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ART CLAY WORLD

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33542-4031
-4035**Material Safety Data Sheet****MANUFACTURER INFORMATION**

CORPORATION : AIDA CHEMICAL INDUSTRIES CO. LTD.
ADRESS : 6-28-3, Minami-cho Fuchu-shi TOKYO, JAPAN ZIP 183-0026
DEPARTMENT : Product Development Department
PERSON IN CHARGE : Mr. Atsushi Fujimaru
PHONE No : +81-42-366-8661
FAX No : +81-42-366-5861
DATA WRITTEN : September 8, 1998(Original)

PRODUCT NAME

ART CLAY GOLD / K22

SPECIFICATION OF SUBSTANCE

CLASSIFICATION OF PRODUCT: Mixture

CHEMICAL NAME: Gold, Silver and Binder

COMPONENTS: Mixture of Gold and Silver 80-95%
PERCENTAGE: Binder 5-20%

OFFICIAL REFERENCE NO.: N/D

CAS NO.: N/D

U.N. CLASSIFICATION AND NO.: N/D

CLASSIFICATION OF DANGEROUS TOXICITY

CLASSIFICATION: N/A

DANGEROUS POSIBILITY: N/A

TOXICITY: May cause disorders by powder dust depend on handling.

ENVIROMENTAL INFLUENCES: Silver is the material comes under the Natural Resource Recovery and Protection law (toxic waste regulation of United States of America) which set the elution standards (solution of PH 2.88) and causes the environmental burden depends on it's chemical compound and simple substance condition.

FIRST-AID TREATMENT

EYE CONTACT: Immediately flush eye(s) with plenty of water until no foreign body is felt. Get immediate medical attention.

SKIN CONTACT: Wash well with soap and water.

INHALATION: Blow nose and gargle. If signs / symptoms occur, remove person to fresh air. If signs / symptoms continue, call a physician.

IF SWALLOWED: Rinse out and gargle mouth well with clear water. Consult a doctor

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immediately.

FIRE-FIGHTING MEASURES

EXTINGUISHING: Apply water, powder (dry chemical), or carbon dioxide on a small-scale fire. Use the water spray extinguisher on a large-scale fire. Put on the protection like an organic gas prevention mask or the air respiration not to inhale gas and smoke.

EXTINGUISHER: Water, powder (dry chemical), and carbon dioxide.

MEASURES ON LEAKAGE: Remove by vacuuming and wash.

NOTES FOR HANDLING AND CUSTODY

HANDLING: Put on dust protection mask and gloves if necessary.

CUSTODY: Keep in cool and dark place avoiding direct sunlight.

MEASURES FOR PROTECTING EXPOSURE

CONCENTRATION IN CUSTODY: N/D

MAXIMUM CONCENTRATION: N/D

MEASURE TO INSTALL: Install the ventilation system.

PROTECTIONS: Put on protection mask, glasses, and gloves.

PHYSICAL / CHEMICAL CHARACTERISTIC

APPEARANCE: Yellowish look

ODOR: None

BOILING POINT: Mixture of Gold and Silver / 2800°C / 5072° F
Binder / N/A

MELTING POINT: Mixture of Gold and Silver / 1058°C / 1936.4° F
Binder / N/A

SOLUBILITY: Mixture of Gold and Silver / insoluble in water, / soluble in nitric acid and/or aqua regia
Binder / soluble easily

HAZARDOUS INFORMATION

FLASH POINT: Mixture of Gold and Silver / not catch fire
Binder / N/A

IGNITION POINT: Mixture of Gold and Silver / not ignite
Binder / approximately 300-400°C / 572-752° F

COMBUSTIBLE: Mixture of Gold and Silver / incombustible
Binder / combustible

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OXIDATATION: Mixture of Gold and Silver / none
Binder / none

TOXICITY INFORMATION

SKIN CORROSION: N/D
STIMULATION: N/D
ACUTE TOXICITY: N/D
INERTIA TOXICITY: May change color of the eyes, nose, throat, and skin by silver contacting.
CARCINOGENIC RISK: N/D
VARIATION RISK: N/D
REPRODUCTIVE: N/D

CONTAMINATION

DECOMPOSITION: N/D
ACCUMULATION: N/D
MARINE TOXICITY: N/D
OTHERS: N/D

DISPOSAL INSTRUCTION

Following the handling of general industrial waste according to an instruction of local authority.

TRANSPORT INSTRUCTION

Seal up not for the sunlight (ultraviolet rays) Keep in custody at 5°C/41° F - a room temperature. Make sure that load up not to be fell, tumbled, and damaged. Carry with the cart as gathered would be heavy.

APPLIATED LAW

Mixture of Gold and Silver: Not applied

Binder: As a synthetic resin sort of specified combustibles apply to the Dangerous Substance Regulation Law, Article 1-12 of Japan.

OTHER INFORMATION

REFERENCE: CHEMICAL ENCYCLOPAEDIA (KYORITSU PUBLISHING), THE GUIDE FOR SAFTY DATE SHEET (JAPANESE CHEMICAL INDUSTRY ASSOCIATION)

(HANDLING OF THIS DATA SHEET)

As the contents above are based on the data only, collected so far. It will be updated and reissued as needed. This is data and evaluation sheet to distribute as information only, not guaranteed.

*ABBREVIATIONS: N/D - Not Determined, N/A - Not Applicable