

Safety data sheet

according to 1907/2006/EC, Article 31

Date Printed 17.02.2022

Version number 1

Revision Date 17.02.2022

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

- **1.1 Product identifier**
- **Trade name: Pikal professional polishing paste**
- **Article number:** AGC8070
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Pikal® professional metal polishing compound is a thick paste with a high content of abrasives. It achieves good results in instrumentation cleaning and surface finishing.
- **Sector of Use**
 It can be used to remove stains on metal, glass and enamels, as well as for use with buffing wheels, wipes or cotton swabs for polishing.
- **Application of the substance / the preparation:** No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier.**
 Agar Scientific Ltd
 Parsonage Lane
 Stansted CM24 8GF
 United Kingdom
 sales@agarscientific.com
 Tel: +44 (0) 1279 813 519
- **Further information obtainable from:** Technical Support
- **1.4 Emergency telephone number:** 24 hours: +44 (0)1856 407333

SECTION 2: Hazards identification

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



health hazard

- Carc. 2 H351 Suspected of causing cancer.
- STOT SE 2 H371 May cause damage to organs.
- Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



- Skin Irrit. 2 H315 Causes skin irritation.
- Eye Irrit. 2 H319 Causes serious eye irritation.
- STOT SE 3 H335 May cause respiratory irritation.

- **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**



GHS07 GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**
 Mineral oil (Kerosene)
- **Hazard statements**
 H315 Causes skin irritation.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Date Printed 17.02.2022

Version number 1

Revision Date 17.02.2022

Trade name: Pikal professional polishing paste

(Contd. of page 1)

- H319 Causes serious eye irritation.
- H351 Suspected of causing cancer.
- H371 May cause damage to organs.
- H335 May cause respiratory irritation.
- H304 May be fatal if swallowed and enters airways.

Precautionary statements

- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P321 Specific treatment (see on this label).
- P331 Do NOT induce vomiting.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- 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.
- **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: 1344-28-1 EINECS: 215-691-6	Abrasive material (Al ₂ O ₃)	☠ Acute Tox. 4, H332	20.0%
CAS: 8008-20-6 EINECS: 232-366-4	Mineral oil (Kerosene)	☠ Asp. Tox. 1, H304	10.0%

- **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.

After inhalation:

No adverse effects are anticipated from inhalation.

In case of falling sick due to inhalation of fume or mist, move to the other place to get a fresh air. If discomfort persists, obtain doctor's diagnosis.

After skin contact:

Wash with water and soap and rinse thoroughly.

After well washing by soap, rinse by water. Contaminated clothes shall be taken off immediately and be cleaned before re-use. If abnormal feeling persists, obtain doctor's diagnosis.

After eye contact:

Rinse opened eye under running water. If symptoms persist, consult a doctor.

Don't rub eye but rinse eyes with flushing fresh water for at least 15 minutes, through the backside of eyelid. In case of contact lens being used, remove it immediately and clean. If eye irritation persists, obtain doctor's diagnosis.

After swallowing:

Don't get the person to vomit forcibly but rinse mouth by water and then obtain doctor's diagnosis..

4.2 Most important symptoms and effects, both acute and delayed

In case of accidental ingestion, mucosa of stomach becomes or delayed symptoms stimulated and certain symptoms such as vomiting, diarrheal, stomach ache, etc may be caused.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Date Printed 17.02.2022

Version number 1

Revision Date 17.02.2022

Trade name: Pikal professional polishing paste

(Contd. of page 2)

- **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:**
Carbon dioxide, powder extinguishant, bubble extiguishant, dried sand.
- **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
Remove goods away from fire area if it is not danger. Fire extinction from upwind position.
- **Protective equipment:**
Positive pressure self-contained breathing apparatus.
Use adequate protective equipment (glove, goggle, mask, etc).

