



HORI METAL LEAF & POWDER CO., LTD.

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MATERIAL SAFETY DATA SHEET

DATE PREPARED : 28.JAN.2021

DATE OF REVISION :

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifiers

Product Name : Imitation Golden Coloured Paint /Water-Based/ Aqua Aurum

Relevant identified uses of the substance or mixture and uses advised against

Identified Uses : Water Paint

Serial Number : H0001

Details of the supplier of the safety data sheet

Company : HORI METAL LEAF&POWDER CO.,LTD.

GOKOMACHI-HIGASHIIRU,OIKEDORI,

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2 HAZARD IDENTIFICATION

CLASSIFICATION (GHS) OF THE SUBSTANCE OR MIXTURE

Physical/Chemical Hazard : Out of Classification

Harm for Health	: Acute Toxicity (Oral)	No Category
	: Acute Toxicity (Skin)	No Category
	: Acute Toxicity (Inhalation: Gas)	No Category
	: Acute Toxicity (Inhalation:Vapor)	No Category
	: Acute Toxicity (Inhalation:Dust, Mist)	No Category
	: Skin Irritation/Corrosivity	Not Classification
	: Severe Eye Injury/Eye Irritation	No Category
	: Respiratory Organs Sensitization (Solid/Liquid)	Not Classification
	: Respiratory Organs Sensitization (Gas)	Not Classification
	: Skin Sensitization	Not Classification
	: Germ-Cell Mutagenicity	No Category
	: Carcinogenicity	Not Classification
	: Reproduction Toxicity	No Category
	: Additional Category for the Affection to through breast-feed	Not Classification
	: Specific Target Organ/Whole Body Toxicity (Single Exposure)	No Category
	: Specific Target Organ/Whole Body Toxicity (Repeated Exposure)	No Category
	: Aspiration Respiratory Harmfulness	Not Classification
Environmental Hazard	: Aquatic Environmental Harmfulness (Acute)	Not Classification
	: Aquatic Environmental Harmfulness (Chronic)	Not Classification

LABEL ELEMENTS without

Pictgram

Signal Word without

Hazard Statement without

Precautionary Statement (Read SDS certainly before handling or use)

<Precautionary Measures>

- : Keep container tightly closed.
- : Stop eating or smoking when use.
- : Wear appropriate protection gloves/eye protection/face guard/protection clothes.
- : Wash hands thoroughly after handling.

<Counter Plan>

- : Make a suitable extinguishing method when fire.
- : Swallowing : See a physician if unpleasant. Wash mouth well.
- : Inhalation : Move to the fresh air area and rest with relaxed pose for sufficient breath.
If needed, see a physician.
- : Eye : Rinse cautiously with water for several minutes. Remove contact lenses ,if present, and possible to do so. Continue rinsing. Consult an oculist if having an irritation
- : Skin or Hair: Wash with soap and a plenty of water. See a doctor if unpleasant or skin irritation.

<Storage>

- : Direct sunshine is strictly prohibited. Packed into the closed container and store in a well-ventilated, cool and dark place because of easy polymerization by UV rays or heat.

<Disposal>

Dispose of the content and container in accordance with the regulations stipulated by each local government.

3 COMPOSITION INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION : Mixtures

INGREDIENT	CONTENT (%)	CAS No.
Resin	25.0-35.0	With registration
Additive	<1.5	With registration
Water	55-65	7732-18-5
Aluminum	<1.0	7429-90-5
A pigment Mixture.	10.0-20.0	With registration

4 FIRST AID MEASURES

- Inhalation : Move to the fresh air area and keep warm and rest. If necessary, consult a physician.
 - Skin : Wash with a plenty of water. Consult a doctor for inflammation.
 - Eye : Immediately rinse cautiously with clean water for 15 minutes. Consult an oculist.
 - Ingestion : Wash mouth and take the rest. Immediately see a physician.
 - Anticipated Acute /Late Symptom : (Inhalation) Irritation of Respiratory, Cough, Giddiness, Sore Throat,
Loss of Consciousness
(Skin) Irritation, Degreasing and Rubefaction
(Eye) Irritation, and Rubefaction
(Ingestion) Irritation of Digestive, Nauseaa Sickly Feeling, Vomiting and Diarrheal
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5 FIRE FIGHTING MEASURES

