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# Safety Data Sheet

Issue: Nov. 15, 2010
Revision: May. 1, 2025

## I. Product Information:

| | |
|---|---|
| * Product Name: | Pikal Metal Polish(Paste type) |
| * Product Code: | 18000 18400 19000 |
| * Manufacturer: | Nihon Maryo Kogyo Co., Ltd. |
| Address: | 3-23-15 Takanawa, Minato-ku, Tokyo, 108-0074, Japan<br>Sales Department |
| Telephone Number: | 03-3441-6231 |
| FAX Number: | 03-3441-6236 |
| Emergency Tel Number: | Ohmori Plant/Production Dept.<br>Tel: 03-3762-1666<br>Fax: 03-3762-1668 |
| * Recommended Application | Metal Polishing |

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## II. Hazard Identification:

* GHS Classification:

| Hazard Class | Hazard Category | Signal Word | Pictogram |
|---|---|---|---|
| Skin corrosion/irritation | Category -2 | Warning | |
| Serious eye damage/eye irritation | Category -2B | Warning | -- |
| Genital Cell Mutagenicity | Category -2 | Warning | |
| Carcinogenicity | Category -2 | Warning | |
| Specific target organ toxicity(single exposure)（lung） | Category -2 | Warning | |
| Specific target organ toxicity(single exposure)<br>（respiratory tract） | Category -3 | Warning | |
| Specific target organ toxicity(repeated exposure) | Category -1 | Danger | |

Label elements

*Pictograms:

*Signal word: Danger

* Hazard statements:

① H315 **Causes skin irritation**
② H320 **Causes eye irritation**
③ H341 **Suspected of causing genetic defects**
④ H351 **Suspected to causing cancer**
⑤ H371 **May cause damage to organs**

⑥H335 **May cause respiratory irritation**

⑦H372 **Causes damage to organs**

*Precautionary statements:

General（Consumer products）

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.

Safety

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash ... thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**First-Aid**

P302＋P352 IF ON SKIN: Wash with plenty of water/soap/...

P332＋P313 If skin irritation occurs: Get medical advice/attention.

P362＋P364 Take off contaminated clothing and wash it before reuse.

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.

P301＋P330＋P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P315 Get immediate medical advice/attention.

P308＋P313 IF exposed or concerned: Get medical advice/attention.

P304＋P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P314 Get medical advice/attention if you feel unwell.

**Storage**

P405 Store locked up.

P403＋P233 Store in a well-ventilated place. Keep container tightly closed.

**Disposal**

P501 Dispose of contents / container to waste in accordance with local / regional / national / international regulations (to be specified).

III. Composition･Information on Ingredients:

* Demarcation of chemical Substance/mixture - Mixture:

| Ingredients Name | Industrial Safety and Health Act notifiable substances | | Chemical Management Act | PRTR No. | CAS No. |
|---|---|---|---|---|---|
| | Cabinet order # | Content rate % | | | |
| Aluminum oxide | N/A | 20 | 1-23 | N/A | 1344-28-1 |
| Amorphous silica (crystalline and amorphous silicon dioxide, less than 0.1% crystalline) | N/A | 20 | Existing act | N/A | 7631-86-9 |
| Kerosene | #1315 | 10 | 9-1702 | N/A | 8008-20-6 |
| Xylene ( Included in Kerosene) | #426 | 0.15 | 3-3 3-60 | N/A | 1330-20-7 |
| Mineral oil | #581 | 20 | Existing act | N/A | 64742-56-9 |
| Paraffin wax | #583 | 18 | 8-414 | N/A | 64742-43-4 63231-60-7 |
| Fatty Acid | N/A | 12 | 2-608 2-609 2-975 | N/A | 67701-06-8 |

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IV. First Aid:

* 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.

* Skin contact: 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.

* Eye contact: 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.

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

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

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V. Measure on Fire:

* Extinguishant: Carbon dioxide, powder extinguishant, bubble extinguishant, dried sand

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|---|---|
| * Particular way for fire extinction | Remove goods away from fire area if it is not danger.<br>Fire extinction from upwind position. |
| * Particular method for fire extinction | Use adequate protective equipment (glove, goggle, mask, etc) |

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VI. Measure on Leakage:

* Cautions on Body, Protective Equipment and Emergency Measures

Operator shall 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.

