

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 10.07.2015

Version number 1

Revision: 10.07.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **Date of compilation:** 10.07.2015
- **1.1 Product identifier**
- **Trade name:** Pelox® Cleaning, polishing and conservation product TE 720
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation:**
Cleaning, polishing and conservation of shiny, polished, ground and painted surfaces
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**
Pelox BioChemie- und Umwelttechnik GmbH & Co. KG
Langer Acker 22
D-30900 Wedemark
Germany
mail: office@pelox.de
contact person : Mr. Peter Krämer
www.pelox.de
- phone: ++49 5130 58 89 0
fax: ++49 5130 58 89 58
- **E-mail address of the competent person responsible for the Safety Data Sheet:** office@pelox.de
- **Informing department:**
quality management department
phone.: ++49 5130 58 89 0
office hours: Monday-Thursday: 8.00 a.m. - 16.00 p.m / Friday: 8.00 a.m - 13.00 p.m.
- **1.4 Emergency telephone number:** As above or next toxicological information centre.


SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified as hazardous according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008 Void**
- **Hazard pictograms Void**
- **Signal word Void**
- **Hazard statements Void**
- **Additional information:**
Contains 2-Methyl-2H-isothiazol-3-one, 1,2-Benzisothiazol-3(2H)-one, Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione. May produce an allergic reaction.
Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

| | | |
|----------------------|---|---------|
| EC number: 918-481-9 | hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics | 10-<25% |
| |  Asp. Tox. 1, H304 | |

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

- **Ingredients according to Regulation (EC) No 648/2004:**

| | |
|------------------------|----------|
| aliphatic hydrocarbons | 15 - 30% |
|------------------------|----------|

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METHYLISOTHIAZOLINONE, TETRAMETHYLOLGLYCOLURIL, BENZISOTHIAZOLINONE

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact:**
Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** symptomatic treatment

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
Carbon dioxide (CO₂), extinguishing powder or water spray/fog. Fight larger fires with water spray/fog or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Can be released in case of fire:
Nitrogen oxides (NO_x)
Carbon monoxide (CO) and Carbon dioxide (CO₂)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
Cool endangered containers with water spray jet.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
If without risk possible, move drums with material away from dangerous area.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Avoid contact with skin and eyes.
Use breathing protection against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
Prevent material from reaching sewage system, holes and cellars.
- **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable containers.
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.

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See Section 13 for information on disposal.

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SECTION 7: Handling and storage**· 7.1 Precautions for safe handling***Ensure good ventilation/exhaustion at the workplace.**Prevent formation of aerosols.**Do not breathe vapour/spray.**Avoid contact with skin and eyes.**Make sure that all applicable workplace limits are observed.***· Information about protection against explosions and fires:***Highly volatile, flammable constituents are released during processing.**Fumes can combine with air to form an explosive mixture.**Flammable fume/air mixtures may be formed in empty containers.***· 7.2 Conditions for safe storage, including any incompatibilities****· Storage****· Requirements to be met by storerooms and containers:***Store only in the original container.**Provide solvent resistant, sealed floor.**Provide floor trough without outlet.**Observe all local and national regulations for storage of water polluting products.***· Information about storage in one common storage facility:***Store away from foodstuffs.**Store away from oxidising agents.***· Further information about storage conditions:***Store container in a well ventilated position.**Store in cool, dry conditions in well sealed containers.**Keep out of the reach of children.***· 7.3 Specific end use(s) No further relevant information available.****SECTION 8: Exposure controls/personal protection****· Additional information about design of technical systems: No further data; see item 7.****· 8.1 Control parameters****· Components with critical values that require monitoring at the workplace:***The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.***· 8.2 Exposure controls****· Personal protective equipment****· General protective and hygienic measures***Keep away from foodstuffs, beverages and food.**Wash hands during breaks and at the end of the work.**Use skin protection cream for preventive skin protection.**Do not inhale gases / fumes / aerosols.**Avoid contact with the eyes and skin.**Do not eat, drink or smoke while working.**Do not carry cleaning cloths impregnated with the product in trouser pockets.***· Breathing equipment:***If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.***· Protection of hands:***Solvent resistant gloves.**The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.**Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.*