- Extinguishing Media : Dry Sand, Powder, Foam
- Prohibitive Extinguishant : Straight Stream of Water is unsuitable (Danger)
- Specific Hazard arising from Substance or Mixture
- : May emit stimulative, toxic or corrosive gas.
 - : May occur polymerization by heating, and then might ignite.
 - : May occur polymerization by heating, and then might explode.
 - : No spontaneous combustion.
- Specific Fighting Measure : In case of expanding the fire by sprinkling water, use the suitable extinguishing media stated as above except for sprinkling water.
- Use foam extinguishing media to cut off the air for large scale fire.
- Remove the container from fire area if not dangerous & possible. If impossible, cool down the container and surrounding area sufficiently with a plenty of sprinkling water.
- Furthermore cool down the container with water after extinction.
- Protection of Firefighters : Firefighters should be equipped with protective apparatus and never do it under the lee. Especially, pay the caution not to inhale toxic gas.

6 ACCIDENTAL RELEASE MEASURES

- Cautions, Protection Apparatus & Emergency Counter-Plan
- : Wear a protective apparatus (Ref. Chapter 8) and keep eye and skin off the contact or avoid inhalation of gas. Make the insulated area as spillage range with the suitable distances of every direction.
- Cautions for Ecology (Recovery, Neutralization) : Exercise reasonable care and attention not to drain the waste water into the rivers
- : In case of leakage, prevent the diffusion of leakage and scoop up the effluent materials or absorb them into the absorber in order to recover them in the sealed vessel.
- (Absorber : Sawdust, Earth, Sand & Waste Cloth)
- Containment and Decontamination Measures & its Apparatus,
- : Hold the leakage if not dangerous.
 - : All apparatus for handling leakage should be earthed.
- Preventive Action for Secondary Disaster
- : Shut off all sources of ignition at once near the leakage and prepare the extinguisher
 - : Prevent the inflow to drainage, drain, basement and closed area.

7 HANDLING AND STORAGE

- Handling : No flares, smoking or flames in area. Sufficient ventilation should be done in the working zone. Wear appropriate protection apparatus while handling.
- If adhesion on working wear, remove it, and wash hands & mouth well.
- Waste cloth after wiped the leakage out should be burnt or abandoned immediately.
- Contact Avoidance : See "Chapter 10 : Stability and Reactive".
- Storage
- Suitable Storage Condition : Keep at cool & dark place well-ventilated.
- Follow Fire Prevention Ordinance if the quantity is more than the designated amount.
- Reaction Hazard : See "Chapter 10 : Stability and Reactive".
- Container, Packing Material : Use the container stipulated by the Fire Service Act or U. N. Recommendations on the

8 EXPOSURE CONTROLS/PERSONEL PROTECTION

Occupational Exposure Limits

Ingredient	Control Value	Allowable Concentration	
		JSOH*	ACGIH
Aluminum			1mg/m ³

*Japanese Society of Occupational Health

Engineering Measures	: Close the container tightly in case of using in room or do sufficient ventilation. Instal the safety shower, hand washing apparatus and eyes washable apparatus near to the working area.
Protection Apparatus	
Respiratory	: Dust Respirators
Hands	: Oil Proof Gloves
Eyes	: Safety Glasses with Side Shields or Chemical Splash Goggles
Skin	: Gloves, Coveralls, Apron and Boots.
Sanitation	: Absorbent of the mask should be changed periodically or before every use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid (Gold Color)
Order	: The characteristic odor
Melting /Solid Point	: No Data
Boiling Point	: 約100°C
Flash Point	: No Data
Auto-ignition Temp.	: No Data
Explosive Limits	: No Data
Vapor Pressure	: No Data
Vapor Density (Air=1)	: No Data
Specific Gravity	: No Data
Solubility	: It's soluble in water
Partition Coefficient (N-Octanol/Water)	: No Data
Decomposition Temp.	: No Data