* Cautions on Circumstance:

Take a necessary measure to prevent waste being disposed Into a river, considering environmental affect.
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 a mass disposal, claim it into a tightly sealable metal container after collecting by scoop etc.

* Avoid Secondary Disaster

Remove all ignition source.
Refrain from using fire and smoking in a work area
Prevent waste being flown into a drain ditch, drain sewer, etc

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VII. Caution on Handling/Storage:

* Handling:

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|---|---|
| ** Technical Measure | Work area shall be well air ventilated. |
| ** Safety Handling Note | Obtain an operation manual and understand every safety matters before starting operation.<br>Refrain from using high temperature matter and fire around work area<br>Refrain from inhaling mist or fume.<br>Refrain from taking food or smoking while using this product<br>Rinse hands after handling and avoid eye contact<br>Use an adequate protective equipment |

* Storage:

| | |
|---|---|
| ** Storing Condition | Isolate from ignition source such as heat, spark, open flame<br>Refrain from storing under direct sunlight, in high temp.(≧40℃), or in the place easily exposed by water splash or high humidity. |

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VIII. Anti-Exposure and Protection Measure:

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|---|---|
| * Concentration Control | Not specified |
| * Facility Measure | It is recommended to have a washable place(for hand, eye) |

near to work area

* Protective Equipment:

| | |
|---|---|
| ** For respiratory apparatus | Take a protective mask if it is needed |
| ** For hand | Take protective gloves if it is needed |
| ** For eyes | Take a protective goggle if it is needed |
| ** For skin and body | Take a protective suit if it is needed |
| * Sanitary Measure: | Rinse hands after use |

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IX. Physical and Chemical Characteristics:

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|---|---|
| * Physical status | Khaki Paste |
| * Odor | Faint petroleum odor |
| * Melting Point | 45~50℃ |
| * Flashing Point | 45℃(flashing point of contained kerosene) |
| * Specific Gravity(density) | 1.2(20℃) |
| * Solubility in water | Insoluble |

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X. Stability and Reactivity:

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|---|---|
| * Stability | Stable under normal condition |
| * Dangerous hazardous reaction | None |
| * Situation to Avoid | Heating |
| * Dangerous hazardous product | By heating, petroleum component(kerosene) turns into inflammable vapor |

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XI. Toxicological Information:
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Toxicological information on each ingredient.
( Items not listed are Not Classifiable or Out of Category)

| | | |
|---|---|---|
| Aluminum oxide | Specific target organ toxicity (single exposure) | Category -3(Respiratory irritation) |
| | Specific target organ toxicity (repeated exposure) | Category -1（Inhalation･Lung） |
| Silica | Specific target organ toxicity (repeated exposure) | Category -1（Inhalation･Lung） |
| Kerosene | Skin corrosion/irritation | Category -2(Human: Irritation was observed) |
| | Carcinogenicity | Category -2 ( IARC:group3 AGCIH: group A3) |
| | Specific target organ toxicity | Category -3(Respiratory irritation/ |

| | | |
|---|---|---|
| | (single exposure) | Narcotic effect) |
| | Aspiration Hazard | Category -1 |

| | | |
|---|---|---|
| Mineral oil | Skin corrosion/irritation | Category -3 |
| | Serious eye damage/eye irritation | Category -2B (Rabbits: Mild irritation ) |
| | Germ cell mutagenicity | Category -2(Positive result from in vivo somatic cell mutagenicity tests in rats.) |
| | Specific target organ toxicity (single exposure) | Category -2(Lung) |
| | Specific target organ toxicity (repeated exposure) | Category -1(Lung) |
| | Aspiration Hazard | Category -1 |
| Paraffin wax | Serious eye damage/eye irritation | Category -2B |
| | Specific target organ toxicity (single exposure) | Category -3(Respiratory irritation) |

There are no data available on the mixture itself. Classification was performed according to the classification criteria for mixtures.