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- **Material of gloves**
glove from Nitrile polymer
Recommended thickness of the material: ≥ 0.5 mm
Poly vinyl chloride - PVC
Recommended thickness of the material: ≥ 1 mm
- **Penetration time of glove material**
Penetration time: ≥ 8 hours
Protective gloves should be replaced at first signs of wear.
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses recommended during refilling.
- **Body protection:**
Solvent resistant protective clothing
Antistatic protective clothing
Body protection must be chosen depending on activity and possible exposure.
- **Limitation and supervision of exposure into the environment**
Do not allow to enter drainage system, surface or ground water.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

| | |
|---------|----------------|
| Form: | liquid |
| Colour: | cream coloured |
- **Smell:** characteristic
- **Odour threshold:** not determined
- **pH-value at 20 °C:** 8
- **Change in condition**

| | |
|------------------------------|--------|
| Melting point/Melting range: | 4 °C |
| Boiling point/Boiling range: | 100 °C |
- **Flash point:** > 60 °C
- **Inflammability (solid, gaseous)** not applicable
- **Ignition temperature:** not determined
- **Decomposition temperature:** Not determined.
- **Self-inflammability:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures is possible.
- **Critical values for explosion:**

| | |
|--------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |
- **Oxidising properties** not determined
- **Vapor pressure:** Not determined.
- **Density:** not determined
- **Bulk density:** not applicable
- **Relative density** 0.993
- **Vapour density (AIR = 1):** Not determined.
- **Evaporation rate** Not determined.

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- **Solubility in / Miscibility with Water:** miscible
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - dynamic: not determined
 - kinematic at 40 °C: > 20.5 mm²/s
- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **10.3 Possibility of hazardous reactions**
Flammable vapour-air mixtures may develop.
Used empty containers may contain product gases which form explosive mixtures with air.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Strong oxidizing agents
- **10.6 Hazardous decomposition products:**
Nitrogen oxides (NO_x)
Carbon monoxide (CO) and Carbon dioxide (CO₂)

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values that are relevant for classification:**

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

| | | |
|------------|----------|--|
| Oral | LD50 | >2000 mg/kg (rat) (t OECD 401) |
| Dermal | LD50 | >2000 mg/kg (rabbit) (Äquivalent OECD 402) |
| Inhalative | LC50/4 h | >5000 mg/l (rat) (Äquivalent OECD 403) |

2682-20-4 2-Methyl-2H-isothiazol-3-one

| | | |
|------------|----------|---------------------------|
| Oral | LD50 | 285 mg/kg (rat) |
| Dermal | LD50 | >2000 mg/kg (rat) |
| Inhalative | LC50/4 h | 0.384 mg/l (rat) (rat) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** Long or repeated contact can defat skin and may cause dermatitis.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Contains sensitising substances. May produce an allergic reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

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· **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

EL50/48 h >1000 mg/l (daphnia)

LL50/96h >1000 mg/l (rainbow trout (oncorhynchus mykiss))

2682-20-4 2-Methyl-2H-isothiazol-3-one

EC50/16 h 2.3 mg/l (pseudomonas putida)

EC50/48 h 1.6 mg/l (water flea (daphnia magna))

EC50/72 h 0.157 mg/l (algae (pseudokirchneriella subcapitata))

LC50/96 h 12.4 mg/l (bluegill (lepomis macrochirus))

6 mg/l (rainbow trout (oncorhynchus mykiss))

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Water hazard class 1 (Self-assessment): slightly hazardous for water

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

· **European waste catalogue:**

Waste disposal key numbers from EWC have to be assigned depending on origin and processing.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, IMDG, IATA**

Void

· **14.2 UN proper shipping name**

· **ADR, IMDG, IATA**

Void

· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**

· **Class**

Void

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| | |
|--|--|
| · 14.4 Packing group · ADR, IMDG, IATA | Void |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | - |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **Decree to be applied in case of technical fault:** Directive 2012/18/EU does not apply.
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water
- **VOC (EU):** 186 g/l
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
The(se) H-phrases are those of the ingredient(s) and do(es) not necessarily represent the classification of the product.
H304 May be fatal if swallowed and enters airways.
- **Department issuing MSDS:**
C.S.B. GmbH Phone: +49 - 2151 - 652086-0
Düsseldorfer Str. 113 Fax: +49 - 2151 - 652086-9
47809 Krefeld / Germany
- **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- **Sources:** These data are based on information submitted by pre-suppliers.