

**Product name:** PIKAL Care metal polishing paste  
**Document Nr.:** SDS00153000260-01

**Date:** April 9th 2018  
**Version:** 1.0

## Section 1: Identification of the substance or mixture and the company

### 1.1. Product Identifier

53-000260 PIKAL Care metal polishing paste

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

Polishing and cleaning metal, hard materials, enamels materials to a mirror finish  
Abrasive material

### 1.3. Details of the supplier of the Safety Data Sheet

Vof Micro to Nano  
Wateringweg 79  
2031EK Haarlem  
Netherlands  
Tel: +31(0)85-2013155  
E: info@microtonano.com

### 1.4 Emergency telephone number

112 (NLD) or your national emergency telephone number for chemical spills, leaks, fires, exposures or accidents

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

<b>Physical:</b>	Low flammability
<b>Health:</b>	Specific target organ toxicity 1 Skin irritant category 2 Eye irritant category 2 Suspected of causing cancer
<b>Environment:</b>	None
<b>Other hazards:</b>	None

### Classification according to Regulation EC Nr. 1272/2008

Xi: Irritant  
Xn: Harmful  
Xi: Sensitising



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<b>Health:</b>	R40: Limited evidence of a carcinogenic effect R37: Irritating to respiratory system R38: Irritating to skin R43: May cause sensitisation by skin contact R36: Irritating to eyes
<b>Physical</b>	R10: Flammable
<b>Environment:</b>	R52: Harmful to aquatic systems
<b>Other hazards:</b>	Not classified

## 2.2 Labeling elements

### Labelling accordance to Regulation EC Nr. 1272/2008

**Hazard pictogramm(s):**



**Signal word:**

**Danger**

**Hazard statement(s):**

H302: Harmful if swallowed  
H315: Causes mild skin irritation  
H317: May cause an allergic skin reaction  
H319: Causes serious eye irritation  
H335: May cause respiratory irritation  
H371: May cause damage to organs  
H372: Causes damage to organs

**Precautionary statement(s)**

**Prevention:**

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  
P201: Obtain special instructions before use  
P202: Do not handle until all safety precautions have been read and understood  
P260: Do not breath dust/fume/gas/mist/vapours/spray  
P264: Wash hands thoroughly after handling  
P270: Do not eat, drink or smoke when using this product  
P273: Avoid release to the environment  
P281: Use personal protective equipment as required

**Response:**

P308+P313: If exposed or concerned: Get medical attention  
P304+P315: If inhaled: Get immediate medical advice/attention  
P302+P352: If on skin: Wash with plenty of water and soap.  
P332+P313: If skin irritation occurs: Get medical advice/attention



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**Storage:** 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  
P391: Collect spillage  
P405: Store locked up

**Disposal:** P403+P233: Store in a well-ventilated place. Keep container tightly closed  
P501: Dispose of contents/container in accordance to local/regional/international regulations

**Supplemental hazard info:** none

## 2.3 Other hazards

Not classified

## Section 3: Composition / information on components

### 3.1. Substances

Not applicable

### 3.2 Mixtures

Component	CAS Nr.	EC Nr.	WT%
Mineral oil	8042-47-5	232-455-8	10-20
Mineral turpentine	64742-82-1	232-366-4	10-20
Ammonia hydrate solution (25%)	1336-21-6	215-647-6	1-5
Xylene	1330-20-7	203-576-3	<1
Aluminium Oxide Al <sub>2</sub> O <sub>3</sub>	1344-28-1	215-691-6	20-30
Surfactant	--	--	1-5
Fatty acids, C16-18 and C18- unsaturated	67701-08-0	266-932-7	--
Water	7732-18-5	231-791-2	1-10

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Contact with eyes:** Rinse cautiously with water for several minutes. If possible, remove contact lenses. Continue rinsing.  
Seek medical attention if irritation persists.



