

# ***MATERIAL SAFETY DATA SHEET***

## **MICA POWDER**

### **METAL LIGHT SERIES ; NCA-831, NCA-931, NCA-1031, NCA-1131, NCA-1331, NCA-1621, NCA-R**

Update

Oct. 28, 2004

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/ UNDERTAKING

Product information

COMMERCIAL PRODUCT NAME : MICA POWDER

METAL LIGHT SERIES ; NCA-831, NCA-931, NCA-1031, NCA-1131, NCA-1331, NCA-R, NCA-1621

COMPANY : YAMAGUCHI MICA CO., LTD.

2-10-2, MISONO, KOZAKAI-CHO, HOI-GUN, AICHI, 441-0106 JAPAN

CHARGE SECTION : SALES AND ENGINEERING DEPARTMENT

PREPARATION PERSON : KYOZO ITO

TELEPHONE NUMBER : 81-533-72-2188

EMERGENCY TELEPHONE NUMBER : 81-533-72-2188

FAX NUMBER : 81-533-72-5157

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

DISTINCTION OF SINGLE PRODUCT OR MIXTURE : SINGLE PRODUCT

CHEMICAL NAME : BIOTITE

COMPONENT AND CONTENT : MORE THAN 98%.

CHEMICAL FORMULA OR STRUCTURE-TYPE :  $K(Mg, Fe)_3AlSi_3O_{10}$ 

CAS NO. : 1302-27-8

EINECS No. : 215-479-3 (CAS No.1327-44-2 , Silicic acid, aluminum potassium salt)  
310-127-6 (CAS No.999999-99-4, Naturally occurring substances)

TSCA : THERE IS REGISTRATION (as CAS No. 1327-44-2 , Silicic acid, aluminum potassium salt)

#### 3. HAZARDS IDENTIFICATION

NAME OF THE CLASSIFICATION : NO CORRESPONDING.

DANGER : THERE IS NO PROBLEM SPECIALLY.

HARMFUL NATURE : THERE IS NO PROBLEM SPECIALLY.

ENVIRONMENTAL INFLUENCE : THERE IS NO PROBLEM SPECIALLY.

#### 4. FIRST AID MEASURES

WHEN IT WAS WITHIN EYES : EYES ARE WASHED IN THE RUNNING WATER.  
GO TO THE HOSPITAL IF YOUR BODY HAS A WRONG POINT.WHEN IT STUCK TO THE SKIN : THERE IS NO PROBLEM SPECIALLY.  
IT IS WASHED WITH THE WATER.WHEN IT WAS INHALED : THERE IS NO PROBLEM IN A SMALL QUANTITY SPECIALLY.  
GO TO THE HOSPITAL IF YOUR BODY HAS A WRONG POINT.WHEN IT WAS SWALLOWED : THERE IS NO PROBLEM IN A SMALL QUANTITY SPECIALLY.  
GO TO THE HOSPITAL IF YOUR BODY HAS A WRONG POINT.

#### 5. FIRE-FIGHTING MEASURES

HOW TO EXTINGUISH THE FIRE : NON-COMBUSTIBLE

FIRE EXTINGUISHER : IT IS UNNECESSARY.

## 6. ACCIDENTAL RELEASE MEASURES

COLLECT POWDER WITH VACUUM CLEANER.

## 7. HANDLING AND STORAGE

HANDLING : WEARING DUST MASK AND GOGGLES ARE REQUIRED.

STORAGE : STORE AT ROOM TEMPERATURE WITH COVER.

WETTING IS FORBIDDEN

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERMISSIBLE RANGE : ACGIH-TWA: 3mg/m<sup>3</sup> OSHA-PEL: 3mg/m<sup>3</sup>

PLANT AND EQUIPMENT COUNTERMEASURES : DUST COLLECTOR.

PERSONAL PROTECTIVE EQUIPMENT FOR RESPIRE WITHOUT DUST

: WEARING DUST MASK IS REQUIRED.

PERSONAL PROTECTIVE GLASSES

: WEARING GOGGLES IS REQUIRED.

PERSONAL PROTECTIVE GLOVE

: WEARING PROTECTIVE GLOVE IS REQUIRED

PERSONAL PROTECTIVE CLOTHS

: WEARING PROTECTIVE CLOTHS IS REQUIRED

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : POWDER OF DARK GREEN

BOILING POINT : —

VAPOR PRESSURE : —

VOLATILITY : NOTHING.

MELTING POINT : 1200°C.

SPECIFIC GRAVITY : 2.6~3.0

SOLUBILITY (WATER) : NOTHING.

OTHERS : —

FLASH POINT : —

IGNITION POINT : —

EXPLOSION LIMIT : NOT APPLICABLE .

COMBUSTIBILITY : NOTHING (NON-COMBUSTIBLE).

DANGER OF IGNITION : NOTHING.

SPONTANEOUS IGNITION, REACTION WITH THE WATER : NOTHING.

OXIDIZING REACTION : NOTHING.

DANGER OF SELF REACTIVITY : NOTHING.

DANGER OF EXPLOSION : NOTHING.

DANGER OF DUST EXPLOSION : THERE IS NO PROBLEM SPECIALLY.

## 10. STABILITY AND REACTIVITY

STABILITY : GOOD (UNDER THE ROOM TEMPERATURE)

REACTIVITY : NOTHING

## 11. TOXICOLOGICAL INFORMATION

SKIN CORROSIVENESS : NOTHING

IRRITABILITY (SKIN, EYE) : NOTHING

ACUTE TOXICITY : NO DATA

SUBACUTE TOXICITY : NO DATA

CHRONIC TOXICITY : NO DATA

CANCERATION : NO DATA

MUTAGENICITY : NO DATA

REPRODUCTIVE TOXICITY : NO DATA

TERATOGENICITY : NO DATA

OTHERS (IT IS NOT PRODUCT WHICH REACTS WITH WATER AND CREATES THE HARMFUL GAS)  
: NOTHING

12. ECOLOGICAL INFORMATION

RESOLVABILITY : NOTHING

ACCUMULATION : NO DATA

FISH TOXICITY : NO DATA

13. DISPOSAL CONSIDERATIONS

GENERAL INDUSTRIAL WASTES

14. TRANSPORTATION INFORMATION

THERE IS NO PROBLEM

15. REGULATORY INFORMATION

DUST RULE OF LAW ON INDUSTRIAL SAFETY AND HYGIENE, LAW OF PNEUMOCONIOSIS

16. OTHER INFORMATION (THE REFERENCE OF THE MENTIONED CONTENTS, QUOTATION LITERATURE, ETC)

This document is represented by scientific information found in current writing. It may be modified to compare with new information. Attention should be required, because of the dangerous information in a document shows working on the usual operations. There is no guarantee for using and it is not satisfactory for avoid the occupational hazard

YAMAGUCHI MICA CO., LTD. Norihisa Yamaguchi  
TEL 81-533-72-2188  
FAX 81-533-72-5157