

SAFETY DATA SHEET

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Manufacturer Information	NAME OF MANUFACTURER : TAIHO CHEMICAL INDUSTRY Co.,LTD	
	ADDRESS : ASAHI 3-1-5 KAWAGUCHI-CITY SAITAMA-PREFECTURE JAPAN	
	Charge section:Quality Management Division Person in charge:Mitsuaki Yanagida	
	Emergency TEL No. : 81-0480-85-5157 FAX : 81-048-222-7443	
	Emergency contact : 81-0480-85-5157 TEL : 81-0480-85-5157	
	Making section : Quality Management Division Revision : 2015/6/19	
Specific of Product	Product name Tamiya Color X-31 Titanium Gold Kind AQUEOUS ACRYLIC RESIN PAINT	
Summary of Danger and Harmful	GHS classification	
	Flammable liquids	Category 3
	Acute toxicity (Oral)	Not classified
	Acute toxicity (Dermal)	Not classified
	Acute toxicity (Gases)	Classification not possible
	Acute toxicity (Vapours)	Not classified
	Acute toxicity (Dusts and Mists)	Not classified
	Skin corrosion /irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Respiratory sensitization(Solid/Liquid)	Not classified
	Respiratory sensitization(Gases)	Classification not possible
	Skin sensitization	Not classified
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Not classified
	Reproductive toxicity	Category 1A
	Additional category for effects on or via lactation	Classification not possible
	Specific target organ systemic toxicity-single exposure	Category 1 Category 3
	Specific target organ systemic toxicity-repeated exposure	Category 1 Category 2
	Aspiration hazard	Not applicable
	Hazardous to the Aquatic Environment(acute)	Category 3
Hazardous to the Aquatic Environment(chronic)	Category 3	
Label Element		
		
Signal word		Danger
Hazard statements		
Flammable liquid and vapour		
Causes skin irritation		
Causes serious eye irritation		
May cause genetic defects		
May damage fertility or the unborn child		
Causes damage to organs(liver,blood,central nervous system,systemic toxicology,nervous system,kidney)		
May cause respiratory irritation ,May cause drowsiness or dizziness		
Causes damage to organs(liver,lungs)		
May Causes damage to organs(blood,spleen,nerve,liver,testicle)		
Harmful to aquatic life		
Harmful to aquatic life with long lasting effects		

FIRST-AID MEASURES

- IF IN EYES** :Gently rinse the affected eyes, including under the eyelids, with clean water for at least 15 minutes. Remove contact lenses if easily possible. Remove all chemicals from contact with victims eyes as quickly as possible. A delay of only seconds increase the injury. And refer for medical attention.
- IF ON SKIN** :Remove all contaminated clothing, shoes and socks from the affected areas as quickly as possible, cutting them off if necessary. Wash the affected areas under tepid running water using a mild soap. If irritation persists, arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.
- IF INHALED** :Remove the victim from the contamination immediately to fresh air. If breathing is weak, irregular or has stopped, open his airway, loosen his collar and belt and administer artificial respiration. And refer for medical attention.
- IF SWALLOWED** :Do not induce vomiting. Never give anything by mouth to someone who is unconscious or convulsing. If the victim is responsive, give him one or two glasses of milk or water. And refer for medical attention.
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FIRE-FIGHTING MEASURES**·EXTINGUISHING MEDIA:**

Dry chemical powder, foam, dry sand or carbon dioxide.

Water may be ineffective in extinguishing a fire involving this material.

·SPECIFIC HAZARDS WITH REGARD TO FIRE-FIGHTING MEASURES:

Toxic gases(carbon monoxide)will form upon combustion.

ACCIDENTAL RELEASE MEASURES

Evacuate non essential personnel.

Shut off all sources of ignition : No flare, smoking or flames in area.

Absorb spill with inert material(e.g., dry sand or earth),then place in a chemical waste container with covers for disposal, using non sparking tools.