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<b>Contact with skin:</b>	Wash with water and soap. Seek medical attention if irritation persists.
<b>Inhalation:</b>	Fresh air, keep warm and at rest. Seek immediate medical advice
<b>Ingestion:</b>	If swallowed, do not induce vomiting Seek immediate medical advice If vomiting appears imminent or occurs hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus. Never give liquid to a person with reduced awareness Give water to rinse out mouth, then provide water slowly as much as casually can comfortably drink Avoid giving milk, oils or alcohol

## 4.2. Important symptoms and effects, either immediate or delayed

<b>Inhalation:</b>	May cause damage to the lungs; chemical pneumonitis Symptoms: cough, sore throat, asthma
<b>Ingestion:</b>	May cause digestive tract irritation Symptoms: sore throat, abdominal pain, nausea, vomiting
<b>Skin contact:</b>	Mildly irritating to skin Symptoms: redness and pain
<b>Eye contact:</b>	Irritating to eyes Symptoms: redness and pain, impaired vision

## 4.3. Indication of any immediate medical attention and special treatment

<b>General advice:</b>	If you feel unwell, seek medical advice; show product label if possible If symptoms persist, always call a doctor
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## Section 5: Firefighting Measures

### 5.1. Extinguishing media

Use dry chemical, CO<sub>2</sub>, chemical foam or dried sand.

### 5.2 Special hazards arising from the substance or mixture

No further relevant information available

### 5.3 Advice to firefighters

Fight fire from a safe distance, with adequate cover  
Wear self-contained breathing apparatus and full firefighting turn-out gear



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## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation  
Wear suitable protective clothing including eye/face protection

### 6.2 Environmental precautions

Avoid release to the environment  
Do not allow to enter public sewers and waterways

### 6.3 Methods and material for containment and clean up

Clean up spills immediately  
Collect spillage and wipe residue with a paper towel wetted with alcohol.  
Collect spillage and dirty towels in a sealable waste container  
Wash spill area with soap and water to remove last traces of residue

### 6.4 Reference to other sections

For further information see section 8

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid breathing dust/mist  
Ensure adequate ventilation  
Avoid using hot materials and fire around working area  
Avoid contact with skin and eyes  
Wash thoroughly after use  
Wear protective gloves/protective clothing/eye protection  
Flammable when heated

### 7.2 Conditions for safe storage, including any incompatibilities

Store locked up in a cool dry place below 40°C out of direct sun light  
Isolate from ignition source such as heat, sparks, open flame  
Keep container tightly sealed  
Keep out of reach of children



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## 7.3 Specific end uses(s)

Industrial abrasive material for cleaning and polishing

## Section 8: Exposure control and personal protection

### 8.1. Control parameters

#### Exposure limits

#### Occupational exposure limits (OEL)

Ingredient	TWA	STEL
Mineral oil	200mg/m <sup>3</sup>	Not available
Mineral turpentine	200mg/m <sup>3</sup>	Not available
Ammonia hydrate solution (25%)	18mg/m <sup>3</sup>	25mg/m <sup>3</sup>
Xylene	100mg/m <sup>3</sup>	150mg/m <sup>3</sup>
Aluminium Oxide Al <sub>2</sub> O <sub>3</sub>	Not available	Not available
Surfactant	Not available	Not available
Fatty acids, C16-18 and C18- unsaturated	Not available	Not available
Water	Not available	Not available
PIKAL Care metal polishing paste	Not available	Not available

### 8.2 Exposure controls

- Control procedures:** Ensure adequate ventilation  
Keep away from food stuffs, beverages and feed  
Wash hands before breaks and at the end of work  
Remove all soiled and contaminated clothing
- Personal protection:** Take precautions to avoid contact with eyes and skin when handling the product
- Inhalation:** In case of insufficient ventilation, wear suitable respiratory equipment
- Hands and skin:** Wear suitable gloves against chemicals; recommended gloves:  
Nitrile
- Eyes:** Wear safety goggles or full-face protection



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## 10.5 Incompatible materials

No further relevant information available

## 10.6 Hazardous decomposition products

By heating, petroleum components (mineral turpentine) turns into flammable vapour

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure:

**Inhalation:** May be fatal if swallowed and enters airways  
**Ingestion:** May cause irritation  
**Skin contact:** Irritant to skin, redness or rash  
Sensitisation possible through skin contact  
**Eye contact:** May cause serious eye damage/irritation  
**Chronic:** CMR effects: Carc. 2

#### Toxicological data:

No information available

## Section 12: Ecological information

### 12.1. Toxicity

Harmful to fish

### 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



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## 12.5 Results of PBT and vPvB assessment

No further relevant information available

## 12.6 Hazardous decomposition products

No experimental data available

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Product:** This material and its container must be disposed of in a safe way. Do not discharge into drains or the environment, dispose to an authorised waste collection point.

