

# Safety Data Sheet

Prepared: May 20, 2003

Revised: May 31, 2023

## 1. Chemical Product and Company Identification

Product : Nikko White NW Polishing compound  
Company Identification  
Name of Distributor :Alfa Mirage Co Ltd  
Address :3-2-19 Miyakojimahondori, Miyakojima-ku, Osaka 5340021 Japan  
Telephone :+81-6-6924-2631

## 2. Hazards Identification

GHS classification



Hazard : The product contains 29.3% substance defined as combustible solids under Fire Service Act.

Toxicity : For aluminum oxide, the U.S. OSHA and ACGIH establish Threshold Limit Value (TLV) similar to those for other chemical compounds having material stimulateness.

Monocarbon acid is a material considered to be non-toxic, because it belongs to natural fats and oils.

Environmental impact: Since aluminum oxide is fine grain, mixing of great amount of it into drainage may cause water pollution. Monocarbon acid triacylglyceride is a material considered to be of good decomposition.

## 3. Identification of the substance Single component/Mixture: Mixture

Name of ingredient	Contents	MITI No.	PRTR Act	CAS No.
Aluminum oxide	70.7 %	1-23	N/A	1344-28-1
Monocarbon acid (fatty acid)	Animal fat and oil 25.8% Vegetable fat and oil 2.8% Mineral fat and oil 0.7%	2-608 8-518	N/A	57-10-3 57-11-4
Triacylglyceride (hydrogenated oil)			N/A	

## 4. First-aid measures

Eye contact: Do not rub eyes. Remove the foreign matters with soft cloth or paper and then wash eyes with plenty of water. If contact lenses are worn and can be easily removed, take them off and wash eyes. If stimulation on the eye continues, call for medical attention.

Skin contact: Wash with soap sufficiently and then flush with enough water.

Inhalation: If you feel uncomfortable by inhalation of vapor or mist, move to a place with fresh air and call for medical attention, as required.

Ingestion: Rinse the mouth with water. If the amount of ingestion is much, try to induce vomiting and call for medical attention.

## 5. Fire-fighting measures

Extinguishing media: Use powders, carbon dioxide, foams, dry sands, or the like for incipient fire. In case of massive fire, it is effective to shut off the air by means of foam fire extinguisher, or the like.

Prohibited extinguishing media: If water is used, it may spread the fire and cause a risk.

## 6. Accidental release measures

In case of small amount: Immediately remove a source of ignition, if any, to prevent cause an ignition. Wipe it with a cloth or sweep and collect it.

In case of much amount: If dissolved, prevent spread of release with earth and sand, or the like. When cooled and solidified, sweep and collect it.

## 7. Handling and Storage

### Handling

Technical measures: Provide good air circulation in the working area and sufficient ventilation for the workplace. Provide local ventilation equipment, as required. Avoid leakage, spillage or dispersion, and occurrence of unnecessary vapor. It is recommended to provide equipment for washing hands and face in a rest area.

Eating, drinking and smoking are allowed in specified areas only.

In a handling facility, do not use anything to produce ignition, spark or arc, or hot ignition source. Avoid fire. Avoid overheating. Use fire-preventing type of tool.

Precautions for safe handling: It is recommended to use in a place provided with local exhaust system or whole ventilation system.

It is recommended to wear protective clothes and protective equipment.

Put used empty containers in specified places together.

### Storage

Proper storage conditions: Seal the containers, avoid direct sunlight, and store the containers in ventilated, cool and dark place. Avoid hot things, sparks, and flammables to store the containers. Store the containers in specified places.

## 8. Exposure controls and personal protection

Measures for equipment: Carry out working in a place provided with whole ventilation equipment.

If vapor is produced due to heating, etc., it is recommended to use local exhaust system.

### Protective equipment

Protective equipment: Dust mask

Protective equipment for hands: Protective gloves

Protective equipment for eyes: Protective eyeglasses (normal type or goggle type with side plates)

Protective equipment for skin and body: Protective clothes (shirt with long sleeves and long pants, material not specified)

Protective boots (oil-resistant safety shoes)

Protective apron

Proper hygienic measures: Eating, drinking and smoking are prohibited while working.