Remove leaking containers to a safe place, if feasible.

Notify police and fire brigade.

HANDLING AND STORAGE**HANDLING**

: Use only in the well-ventilated areas.

Make available in the work area emergency shower and eyes wash.

Keep container tightly closed.

Avoid contact with skin or eyes.

Shut off all gas pilot and electrical(spark or hot wire)igniters and other sources of ignition during use and until all vapors (odors)are gone.

Use reduced-sparking hand tools.

Prevent build-up of electrostatic charges(e.g. by grounding).

Practice good personal hygiene after using this materials, especially before eating, drinking smoking or using the toilet.

STORAGE

: It should be kept in a tightly closed container, protected from physical damage, and away form oxidizing materials and sources of ignition.

Store in a cool, dry, well-ventilated location.

Keep away form heat, steam pipe or sunlight.

EXPOSURE CONTROL / PERSONAL PROTECTION

ENGINEERING MEASURES : Use exhaust ventilation to keep airborne concentration below exposure limit.

PERSONAL PROTECTIVE EQUIPMENT

EYE PROTECTION : Face shields
HAND, SKIN AND BODY PROTECTION : Impervious clothing.
 Chemical-resistant gloves, apron and impervious boots.
RESPIRATORY PROTECTION : Industrial canister gas masks.

PHYSICAL & CHEMICAL PROPERTIES

Form : [Liquid] Color : Metallic gold Odor : [Aromatic odor]
 Boiling point : [82.40~ 120.00°C]
 Vapor pressure : [4266.00Pa(20.0 °C)]
 Density : [0.993 / 20°C] pH : [7~8]
Danger information
 Flash point : [33.0°C] Auto ignition : [278.00 °C]
 Lower Explosion Limit : [2.10 %] Upper Explosion Limit : [13.50 %]

STABILITY & REACTIVITY

Material with the danger by contact

☆ do not have information in particular

Outbreak of the harmful gas by the combustion

☆ There is a threat that harmful gas such as CO occurs

Others reactivity information

☆ To be a normal condition is stability

TOXICOLOGICAL INFORMATION**Specific target organ systemic toxicity – single exposure**

- Category 3,Mineral spirit (anesthetic action ,Respiratory tract irritation)
- Category 3,Ethanol (Respiratory tract irritation,anesthetic action)
- Category 3,1-Propanol (anesthetic action ,Respiratory tract irritation)
- Category 1,Propan-2-ol (central nervous system,kidney,systemic toxicology)
- Category 3,Propan-2-ol (Respiratory tract irritation)
- Category 1,Ethanol. 2-butoxy- (central nervous system,blood,kidney,liver)
- Category 3,Ethanol. 2-butoxy- (Respiratory tract irritation)
- Category 3,2-Propanol. 1-methoxy- (anesthetic action)

Specific target organ systemic toxicity – repeated exposure

- Category 1,Aluminum (lungs)
- Category 2,Mineral spirit (liver,testicle)
- Category 1,Ethanol (liver)
- Category 2,Ethanol (nerve)
- Category 2,Propan-2-ol (blood vessel,liver,spleen)
- Category 2,Ethanol. 2-butoxy- (blood)

ECOLOGICAL INFORMATION

There is a threat that I affect environment in the case of a leak, the disposal,
I am careful to the handling

DISPOSAL CONSIDERATION

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra
care in igniting as this material highly flammable. Do not flush into the sewer.

TRANSPORT INFORMATION

- Keep away from oxidizing materials and source of ignition.
- Take precautionary measures against static discharges.
- Any transportation practice must be in compliance with laws and regulation
in your country or region

UN No. 1263

UN classification 3

Packing Group III

REGULATORY INFORMATION

Regulatory information with regard to this substance in your country or region
should be examined by your own responsibility.

OTHER INFORMATION**REFERENCES:**

Paint Raw Harmful materials Datasheet JAPAN PAINT MANUFACTURERS ASSOCIATION