**National regulations:** Disposal should be in accordance with local, state or national legislation.

## Section 14: Transport information

**Labels required:** None

### 14.1. UN number

**UN-number:** Not applicable

### 14.2 UN proper shipping name

**Proper shipping name:** Not applicable

### 14.3 Transport hazard class(es)

**Class:** Not applicable  
**ADR/RID-Classification code:** Not applicable

### 14.4 Packing group

**Packing:** Not applicable

### 14.5 Incompatible materials

**ADR/RID- Environmentally hazardous:** Not applicable  
**IMDG-Marine pollutant:** Not applicable  
**IATA/ICAO-Environmentally hazardous:** Not applicable



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## 14.6 Special precautions for user

Not applicable

## 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not applicable

## Section 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Not applicable

### 15.2 Chemical safety assessment

All substances are listed

## Section 16: Other information

### RoHS Directive Compliant

This product is fully compliant with the directive 2100/65/EU Annex II (RoHS). It does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's or PBDE's.

### WEEE

This product is not a piece of electrical or electronic equipment, and it therefore not governed by Directive 2002/96/EC on waste electrical and electronic equipment (WEEE)

### Abbreviations:

Asp. Tox	Aspiration hazard
Carc.	Carcinogenicity
Exp.	Exposure
Flam.	Flammable
GHS	Global Harmonised System of Classification of Labelling Chemicals
Irrit.	Irritant
N/A	Not applicable
N/E	Not estimated
PBT	Persistent Bioaccumulative and Toxic
WEL	Workplace Exposure Limit
Repr.	Reproductive toxicant
RoHS	Restriction of Hazardous Substance



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SEM	Scanning Electron Microscope
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
TCLo	Lowest published toxic concentration
vPvB	very Persistent and very Bioaccumulative
WEEE	Waste Electrical and Electronic Equipment

## DSD / DPD label elements



### Full Text Risk and Hazard codes

- H302: Harmful if swallowed
  - H315: Causes mild skin irritation
  - H317: May cause an allergic skin reaction
  - H319: Causes serious eye irritation
  - H335: May cause respiratory irritation
  - H371: May cause damage to organs
  - H372: Causes damage to organs
- 
- 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
  - P201: Obtain special instructions before use
  - P202: Do not handle until all safety precautions have been read and understood
  - P260: Do not breath dust/fume/gas/mist/vapours/spray
  - P264: Wash hands thoroughly after handling
  - P270: Do not eat, drink or smoke when using this product
  - P273: Avoid release to the environment
  - P281: Use personal protective equipment as required
  - P308+P313: If exposed or concerned: Get medical attention
  - P304+P315: If inhaled: Get immediate medical advice/attention
  - P302+P352: If on skin: Wash with plenty of water and soap.
  - P332+P313: If skin irritation occurs: Get medical advice/attention
  - 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
  - P391: Collect spillage
  - P405: Store locked up
  - P403+P233: Store in a well-ventilated place. Keep container tightly closed



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P501: Dispose of contents/container in accordance to local/regional/international regulations

**Safety advice:**

S02 – Keep out of reach of children.

S03 – Keep in a cool place

S07 – Keep container tightly closed

S13 – Keep away from food, drink and animal feeding stuff.

S16 – Keep away from sources of ignition

S20 – When using do not eat or drink

S21 – When using do not smoke

S23 – Do not breath gas/fumes/vapour/spray.

S26 – In case of contact with eyes, rinse with plenty of water and seek medical help.

S28 – After contact with skin, wash immediately with detergent and plenty of water

S29 – Do not empty in drains.

S35 – This material and its container must be disposed of in a safe way.

S36 – Wear suitable protective clothing.

S37 – Wear suitable gloves.

S38 – In case of insufficient ventilation, wear suitable respiratory equipment.

S39 - Wear eye / face protection.

S43 – In case of fire use dry sand, CO<sub>2</sub>, chemical spray

S45 – In case of accident or if you feel unwell, immediately contact Doctor or Poisons information center (show label if possible).

S46 – If swallowed, seek immediate medical advice and show label if possible.

S56 – Dispose of this material and its container at hazardous or special waste collection point.

S61 – Avoid release to the environment

S63 – In case of accident by inhalation, remove casualty to fresh air and keep at rest.

S64 – If swallowed, rinse mouth with water (only if person is conscious)

This product should be stored, handled and used in accordance with good industrial hygiene practices and in accordance with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe the product from the point of view of safety requirements. It does not guarantee any specific properties.

It is the responsibility of the user to query and verify any information seeming suspect or where doubt on the validity may exist. The buyer assumes all responsibility of using and handling the product in accordance with local, state, federal and international regulations.

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