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ART CLAY WORLD

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Material Safety Data Sheet

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-2010
-2020
-2590

MANUFACTURER INFORMATION

CORPORATION : AIDA CHEMICAL INDUSTRIES CO. LTD.
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 DATA WRITTEN : November 5, 2001(Original)
 October 29, 2002(Updated)

PRODUCT NAME

ART CLAY SILVER CLAY TYPE, ART CLAY SILVER PASTE TYPE, ART CLAY SILVER SYRINGE TYPE, ART CLAY SILVER SHEET TYPE, ART CLAY SILVER SLOW DRY TYPE, ART CLAY SILVER OVERLAY SILVER PASTE and ART CLAY SILVER 650 CLAY TYPE.

SPECIFICATION OF SUBSTANCE

CLASSIFICATION OF PRODUCT: Mixture
 CHEMICAL NAME: Silver/Binder
 COMPONENTS: 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 POSSIBILITY: N/A

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

ENVIRONMENTAL INFLUENCES: Silver is the material comes under the Natural Resource Recovery and Protection law (toxic waste regulation) 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

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signs / symptoms continue, call a physician.

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

ODOR: None

BOILING POINT: Silver / 2155°C / 3911° F
Binder / N/A

MELTING POINT: Silver / 961°C / 1761.8° F (in vacuumed), / 950°C / 1742° F (in equilibrium to oxygen)
Binder / N/A

SOLUBILITY: Silver / insoluble in water, / soluble in nitric acid
Binder / soluble easily

HAZARDOUS INFORMATION

FLASH POINT: Silver / not catch fire
Binder / N/A

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

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COMBUSTIBLE: Silver / incombustible
Binder / combustible

OXIDATION: 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.

APPLIED LAW

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, collected so far. It will be updated and reissued as needed. This is a data and evaluation sheet to distribute as information, not guaranteed.

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