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Manufacturer	NAME OF MANUFACTURER: TAIHO CHEMICAL IND	USTRY Co., LTD				
Information	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					
	Making section : Quality Management Division	on Revision : 2015/6/22				
Specific of	Product name Tamiya Color XF-55 Deck tan					
Product	Kind AQUEOUS ACRYLIC	RESIN PAINT				
Summary of	GHS classification					
Danger and Harmful	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 3				
	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	Category 2				
	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)	Not classified				
	Hazardous to the Aquatic Environment(chronic)	Not classified				
	Label Element					
	A A A					







#### Signal word

### Danger

#### Hazard statements

Flammable liquid and vapour

The skin is stimulated mild.

Causes serious eye irritation

May cause genetic defects

Suspected of causing cancer

May damage fertility or the unborn child

Causes damage to organs(liver,blood,central nervous system,systemic toxicology,nervous system,kidney)

May cause drowsiness or dizziness, May cause respiratory irritation

Causes damage to organs(liver)

May Causes damage to organs(blood,spleen,nerve,liver,testicle)

Components	CAS No.	Composition(%)	
Water	7732-18-5	18. 6%	
Calcium carbonate	471-34-1	0. 9%	
Silica. vitreous	60676-86-0	1. 4%	
Titanium dioxide	13463-67-7	18. 8%	
Ethano I	64-17-5	2.8%	
Propan-2-ol	67-63-0	14. 1%	
Butanol. 3-methoxy-3-methyl-	56539-66-3	3. 7%	
2-Propanol. 1-methoxy-	107-98-2	17. 5%	
Carbon black	1333-86-4	0. 1%	
Acrylic acid resin C.I.Pigment Yellow 13	25950-40-7	12. 5%	
C. I. Pigment Yellow 13	5102-83-0	0. 2%	
Aluminium hydroxide	21645-51-2	9. 4%	
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#### 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.

#### 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: Beige Odor: [Aromatic odor]

Boiling point : [ 82.40~ 174.00°C ]

Vapor pressure : [ 4266.00Pa( 20.0 °C)]

Density : [1.220 / 20°C] pH : [7~8]

Danger information

Flash point: [ 33.0°C] Auto ignition: [ 278.00°C] Lower Explosion Limit: [ 1.20 %] Upper Explosion Limit: [ 13.10 %]