10 STABILITY AND REACTIVITY

Stability	: Stable under the ordinary conditions (ordinary temperature & atmospheric pressure) Polymerization occurs by UV rays or heating. Ignition and generation of gas happen at high temperature.
Conditions to avoid	: Heat

11 TOXICOLOGICAL INFORMATION

Harmful Information for Ingredients	Without information
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12 ECOLOGICAL INFORMATION

No Data Identified

13 DISPOSAL CONSIDERATIONS

When discarding of the contents and the container, we suggest to commissions the treatment to the industrial waste treatment company who obtains the permission of the authorities.

Don't discharge the waste water from rinsing of the containers or equipments to the land or drain.

And also, waste materials gained by the waste water treatment or incineration should be treated in accordance with the laws or regulations for it. Or commission it to the official treatment company.

14 TRANSPORT INFORMATION

International Regulations	
UN Number	: Without relevance
UN Proper Shipping Name	: Other inflammable fluid (one which doesn't possess other danger)
Hazard Class	:
Packing Group	: Without relevance
Domestic Regulations	
UN Number	: Without relevance
Transportation by Land	: Follow the way stipulated in Fire and Disaster Management Act/Industrial Safety and Health Law/Poisonous and Deleterious Substances Control Law.

- Transportation by Sea : Follow the way in Ship Safety Act.
Transportation by Air : Follow the way in Aviation Law.
- Cautions on Transportation : For the handling and storage, see Chapter 7.
: On the occasion of transportation, it confirms that there is no leak in a container and package, it loads that there may not be a fall, drop and damage, and collapse of cargo-piles prevention is ensured.

15 REGULATORY INFORMATION

Industrial Safety and Health : Not applicable

Fire & Disaster Management Act/Fire Prevention Ordinance Regulation : Not applicable
Poisonous & Deleterious Substances Control Law : Not applicable

16 OTHER INFORMATION

Disclaimer

The above information is based on data available to us and is believed to be correct. Since the information may be applied under conditions beyond our control and with which we may be unfamiliar we do not assume any responsibility for the results of its use and all persons receiving it must make their own determination of the effects, properties, protections and disposal which pertain to their particular conditions. No representation, warranty, or guarantee, express or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the materials, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material. Caution should be used in the handling and use of the material. The above information is offered in good faith and with the belief that it is accurate. As of the date of issuance, we are providing all information relevant to the foreseeable handling of the material. However, in the event of an adverse incident associated with this product, this Safety Data Sheet is not, and is not intended to be, a substitute for consultation with appropriately trained personnel.

- Literatures on this subject : **ACGIH (2006).**
: **International Chemical Safety Card (ICSC).** <http://www.nihs.go.jp/ICSC>
: **Kanagawa Environmental Research Data Base.**
<http://www.k-erc.pref.kanagawa.jp>
: **Independent Administrative Corporation "National Institute of Technology and Evaluation (NITE)" Data Base for GHS Classification.**
: **Text how to make MSDS of the mixture (Chemicals) corresponding to GHS form.**
(The Japan Industrial Safety and Health Association)
: **Japanese Society of Occupational Health (2006-2007)**
<http://joh.med.uoeh-u.ac.jp/oel/index.html>
: **Literatures for Material Safety Data Sheet : Rev. 3 Edition JIS Z7250 for 2005. (Printing Ink Industrial Federation)**
: **OSHA**
: **Chemicals Data Base (Japanese Chemical Data Base)**
: **List of Controlled Substances Act (Japanese Chemical Data Base)**
: **GHS Classification Data Base (NITE)**