LD 50 (rat) , oral: 300 - 2000 mg/kg

D – Limonene:

Acute toxicity LD 50 (mouse) , oral: 3500 mg/kg

12. Ecological information

12.1. Toxicity

C9-C11 ethoxylated alcohols

Ecotoxicity to Fish (96 h)-LC50: 1-10 mg/l

EC50: 1-10 mg/l (48 H) – Daphnia Magna

EC50: 1-10 mg/l (72 H) – Algae

Czwartorzędowy alkil metylowy coco aminy etoksylate chlorek metylu

Ecotoxicity to Fish (96 h)-LC50: 10-100 mg/l

EC50: 1-10 mg/l (48 H) – Daphnia Magna

EC50: 1-10 mg/l (72 H) – Algi

Di – Limonen:

Ecotoxicity to Fish (96 h)- LC50: <1 mg/l

EC50:< 1 mg/l (48 h) – Daphnia Magna

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



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INOX CLEANER

12.2. Persistence and degradability

No data.

12.3. Bioaccumulative potential

Do not possess potential for bioaccumulation.

12.4. Mobility in soil

No data.

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 the product to reach sink basins, water basins and sewage system.

Small quantities at the consumer's – treat as communal waste from a household. Big quantities of the waste product should not be disposed together with communal waste. Liquidate in waste treatment/disposal plants, in accordance with obligatory regulations.

Procedure with waste packages at the consumer's:

Treat the package after the product as communal waste.

Procedure with waste packaging containing the product residues (bigger quantities)

Transfer to utilization in accordance with obligatory 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/EC and 94/62/EC ,Directive of Council 91/689/EEC.

14. Transport information

14.1. UN-Number

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

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

Class ADR/RID – GGVSEB: -

Sea transport IMDG/VSee:

Class IMDG/VSee: -

Air transport ICAO – TI I IATA – DGR:

Class ICAO/IATA: -

14.2. Proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

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



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INOX CLEANER

14.5. Hazards to environment

Not applicable.

14.6. Special precautions for user

While handling the cargo, apply personal protection measures according to section 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:

H226 - Flammable liquid and vapour.

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

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