*

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear gloves.
Operator should wear an adequate protective equipment (rubber gloves, goggle, apron, mask, etc).
For inner operation, take a position in upwind under well air ventilated circumstance. Prepare extinguisher for fire protection. Refrain from using fire around the work area.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
For a small amount of waste, reclaim it in tightly sealable container after absorbing it to a waste cloth, sawdust, soil, or sand, etc. For massive disposal, claim it into a tightly sealable metal container after collecting by scoop etc.
Remove all ignition sources. Refrain from using fire and smoking in working area. Prevent waste being flown into a drain ditch, drain sewer, etc
- **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**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Obtain an operation manual and understand every safety matters before starting operation.
Refrain from using hot materials and fire around working area. Refrain from inhaling mist or fume.
Refrain from taking food or smoking while using this product. Rinse hands after handling and avoid eye contact. Use adequate protective equipment
- **Information about fire - and explosion protection:**
Extinguishing media: Water fog - dried resin only.
- **7.2 Conditions for safe storage, including any incompatibilities**
Isolate from ignition source such as heat, sparks, open flame.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Refrain from storing under direct sunlight, in high temp.($\geq 40^{\circ}\text{C}$), or in the place easily exposed by water splash or high humidity.
- **Information about storage in one common storage facility:** Not required.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Date Printed 17.02.2022

Version number 1

Revision Date 17.02.2022

Trade name: Pikal professional polishing paste

(Contd. of page 3)

- **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

- **8.1 Control parameters**
- **Additional information about design of technical facilities:**
Working area should be well ventilated.
It is recommended to have a washing place (for hand, eye) near to working area.

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

1344-28-1 Abrasive material (Al₂O₃)

WEL	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust
-----	---

- **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.
Remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **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.
- **Eye protection:**
Safety glasses



Tightly sealed goggles

- **Body protection:** Protective suit, if needed.

GB

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Date Printed 17.02.2022

Version number 1

Revision Date 17.02.2022

 Trade name: **Pikal professional polishing paste**

(Contd. of page 4)

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Pasty
Colour:	Light brown
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value at 20 °C:	9-11
· Change in condition	
Melting point/freezing point:	45-50 °C
Initial boiling point and boiling range:	60 °C
Crystallisation temperature / range:	0 °C
· Flash point:	45 °C
· Flammability (solid, gas):	Not determined.
· 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:	Not applicable.
· Density at 20 °C:	1.2 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water:	Insoluble.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	0.2 %
Solids content:	100.0 %
· 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** Stable under normal conditions.
- **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** Heating, freezing.
- **10.5 Incompatible materials:** No further relevant information available.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Date Printed 17.02.2022

Version number 1

Revision Date 17.02.2022

Trade name: **Pikal professional polishing paste**

(Contd. of page 5)

- **10.6 Hazardous decomposition products:**
By heating, petroleum component(kerosene) turns into inflammable vapour.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Specific symptoms in biological assay:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity**
Suspected of causing cancer.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause damage to organs.
May cause respiratory irritation.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard**
May be fatal if swallowed and enters airways.

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.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **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 together with household garbage. Do not allow product to reach sewage system.
Follow relative regulations and standards of local government. Entrust industrial waste disposer who is authorized by prefectural governor or local public authority. Hazardous nature and toxicity should be explained to the disposer.
- **Recommendation:**
Contaminated container must be cleaned for recycling or adequately disposed in accordance with the relative regulation and the standard of local government. For disposal of empty container, contents must be removed completely.

GB

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Date Printed 17.02.2022

Version number 1

Revision Date 17.02.2022

 Trade name: **Pikal professional polishing paste**

(Contd. of page 6)

SECTION 14: Transport information

· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	Yes
· 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.
· UN "Model Regulation":	Void

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.
- **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 and should assist the user with the safe handling of this material when properly applied. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
 H304 May be fatal if swallowed and enters airways.
 H332 Harmful if inhaled.
- **Department issuing SDS:** Sales department
- **Contact:**
 sales@agarscientific.com
 Tel: +44 (0) 1279 813 519
- **Abbreviations and acronyms:**
 ADR: Accord relatif au transport international 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)
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Carc. 2: Carcinogenicity – Category 2
 STOT SE 2: Specific target organ toxicity (single exposure) – Category 2

(Contd. on page 8)

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

Date Printed 17.02.2022

Version number 1

Revision Date 17.02.2022

Trade name: **Pikal professional polishing paste**

Asp. Tox. 1: Aspiration hazard – Category 1

(Contd. of page 7)

· * **Data compared to the previous version altered.**

GB