



Safety Data Sheet

Issue: Nov. 15, 2010
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I. Product Information:

* Product Name: Pikal Care
* Product Code: 14000
* 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 Class	Hazard Category	Signal Word	Pictogram
Skin Corrosion/Irritation	Category -2	Warning	
Serious Eye Damage/Eye Irritation	Category-2A	Warning	
Specific target organ toxicity(single exposure) (lung)	Category-2	Warning	
Specific target organ toxicity(single exposure) (respiratory tract)	Category-3	Warning	
Specific target organ toxicity(repeated exposure)	Category -1	Danger	
The aquatic environment (acute hazard)	Category -3	--	--
The aquatic environment (long-term hazard)	Category -3	--	--

Label element

*Pictogram:



*Signal word: Danger

* Hazard statement:

- ① H315 Causes skin irritation
- ② H319 Causes serious eye irritation
- ③ H335 May cause respiratory irritation
- ④ H371 May cause damage to organs
- ⑤ H372 Causes damage to organs



⑥H402 Harmful to aquatic life

⑦H412 Harmful to aquatic life with long lasting effects

*Precautionary statement:

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/vapours/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.

P273 Avoid release to the environment.

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.

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

P314 Get medical advice/attention if you feel unwell.

P308 + P311 IF exposed or concerned: Call doctor/...

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 Ingredient:

* Demarcation of chemical Substance/mixture - Mixture:

Substance Name	Industrial Safety and Health Act notifiable substances		Chemical Management Act	PRTR No.	CAS No.
	Cabinet order #	Content rate %			
Abrasive material(Al ₂ O ₃)	#189	25	1-23	N/A	1344-28-1
Mineral oil	#168	15	Existing act	N/A	Nondisclosure
Mineral turpentine	#551	15	9-1702	N/A	64742-82-1
Xylene (Included in Mineral turpentine)	#136	0.2	3-3 3-60	N/A	1330-20-7
Fatty acids ammonium salt	Fatty Acids	N/A	2-608 2-609 2-975	N/A	67701-06-8
	Ammonium Hydroxide		1-314		1336-21-6
(25%) Ammonium hydrate	#39	2	1-314	N/A	1336-21-6
Surfactant	N/A		Existing act	N/A	Nondisclosure
Water	N/A		---	N/A	7732-18-5

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: Wash skin with copious amount of water. Contaminated clothes shall be taken off immediately and be cleaned before re-use. If feeling abnormal, 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

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.($\geq 40^{\circ}\text{C}$), in low temp($\leq 0^{\circ}\text{C}$), under water splash and in high humid

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
For business use, adequate facility in accordance to " Industrial Safety and Health Act "(Ordinance on the Prevention of Organic



Solvent Poisoning)

- * 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 Paste form with creamy white color
 - * Odor Faint ammonia odor
 - * pH 9 ~ 11(20°C, 10% Solution)
 - * Flashing Point 35~40°C(flashing point of contained mineral turpentine)
 - * Specific Gravity(density) 1.1(20°C)
 - * Solubility Disperse in water
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X. Stability and Reactivity:

- * Stability Stable under normal condition
 - * Dangerous hazardous reaction None
 - * Situation to Avoid Heating, freezing
 - * Dangerous hazardous product By heating, petroleum component(mineral oil and turpentine) and small amount of ammonia gas are generated
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XI. Hazardous Information:

- * Acute Toxicity (Oral) Out of Category
- * Acute Toxicity (Percutaneous) Out of Category
- * Acute Toxicity (Dust attraction : Dust, Mist) Out of Category
- * Skin Causticity Category -2
- * Serious Eye Damage, Eye Acridity Category -2A
- * Respiratory Sensitivity Not Classifiable
- * Skin Sensitivity Not Classifiable
- * Genital Cell Mutagenicity Out of Category



* Oncogenicity	Out of Category
*Reproductive Toxicity	Not Classifiable
* Particular Target Organ - Single exposure (Chest)	Category -2
* Particular Target Organ - Single exposure (Respiratory Passage)	Category -3
* Particular Target Organ - Multiple exposure	Category -1
* Aspiration Respiratory Toxicity	Out of Category

XII. Environmental Effect Information:

* Aqueous Environment Acute Hazardousness	Category -3
* Aqueous Environment Chronic Hazardousness	Category -3

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, Enforcement Order #18

(Dangerous or Harmful Substances Subject to Be Indicated their Names, etc)

Aluminum oxide 20% Mineral oil 15%

Mineral turpentine 15% Ammonia 0.5%

Article #57-2, Enforcement Order #18-2

(Dangerous Articles and Harmful Substances Whose Names, etc. Should Be Notified)

Aluminum oxide 20% Mineral oil 15%

Mineral turpentine 15% Ammonia 0.5% Xylene 0.2%

Ordinance on the Prevention of Organic Solvent Poisoning
3rd Class Organic Solvent, etc
(mineral turpentine 15% contained)

XVI. Other Information:

* Referenced Documents:

- 1). JIS Z 7252 2012 Japanese Standard Association(JSA)
- 2). JIS Z 7253 2014 Japanese Standard Association(JSA)
- 3). [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.