

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

Printing date 11.04.2018

Revision: 11.04.2018




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

- **1.1 Product identifier**
- Trade name: **Stripping paste No 461**
- Article number: 461
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- Application of the substance / the mixture Paint remover
- **1.3 Details of the supplier of the safety data sheet**
- Manufacturer/Supplier:
AURO AG
Alte Frankfurter Str. 211
D-38122 Braunschweig
nieder@auro.de
- Further information obtainable from: product safety department
- **1.4 Emergency telephone number:** During normal opening times: +49 531 281 41 19

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- Classification according to Regulation (EC) No 1272/2008

| | | |
|-------------------|------|--|
| Acute Tox. 4 | H302 | Harmful if swallowed. |
| Skin Corr. 1A | H314 | Causes severe skin burns and eye damage. |
| Eye Dam. 1 | H318 | Causes serious eye damage. |
| Skin Sens. 1 | H317 | May cause an allergic skin reaction. |
| Aquatic Chronic 2 | H411 | Toxic to aquatic life with long lasting effects. |
- **2.2 Label elements**
- Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.
- Hazard pictograms

GHS05 GHS07 GHS09
- Signal word Danger
- Hazard-determining components of labelling:
potassium hydroxide
orange oil
Dinkum oil
- Hazard statements
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
- Precautionary statements

| | |
|----------------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| P260 | Do not breathe dusts or mists. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER/doctor. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |
- **2.3 Other hazards**
- Results of PBT and vPvB assessment
- PBT: Not applicable.

(Contd. on page 2)

GB

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

Printing date 11.04.2018

Revision: 11.04.2018

Trade name: Stripping paste No 461

(Contd. of page 1)

· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

· *Description:* Mixture of substances listed below with nonhazardous additions.

· *Dangerous components:*

| | | |
|--------------------------------------|--|--------|
| CAS: 1310-58-3 EINECS: 215-181-3 | potassium hydroxide ☠ Skin Corr. 1A, H314; ☠ Acute Tox. 4, H302 | 25-50% |
| CAS: 8028-48-6 EINECS: 232-433-8 | orange oil ☠ Flam. Liq. 3, H226; ☠ Asp. Tox. 1, H304; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☠ Acute Tox. 4, H312; Skin Irrit. 2, H315; Skin Sens. 1, H317 | 1-10% |
| CAS: 84625-32-1 EINECS: 283-406-2 | Dinkum oil ☠ Flam. Liq. 3, H226; ☠ Skin Sens. 1, H317 | <1% |
| CAS: 1336-21-6 EINECS: 215-647-6 | ammonia ☠ Skin Corr. 1B, H314; ☠ Aquatic Acute 1, H400 | <1% |

· *Additional information:* For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

· *General information:*

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· *After inhalation:*

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· *After skin contact:* Immediately wash with water and soap and rinse thoroughly.

· *After eye contact:* Rinse opened eye for several minutes under running water. Then consult a doctor.

· *After swallowing:*

Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

· **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** No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

· *Suitable extinguishing agents:* Use fire extinguishing methods suitable to surrounding conditions.

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

5.3 Advice for firefighters

· *Protective equipment:* No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)

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

Printing date 11.04.2018

Revision: 11.04.2018

Trade name: Stripping paste No 461

(Contd. of page 2)

- Use neutralising agent.
- Dispose contaminated material as waste according to item 13.
- Ensure adequate ventilation.
- **6.4 Reference to other sections**
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

| |
|--------------------------------------|
| 1310-58-3 potassium hydroxide |
|--------------------------------------|

| |
|---|
| WEL Short-term value: 2 mg/m ³ |
|---|

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**
- **General protective and hygienic measures:**
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 4)

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

Printing date 11.04.2018

Revision: 11.04.2018

Trade name: Stripping paste No 461

(Contd. of page 3)

· Eye protection:



Tightly sealed goggles

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

| | |
|------------------|-----------------|
| Form: | Pasty |
| Colour: | Brown |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |

| | |
|----------------------|----|
| · pH-value at 20 °C: | 12 |
|----------------------|----|

· Change in condition

| | |
|--|---------------|
| Melting point/freezing point: | Undetermined. |
| Initial boiling point and boiling range: | 100 °C |

| | |
|----------------|-----------------|
| · Flash point: | Not applicable. |
|----------------|-----------------|

| | |
|------------------------------|-----------------|
| · Flammability (solid, gas): | Not applicable. |
|------------------------------|-----------------|

· Ignition temperature:

| | |
|----------------------------|-----------------|
| Decomposition temperature: | Not determined. |
|----------------------------|-----------------|

| | |
|------------------------------|------------------------------|
| · Auto-ignition temperature: | Product is not selfigniting. |
|------------------------------|------------------------------|

| | |
|-------------------------|---|
| · Explosive properties: | Product does not present an explosion hazard. |
|-------------------------|---|

