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
  Sales Department
  Telephone Number: 03-3441-6231
  FAX Number: 03-3441-6236
  Emergency Tel Number: Ohmori Plant/Production Dept.
  Tel: 03-3762-1666
  Fax: 03-3762-1668

* Recommended Application Metal Polishing

II. Hazard Identification:
* GHS Classification:

<table>
<thead>
<tr>
<th>Hazard Item</th>
<th>Classification</th>
<th>Alarm Mark</th>
<th>Symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Causticity/Sensitivity</td>
<td>Demarcation-2</td>
<td>Alarm</td>
<td>![Symbol]</td>
</tr>
<tr>
<td>Serious Eye Damage – Eye Acridity</td>
<td>Demarcation-2B</td>
<td>Alarm</td>
<td>![Symbol]</td>
</tr>
<tr>
<td>Genital Cell Mutagenicity</td>
<td>Demarcation-2</td>
<td>Alarm</td>
<td>![Symbol]</td>
</tr>
<tr>
<td>Oncogenicity</td>
<td>Demarcation-2</td>
<td>Alarm</td>
<td>![Symbol]</td>
</tr>
<tr>
<td>Particular Target Organ•Single Exposure (Chest)</td>
<td>Demarcation-2</td>
<td>Alarm</td>
<td>![Symbol]</td>
</tr>
<tr>
<td>Particular Target Organ•Single Exposure (Air Passage)</td>
<td>Demarcation-3</td>
<td>Alarm</td>
<td>![Symbol]</td>
</tr>
<tr>
<td>Particular Target Organ•Multiple Exposure</td>
<td>Demarcation-1</td>
<td>Danger</td>
<td>![Symbol]</td>
</tr>
</tbody>
</table>

* Hazard Information:  ① Skin sensitivity  ② Eye damage  ③ Possibility to cause genetic disorder  ④ May cause carcinogenesis  ⑤ Possibility of organ disorder  ⑥ Possibility of respiratory irritation  ⑦ Organ disorder due to prolonged or repeated exposure
III. Composition·Information on Ingredient:

* Demarcation of chemical Substance/mixture - Mixture:

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>Industrial Safety and Health Act</th>
<th>Chemical Management Act</th>
<th>PRTR No.</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Cabinet order #</td>
<td>Content rate %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abrasive material(Al2O3)</td>
<td>#189</td>
<td>20</td>
<td>1-23</td>
<td>N/A</td>
</tr>
<tr>
<td>Silica Sand</td>
<td>#312</td>
<td>20</td>
<td>Existing act</td>
<td>N/A</td>
</tr>
<tr>
<td>Kerosene</td>
<td>#380</td>
<td>10</td>
<td>9-1702</td>
<td>N/A</td>
</tr>
<tr>
<td>Mineral oil</td>
<td>#168</td>
<td>20</td>
<td>Existing act</td>
<td>N/A</td>
</tr>
<tr>
<td>Petroleum based wax</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paraffin wax</td>
<td>#170</td>
<td>3</td>
<td>8-414</td>
<td>N/A</td>
</tr>
<tr>
<td>Other wax</td>
<td>N/A</td>
<td></td>
<td>Existing act</td>
<td>N/A</td>
</tr>
<tr>
<td>Fatty Acid</td>
<td>N/A</td>
<td>2-975</td>
<td>N/A</td>
<td>112-80-1</td>
</tr>
</tbody>
</table>

_______________________________________________________________________

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.

_______________________________________________________________________

V. Measure on Fire:

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

* Particular way for fire extinction Remove goods away from fire area if it is not danger. Fire extinction from upwind position.

* Particular method for fire extinction Use adequate protective equipment (glove, goggle, mask, etc)
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.

VII. Caution on Handling/Storage:

* Handling:

  ** Technical Measure
  Work area shall be well air ventilated.

  ** Safety Handling Note
  Obtain an operation manual and understand every safety matters before starting operation.
  Refrain from using high temperature matter and fire around work 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 an adequate protective equipment.

* Storage:

  ** Storing Condition
  Isolate from ignition source such as heat, spark, open flame.
  Refrain from storing under direct sunlight, in high temp. (≥40°C), or in the place easily exposed by water splash or high humidity.

VIII. Anti-Exposure and Protection Measure:

* 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

IX. Physical and Chemical Characteristics:

* Physical status
Khaki Paste

* Odor
Faint petroleum odor

* Melting Point
45~50°C

* Flashing Point
45°C (flashing point of contained kerosene)

* Specific Gravity (density)
1.2 (20°C)

* Solubility in water
Insoluble

X. Stability and Reactivity:

* Stability
Stable under normal condition

* Dangerous hazardous reaction
None

* Situation to Avoid
Heating

* Dangerous hazardous product
By heating, petroleum component (kerosene) turns into inflammable vapour

XI. Hazardous Information:

* Acute Toxicity (Oral)
Out of Demarcation

* Acute Toxicity (Percutaneous)
Out of Demarcation

* Acute Toxicity (Dust attraction: Dust, Mist)
Out of Demarcation

* Skin Causticity
Demarcation-2

* Serious Eye Damage, Eye Acridity
Demarcation-2B

* Respiratory Sensitivity
Not Classifiable

* Skin Sensitivity
Not Classifiable

* Genital Cell Mutagenicity
Demarcation-2

* Oncogenicity
Demarcation-2

* Reproductive Toxicity
Out of Demarcation

* Particular Target Organ
- Single exposure (Chest)
Demarcation-2
**Particular Target Organ Demarcation**
- Single exposure (Respiratory Passage)

**Particular Target Organ**
- Multiple exposure

**Aspiration Respiratory Toxicity**
Out of Demarcation

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**XII. Environmental Effect Information:**

- **Water Environment Acute Toxicity**
  Not Classifiable

- **Water Environment Chronic Toxicity**
  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
  Marine Pollutant: Oil Discharge Regulation

- **Domestic 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 #57-2, Enforcement Order #18-2
XVI. Other Information:

* Referenced Documents:

1). JIS Z 7252 2009 [Classification method on chemical Substances per GHS]…Japanese Standard Association(JSA)
2). [Globally Harmonized System of Classification and labeling Of Chemicals (GHS)] Rev. 2, UN publication

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.