#### 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

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Acute	Acute	Acute toxicity	Acute toxicity	Acute toxicity	Skin corrosion irritation
Not classified	Classification not possible			Classification not possible	Classification not possible
Not classified		Not applicable	Classification not possible	Not classified	Not classified
Not classified	Classification not possible	Not applicable		Not classified	Not classified
Category 5	Category 5	Not applicable	Not classified	Classification not possible	Not classified
Not classified	Not classified	Not applicable	Classification not possible	Classification not possible	Category 3
Not classified	Classification not possible	Not applicable	Classification not possible	Classification not possible	Classification not possible
3 3					
	toxicity(Oral) Not classified 6450mg/Kg Not classified 10000mg/Kg Not classified 5000mg/Kg Category 5 3437mg/Kg Not classified 5113mg/Kg	Acute toxicity(Oral) described toxicity(Oral)  Not classified 6450mg/Kg  Not classified 10000mg/Kg  Not classified 10000mg/Kg  Not classified 5000mg/Kg  Category 5 3437mg/Kg  Not classified 5113mg/Kg  Not classified 13000mg/Kg  Not classified Classification not possible 13000mg/Kg  Not classified Classified 13000mg/Kg  Not classified Classification not possible 13000mg/Kg	Acute toxicity(Oral) toxicity(dermal) (Gases)  Not classified 6450mg/Kg  Not classified 10000mg/Kg  Not classified 10000mg/Kg  Not classified 5000mg/Kg  Category 5 3437mg/Kg  Not classified 5113mg/Kg  Not classified Classified 13000mg/Kg  Not classified 10000mg/Kg  Category 5 Autorion not possible Not applicable 10000mg/Kg  Not classified Not classified Not applicable 10000mg/Kg  Not classified Not classified Not applicable 10000mg/Kg  Not classified Classification not possible Not applicable 10000mg/Kg  Not classified Classification not possible Not applicable 10000mg/Kg  Not classified Classification not possible Not applicable	Acute toxicity(Oral) Acute toxicity (Gases) (Vapours)  Not classified 6450mg/Kg  Not classified 10000mg/Kg  Not classified 10000mg/Kg  Not classified 5000mg/Kg  Classification not possible Not applicable Classification not possible Not classified 5000mg/Kg  Category 5 Category 5 4059mg/Kg  Not classified Not classified 29512ppm  Not classified Not classified Not applicable Classification not possible Not classified 29512ppm  Not classified Not classified Not applicable Classification not possible Not classified 29512ppm  Not classified Classification not possible Not applicable Classification not possible Not classified Not classified Not applicable Classification not possible Not classified Not classified Not applicable Classification not possible Not classification not possible Not applicable Classification not possible Not classification not possible Not applicable Classification not possible Not classification not possible Not applicable Classification not possible Not classification not possible Not applicable Classification not possible Not classification not possible Not applicable Not appl	Acute toxicity (Oral) toxicity(dermal) (Gases) (Vapours) (Dust/Mists)  Not classified 6450mg/Kg  Not classified 10000mg/Kg  Not classified 10000mg/Kg  Not classified 20000mg/Kg  Not classified 3000mg/Kg  Category 5 3437mg/Kg  Not classified 3000mg/Kg  Not classification not possible 3000mg/Kg

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TOXICOLOGICAL INFORMATI	ON					
CHEMICAL NAME	Serious eye damage		sensitization	Skin	Germ cell	Carcinogenicity
0.1.	eye irritation	solid/liquid	gases	sensitization	mutagenicity	
Calcium carbonate	Classification not possible	Classification not possible	Not applicable	Classification not possible	Classification not possible	Classification not possible
Titanium dioxide	Category 2B	Classification not possible		Not classified	Not classified	Not classified
Ethanol	Category 2A-2B	Classification not possible		Classification not possible	Category 1B	Not classified
Propan-2-ol	Category 2A-2B	Classification not possible		Classification not possible	Not classified	Not classified
2-Propanol. 1-methoxy-	Category 2A-2B	Classification not possible		Classification not possible	Not classified	Classification not possible
Carbon black	Classification not possible	Classification not possible		Classification not possible	Classification not possible	Category 2

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TOXICOLOGICAL INFORMATI	ION					
CHEMICAL NAME	Reproductive toxicity	Aspiration hazard	Hazardous top the Aquatic Environmental			
			acute	chronic		
Calcium carbonate	Classification not possible	Classification not possible	Classification not possible	Classification not possible		
Titanium dioxide	Classification not possible	Classification not possible	Not classified	Category 4		
Ethanol	Category 1A	Classification not possible	Not classified	Not classified		
Propan-2-ol	Category 2	Category 2	Not classified	Not classified		
2-Propanol. 1-methoxy-	Not classified	Classification not possible	Not classified	Not classified		
Carbon black	Classification not possible	Classification not possible	Not classified	Category 4		
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# TOXICOLOGICAL INFORMATION Specific target organ systemic toxicity - single exposure Category 3, Titanium dioxide (Respiratory tract irritation) (\*) Category 3, Ethanol (Respiratory tract irritation, anesthetic action ) Category 1, Propan-2-ol (central nervous system, kidney, systemic toxicology) Category 3, Propan-2-ol (Respiratory tract irritation) Category 3,2-Propanol. 1-methoxy- (anesthetic action ) Specific target organ systemic toxicity - repeated exposure Category 1, Ethanol (liver) Category 2, Ethanol (nerve) Category 2, Propan-2-ol (blood vessel, liver, spleen)

#### 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