



## Material Safety Data Sheet

Issue: Nov. 15, 2010  
Revision: Jul. 29, 2011

### 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:

Hazard Item	Classification	Alarm Mark	Symbol
Skin Causticity/Sensitivity	Demarcation-2	Alarm	
Serious Eye Damage – Eye Acridity	Demarcation-2B	Alarm	--
Genital Cell Mutagenicity	Demarcation-2	Alarm	
Oncogenicity	Demarcation-2	Alarm	
Particular Target Organ • Single Exposure (Chest)	Demarcation-2	Alarm	
Particular Target Organ • Single Exposure (Air Passage)	Demarcation-3	Alarm	
Particular Target Organ • Multiple Exposure	Demarcation-1	Danger	

\* 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:

Substance Name	Industrial Safety and Health Act		Chemical Management Act	PRTR No.	CAS No.	
	Cabinet order #	Content rate %				
Abrasive material(Al <sub>2</sub> O <sub>3</sub> )	#189	20	1-23	N/A	1344-28-1	
Silica Sand	#312	20	Existing act	N/A	7631-86-9	
Kerosene	#380	10	9-1702	N/A	8008-20-6	
Mineral oil	#168	20	Existing act	N/A	Nondisclosure	
Petroleum based wax	Paraffin wax	#170	3	8-414	N/A	8002-74-2
	Other wax	N/A		Existing act	N/A	Nondisclosure
Fatty Acid	N/A		2-975	N/A	112-80-1	

### 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 extiguishant, 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

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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.( $\geq 40^{\circ}\text{C}$ ), or in the place easily exposed by water splash or high humidity.

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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

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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

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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

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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 - Single exposure (Respiratory Passage)	Demarcation-3
* Particular Target Organ - Multiple exposure	Demarcation-1
* Aspiration Respiratory Toxicity	Out of Demarcation

XII. Environmental Effect Information:

* Water Environment Acute Toxicity	Not Classifiable
* Water Environment Chronic Toxicity	Not Classifiable

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.

XIV. Caution on Transportation:

* International Regulation:	UN Classification Marine Pollutant	N/A Oil Discharge Regulation
* Domestic Regulation:	On-land Regulation Marine Regulation Aviation Regulation	Follow Fire Defense Law Follow Ship Safety Act 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	

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
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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.