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| | | |
|---|---|---|
| * Acute Toxicity (Oral) | All ingredients are classified in Out of category. | |
| | Classified in Out of category | |
| * Acute Toxicity (Percutaneous) | No data | Not Classifiable |
| * Acute Toxicity (Dust attraction : Dust, Mist) | No data | Not Classifiable |
| * Skin corrosion/irritation | Contains 10% of a Category -2 ingredient | |
| | Classified in Category- 2. | |
| * Serious eye damage/eye irritation | Contains 25% of a Category -2B ingredient. Classified in Category- 2B. | |
| * Respiratory sensitization | No data | Not Classifiable |
| * Skin sensitization | No data | Not Classifiable |
| * Germ cell mutagenicity | Contains 20% of a Category -2 ingredient | |
| | Classified in Category- 2. | |
| * Carcinogenicity | Contains 10% of a Category -2 ingredient | |
| | Classified in Category- 2. | |
| * Reproductive Toxicity | No data | Not Classifiable |
| * Specific target organ toxicity (single exposure) | Contains 20% of a Category-2(Lung) ingredient . | |
| | Classified in Category- 2.(Lung) | |

Contains 40% of a Category -3(Respiratory irritation) ingredient.

Classified in Category -3(Respiratory irritation).

* Specific target organ toxicity (repeated exposure) — Contains 60% of a Category -1（Inhalation・lung）ingredient.

Classified in Category- 1. （Inhalation・lung）

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* Aspiration hazard — Contains 30% of a Category -1 ingredient.. However, it is not liquid.
Classified in Out of category.

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XII. Environmental Effect Information:

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|---|---|---|
| * Ecotoxicity | No data | Not Classifiable |
| *Persistence/Degradability | No data | |
| * Bioaccumulation | No data | |
| * Mobility to soil | No data | |
| * Hazard to ozone layer | No data | Not Classifiable |

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XIII. Caution on Disposal:

* Residual Wastage — Follow relative regulations and standards of local government. Entrust industrial waste disposer who is authorized by prefectural governor or local public authority who has a disposal service.
Such entrustment for disposal of wastage shall be done upon well explanation of hazardous nature and toxicity to the disposer.

* Contaminated container and packing — Contaminated container must be cleaned for recycle 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.

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XIV. Caution on Transportation:

* International Regulation:

UN Classification N/A
UN No. N/A
・ASTM D 4359-90 Standard Test Method For Determining Whether a Material is a Liquid or Solid : Solid

・The test method N.1 as described in PartⅢ,sub-section 33.2.1 Of the UN Recommendation on the Transport of Dangerous Goods. A preliminary screening test : Negative

* Domestic Regulation:

| | |
|---|---|
| Marine Pollutant | Oil Discharge Regulation |
| On-land Regulation | Follow Fire Defense Law |
| Marine Regulation | Follow Ship Safety Act |
| Aviation Regulation | Follow Aviation Law |

* Special Safety Measure:

Refrain from transporting under high temperature such as direct sun lighting, etc.
Packing carefully to have no damage nor corrosion nor leakage nor loose packing.
Refrain from piling up heavy cargo

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XV. Applicable Law:

* Hazardous Goods under Fire Act:

Not Applicable (however, designated flammable solid under Fire Act shall be applied)

* Industrial Safety and Health Act:

Article #57, Enforcement Order #18
(Dangerous or Harmful Substances Subject to Be Indicated their Names, etc)
Kerosene 10%
Mineral oil 20% Paraffin wax 18%

Article #57-2, Enforcement Order #18-2
(Dangerous Articles and Harmful Substances Whose Names, etc. Should Be Notified)
Kerosene 10%
Mineral oil 20% Paraffin wax 18% Xylene 0.15%

| | | |
|---|---|---|
| Water Pollution Prevention Act | Designated Substances | Aluminum and its compounds |
| | Oil Discharge Regulation | |
| Air Pollution Control Act | Not Applicable | |

Act on Prevention of Marine Pollution and Maritime Disaster
Oil Discharge Regulation

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XVI. Other Information:

* Referenced Documents:

1). JIS Z 7252 2019Japanese Standard Association(JSA).
2). JIS Z 7253 2019 Japanese Standard Association(JSA).
3).SDS of ingredients .

Note: This document is issued by the information which is available at this moment, and does not cover all information. Therefore, careful handling of this product is required.
Information about contained amount, physical chemical substance, hazardous toxicity, etc shall be treated as a reference but does not provide a guarantee in any aspects.
Notices in this document are stated assuming normal handling. For any special or abnormal handling, follow to the relevant safety measure(s) in accordance to the actual application or purpose.