· Explosion limits:

| | |
|--------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |

| | |
|-----------------------------|--------|
| · Vapour pressure at 20 °C: | 23 hPa |
|-----------------------------|--------|

| | |
|---------------------|------------------------|
| · Density at 20 °C: | 1.13 g/cm ³ |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |
| · Evaporation rate | Not determined. |

| | |
|---|-----------------|
| · Solubility in / Miscibility with water: | Fully miscible. |
|---|-----------------|

| | |
|---|-----------------|
| · Partition coefficient: n-octanol/water: | Not determined. |
|---|-----------------|

· Viscosity:

| | |
|-------------------|-----------------|
| Dynamic at 20 °C: | 6,500 mPas |
| Kinematic: | Not determined. |

| | |
|-------------------------|--|
| · 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. |
|---|---|

| | |
|---|-------------------------------|
| · 10.3 Possibility of hazardous reactions | No dangerous reactions known. |
|---|-------------------------------|

| | |
|----------------------------|--|
| · 10.4 Conditions to avoid | No further relevant information available. |
|----------------------------|--|

(Contd. on page 5)

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

Printing date 11.04.2018

Revision: 11.04.2018

Trade name: Stripping paste No 461

(Contd. of page 4)

- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- **Acute toxicity**
Harmful if swallowed.

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

1310-58-3 potassium hydroxide

| | | |
|------|------|-----------------|
| Oral | LD50 | 273 mg/kg (rat) |
|------|------|-----------------|

8028-48-6 orange oil

| | | |
|------|------|-------------------|
| Oral | LD50 | 4,400 mg/kg (rat) |
|------|------|-------------------|

| | | |
|--------|------|----------------------|
| Dermal | LD50 | 2,000 mg/kg (rabbit) |
|--------|------|----------------------|

84625-32-1 Dinkum oil

| | | |
|------|------|-------------------|
| Oral | LD50 | 2,500 mg/kg (rat) |
|------|------|-------------------|

| | | |
|--------|------|----------------------|
| Dermal | LD50 | 5,000 mg/kg (rabbit) |
|--------|------|----------------------|

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation**
May cause an allergic skin 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.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

- **Aquatic toxicity:** No further relevant information available.
- **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.

Ecotoxicological effects:

- **Remark:** Toxic for fish

Additional ecological information:

General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Danger to drinking water if even extremely small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

(Contd. on page 6)

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

Printing date 11.04.2018

Revision: 11.04.2018

Trade name: Stripping paste No 461

(Contd. of page 5)

- 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 together with household garbage. Do not allow product to reach sewage system.

- *European waste catalogue*

06 02 04* sodium and potassium hydroxide

- *Uncleaned packaging:*
- *Recommendation:* Disposal must be made according to official regulations.
- *Recommended cleansing agents:* Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA**

UN1719

- **14.2 UN proper shipping name**
- **ADR**

1719 CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE), ENVIRONMENTALLY HAZARDOUS CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE, orange oil, AMMONIA SOLUTION), MARINE POLLUTANT

- **IMDG**
- **IATA**

- **14.3 Transport hazard class(es)**

- **ADR, IMDG**



- **Class**
- **Label**

8 Corrosive substances.
8

- **IATA**



- **Class**
- **Label**

8 Corrosive substances.
8

- **14.4 Packing group**
- **ADR, IMDG, IATA**

II

- **14.5 Environmental hazards:**

Product contains environmentally hazardous substances:
orange oil

- **Marine pollutant:**

Yes
Symbol (fish and tree)

- **Special marking (ADR):**

Symbol (fish and tree)

- **14.6 Special precautions for user**

Warning: Corrosive substances.

- **Danger code (Kemler):**

80

- **EMS Number:**

F-A,S-B

- **Segregation groups**

Alkalis

(Contd. on page 7)

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

Printing date 11.04.2018

Revision: 11.04.2018

Trade name: Stripping paste No 461

(Contd. of page 6)

| | |
|--|---|
| · Stowage Category | A |
| · Segregation Code | SG22 Stow "away from" ammonium salts SG35 Stow "separated from" acids. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · <i>Transport/Additional information:</i> | |
| · ADR | |
| · Limited quantities (LQ) | 1L |
| · Excepted quantities (EQ) | Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml |
| · Transport category | 2 |
| · Tunnel restriction code | E |
| · IMDG | |
| · Limited quantities (LQ) | 1L |
| · Excepted quantities (EQ) | Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml |
| · UN "Model Regulation": | UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE), 8, II, ENVIRONMENTALLY HAZARDOUS |

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.
- Seveso category E2 Hazardous to the Aquatic Environment
- Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
- **Department issuing SDS:** product safety department
- **Contact:** N.N.
- **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

(Contd. on page 8)

GB

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

Printing date 11.04.2018

Revision: 11.04.2018

Trade name: Stripping paste No 461

(Contd. of page 7)

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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