After handling, washing hands and eyes, and gargling are required.

## 9. Physical and Chemical Substances

### Physical conditions

Form: Solid

Color: White

Smell: Smell with a characteristic of fatty acid

pH: Neutral

Specific temperature at which physical conditions change

Melting point: 55°C

Flashing point: 180 - 230°C

Explosive characteristics

Explosion limit: No data

Specific gravity: 2 (25°C)

Solubility: Slightly soluble in water, soluble in organic solvent

## 10. Stability and Reactivity

Hazard information

Flashing point: 203 °C

Flammability: Flammable, because of containing 28.8% natural oil and fat

Combustible solid (9450 cal/g) under Fire Service Act

Ignitability: None

(Natural ignitability, reactivity with water)

Oxidizability: None

Self-reactivity/Explosiveness: None

Dust explosiveness: None

Stability/reactivity: It produces salt by reaction with alkalis such as caustic soda, caustic potash, but it is not hazardous.

## 11. Toxicity information

Acute toxicity (oral): Rat LD<sub>50</sub>: 4640 mg/kg (data of stearic acid)

Acute toxicity (percutaneous): No data

Acute toxicity: No data

(aspiration, dust, mist)

Skin corrosion/irritation: No data

Serious eye damage/eye irritation: No data

Respiratory sensitization: No data

Skin sensitization: No data

Germ cell mutagenicity: No data

Carcinogenicity: No data

Genotoxicity: No data

Specific target organ/single exposure (internal organs): No data

Specific target organ/single exposure (airway): No data

Specific target organ/repeated exposure: No data

Aspiration hazard: No data

## 12. Ecological Information

Acute hazard to aquatic environment: No information

Chronic hazard to aquatic environment: No information

13. Disposal Considerations: Disposal must be entrusted to professional industrial waste disposers licensed by a local prefectural governor.

## 14. Transport Information

International Regulations: Air transportation must comply with IATA's regulations and marine transportation must comply with IMO's regulations.

UN Regulations: Not applicable

Domestic regulations

Rail and road transportation information: Such transportation must comply with transportation methods specified in Road Traffic Act, Fire Service Act, Occupational Safety and Health Act, etc.

Marine transportation information: Such transportation must comply with transportation methods specified in Ship Safety Act.

Air transportation information: Such transportation must comply with transportation methods specified in Aviation Act.

Marine and air transport: Non-hazardous

Specific precautionary transport measures and conditions: Make sure that the container has no damage and leakage.

Packaging, marking and transport must be carried out according to applicable legislations.

Before transport, make sure that the container has no damage, corrosion and leakage, etc.

Transport containers shall be handled with care, loaded so as not to overturn, drop or get damage, and reliably prevented from load shifting.

No fire. Keep dry condition.

Do not transport under hot conditions such as exposure to direct sunlight.

#### 15. Applicable legislations

Hazardous substances under Fire Service Act: Specified combustible (combustible solid)

Pollutant Release and Transfer Register Act: Not applicable

Poisonous and Deleterious Substances Control Act: Not applicable

Occupational Safety and Health Act: Not applicable

Act Relating to the Prevention of Marine Pollution and Maritime Disaster: Hazardous liquid substance (Category Y) under Appendix No. 1 of Ordinance for Enforcement Fatty acid [limited to C = 8 - 10, or 12 and more, and its compound]

Ship Safety Act: Not applicable

Aviation Act: Not applicable

#### 16. Other information

Since all chemical substances may have unknown hazards and evaluation of their hazards and toxicity is not always sufficient, handle such substances with great care.

Please note that the above precautions are intended for normal handling. If you intend special handling, provide safety measures for new application and usage on the user's sole responsibility. The contents, physical and chemical characteristics, hazards and toxicity mentioned in this sheet are intended for reference only, and they do not constitute warranty of any kind.