

## Safety Data Sheet

### 1. Identification

Product name METAX NEO NME060T4  
Name of manufacture: TOYO ALUMINIUM K.K.  
Name of section QUALITY ASSURANCE DEPT  
Address MIDOSUJI DAIWA BLDG, 6-8, KYUTAROMACHI 3-CHOME, CHUO-KU, OSAKA, 541-0056, JAPAN  
Telephone number 81-745-69-3489  
Fax number 81-745-69-6859  
Emergency telephone number 81-745-69-3091 (SHINJO works)  
Recommended uses Aluminium pigment master batch for plastic molding

Date of revision: June 3, 2015

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### 2. Hazard identification

Not applicable

### 3. Composition/information on ingredients

Classification of the substance or mixture: Mixture

| Chemical Name   | Composition (%) | CAS No.   |
|-----------------|-----------------|-----------|
| Aluminium flake | 69 ~ 71         | 7429-90-5 |
| Polyethylene    | 29 ~ 31         | 9002-88-4 |

### 4. First-aid measures

Inhalation: Not likely to inhale pellets due to their physical form. If inhale gases and/or fumes from the molten resin at high temperature, leave the place immediately and breath fresh air.  
If coughing and/or difficult breath occurs, seek immediate medical attention.

Skin contact: Wash well with water. If condenses of gas generated from the substance molten at high temperature, wash well with soapy water.  
In case of molten plastic contact with skin, cool immediately with water and seek medical attention.

Eye contact: Remove contact lens stick to eye balls. Immediately flush the affected eyes well with clean water. Do not rub the eyes to prevent corneas injuries.  
Call a physician if irritation persists.

Ingestion: Remove the foreign objects from the mouth, and rinse mouth thoroughly with water. Do not induce vomiting.  
Call a physician immediately.

### 5. Fire-fighting measures

Extinction method: Use water, powder, carbon dioxide gas, fire extinguisher during early stage.  
Suitable extinguishing media: Water, Powder, Carbon dioxide, Fiber glass cloth, and Dry sand.

### 6. Accidental release measures

Personal precautions: If spilled on the floor, it makes floor slippery and mind your step.  
Removal method: Remove all ignition sources.

### 7. Handling and storage

- Use non-sparkling equipment. Use non-flame producing tools.
- Use the product only with adequate ventilation.
- Keep away from source of ignition, such as heat, sparks, and naked flames.
- Keep in sealed container indoors with humidity and temperature control (max 40 °C), adequate ventilation and away from direct sunlight.
- Collect the leakage.
- Do not handle products without first reading all safety information.

## 8 . Exposure controls/personal protection

Hazards of components/Concentration or conditions of exposure

| Chemical Name | Concentration | ACGIH<br>(TLV-TWA)  | IARC | Other hazards       |
|---------------|---------------|---------------------|------|---------------------|
| Aluminium     | -             | 10mg/m <sup>3</sup> | -    | Oral LD50(Rat)5g/kg |
| Polyethylene  | -             | -                   | 3    | -                   |

Toxicological information of product : We do not examine of safety as the product.

Facilities Measures: Require the local exhaust ventilation in the working place.

Respiratory protection : Wear respirator during machinery processing or sanding of resin which produces dust.  
When working under high dense gases and/or fumes circumstances, wear organic gas respirator.

Eye protection : Safety goggles or face splash shield.

Hand protection : Wear heat-resistant gloves when handling molten resin.

Skin protection : Wear long sleeve clothing when handling molten resin.

## 9 . Physical and chemical properties

|   |                      |
|---|----------------------|
| Appearance;                                   | Silver– pellet form  |
| Odor;   | Odorless             |
| Odor threshold;                               | N.A.                 |
| pH;   | No data              |
| Melting point/freezing point;                 | N.A.                 |
| Initial boiling point and boiling range;      | Refer to below table |
| Flash point;                                  | Refer to below table |
| Evaporation rate;                             | N.A.                 |
| Flammability (solid);                         | N.A.                 |
| Upper/lower flammability or explosive limits; | Refer to below table |
| Vapor pressure;                               | Refer to below table |
| Vapor density;                                | N.A.                 |
| Relative density;                             | 1.7 (calculated)     |
| Solubility;                                   | Insoluble            |
| Partition coefficient: n-octanol/water;       | N.A.                 |
| Auto-ignition temperature;                    | Refer to below table |
| Decomposition temperature;                    | N.A.                 |
| Viscosity;                                    | N.A.                 |

Hazard information

| Chemical Name | Flash point ( ) | Ignition point ( ) | Explosive limits |       |
|---------------|-----------------|--------------------|------------------|-------|
|               |                 |                    | Upper            | Lower |
| Polyethylene  | -               | 400                | -                | -     |

## 10 . Stability and reactivity

Stability: Stability under normal use.

Hazardous situation : Emit gas from high temperature fusion wax by heating.

## 11. TOXICOLOGICAL INFORMATION

Not applicable

## 12 . Ecological information

No Data

## 13 . Disposal considerations

Cleanse the container to eliminate the content completely before disposal.

In the case of disposal of product waste, ask a specialized waste disposal firm to dispose. Otherwise, ask manufacturer for more information.

Disposers must obey Federal government or local waste disposal laws.



## 14 .Transport information

|                           |  |
|---------------------------|--|
| Land Transportation:      | Comply with regulations.<br>When aluminum paste significantly leak and there is a risk of fire during transportation take precautionary measures to prevent the fire and inform nearest fire service station.. |
| Marine transportation:    | Comply with regulations.   |
| Air transportation:       | Comply with regulations.   |
| International regulation: | UN class: Not Applicable   |

## 15 .Regulatory information

Ensure this material is on compliance with federal requirements and ensure it is conformity to local regulations.

## 16 .Other information

|                     |   |
|---------------------|---|
| References          | Naomasa Kobayashi (1993), Scientist Press Co., Ltd., Biological assay of water pollution on aquatic invertebrates, augmented edition.   |
| Reference documents | Guidance for safe handling of aluminum paste 2004, 2 <sup>nd</sup> revision, Japan Aluminum Association, Aluminum paste committee<br>Chemical Risk Information Platform, National Institute of Technology and Evaluation (NITE) |

Material Safety Data Sheet is to provide reference information to assure the sage handling of the product.

The descriptions herein are based on the currently available sources, information and data but no guarantee is given for its contents, physico-chemical properties, risk or hazard. The precautions herein are for normal handling. If you use this product under the special conditions, take safety measures appropriate for the special use and usage.