	SAFETY DATA SH	IEET 07524900 PAGE [1]							
Manufacturer	NAME OF MANUFACTURER : TAIHO CHEMICAL IND								
Information		CHI-CITY SAITAMA-PREFECTURE JAPAN							
	Charge section:Quality Management Division	Person in charge:Mitsuaki Yanagida							
		AX : 81-048-222-7443							
		EL : 81-0480-85-5157							
	Making section : Quality Management Divisi	on Revision : 2015/6/19							
Specific of	Product name Tamiya Color XF-49 Khaki								
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								
	Aspiration hazard	Not applicable							
	Hazardous to the Aquatic Environment(acute)	Not classified							
	Hazardous to the Aquatic Environment(chronic)	Not classified							
	Label Element								
	Signal word Dan	iger							
	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(liver)								
	iviay Gauses damage to organs(biood,spieen,nerve,iiver,testicle)								

Components	CAS No.	Composition(%)	
Water	7732-18-5	24.0%	
Calcium carbonate	471-34-1	0.7%	
Silica. vitreous	60676-86-0	1.6%	
Titanium dioxide	13463-67-7	11.0%	
Ethanol	64-17-5	3.0%	
Propan-2-ol	67-63-0	15.9%	
Butanol. 3-methoxy-3-methyl-	56539-66-3	3.0%	
2-Propanol. 1-methoxy-	107-98-2	17.1%	
Carbon black	1333-86-4	0.6%	
Acrylic acid resin	25950-40-7	13.5%	
C.I.Pigment Yellow 13	5102-83-0	1.1%	
C.I.Pigment orange 34	12236-62-3	0.5%	
Aluminium hydroxide	21645-51-2	8.0%	
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		1 1	
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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 : Face shields 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 :	Khaki Odor:	[Aromatic odor]
Boiling point :	[82. 40∼ 120. 00°C]	
Vapor pressure :	[4266.00Pa(20.0 °C)]	
Density :	[1.130 / 20°C]	pH :	[7~8]
Danger information			
Flash point :	[33.0°C]	Auto ignition :	[278.00 °C]
Lower Explosion Limit :	[2.50 %]	Upper Explosion Limit :	[12.00 %]

STABILITY & REACTIVITY

Material with the danger by contact ☆ do not have information in particular

Outbreak of the harmful gas by the combustion \clubsuit There is a threat that harmful gas such as CO occurs

Others reactivity information

 \bigstar To be a normal condition is stability

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DXICOLOGICAL INFORMATI	ON					
CHEMICAL NAME	Acute	Acute	Acute toxicity	Acute toxicity	Acute toxicity	Skin corrosio
	toxicity(Oral)	toxicity(dermal)	(Gases)	(Vapours)	(Dust/Mists)	irritation
Calcium carbonate	Not classified 6450mg/Kg	Classification not possible	Not applicable	Not applicable	Classification not possible	Classification not pos
Titanium dioxide		Not classified 10000mg/Kg		Classification not possible	Not classified	Not classif
Ethanol	Not classified 5000mg/Kg		Not applicable	Not classified 20000ppm	Not classified	Not classif
Propan-2-ol	Category 5 3437mg/Kg		Not applicable		Classification not possible	Not classif
2-Propanol. 1-methoxy-	Not classified 5113mg/Kg	Not classified 13000mg/Kg		Classification not possible	Classification not possible	Category
Carbon black	Not classified 15400mg/Kg		Not applicable	Classification not possible	Classification not possible	Classification not po

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TOXICOLOGICAL INFORMATION						
Serious eye damage			Skin	Germ cell	Carcinogenicity	
-					Classification not possible	
Classification not possible	Classification not possible	Not applicable	Glassification not possible	Classification not possible	Classification not possible	
Category 2B	Classification not possible		Not classified	Not classified	Not classified	
Category 2A-2B	Classification not possible		Classification not possible	Category 1B	Not classified	
Category 2A-2B	Classification not possible		Classification not possible	Not classified	Not classified	
Category 2A-2B	Classification not possible		Classification not possible	Not classified	Classification not possible	
Classification not possible	Classification not possible		Classification not possible	Classification not possible	Category 2	
	Serious eye damage eye irritation Classification not possible Category 2B Category 2A-2B Category 2A-2B Category 2A-2B	Serious eye damage eye irritation solid/liquid Classification not possible Category 2B Classification not possible	Serious eye damage       Respiratory sensitization         eye irritation       solid/liquid       gases         Classification not possible       Classification not possible       Not applicable         Category 2B       Classification not possible       Solid/liquid       Solid/liquid         Category 2A-2B       Classification not possible       Classification       Solid/liquid         Category 2A-2B       Classification not possible       Solid/liquid       Solid/liquid       Solid/liquid         Category 2A-2B       <	Serious eye damage       Respiratory sensitization       Skin         eye irritation       solid/liquid       gases       sensitization         Classification not possible       Classification not possible       Not applicable       Classification not possible         Category 2B       Classification not possible       Not classified         Category 2A-2B       Classification not possible       Classification not possible         Category 2A-2B       Classification not possible       Classification not possible	Serious eye damage eye irritation       Respiratory sensitization       Skin sensitization       Germ cell mutagenicity         Classification not possible       Classification not possible       Not applicable       Classification not possible       Classification not possible         Category 2B       Classification not possible       Classification not possible       Not classified       Not classified         Category 2A-2B       Classification not possible       Classification not possible       Classification not possible       Classification not possible         Category 2A-2B       Classification not possible       Classification not possible       Classification not possible       Not classified         Category 2A-2B       Classification not possible       Classification not possible       Not classified         Category 2A-2B       Classification not possible       Classification not possible       Not classified         Category 2A-2B       Classification not possible       Classification not possible       Not classified         Category 2A-2B       Classification not possible       Classification not possible       Not classified	

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ON					
Reproductive toxicity	Aspiration bazard	Hazardous top the Aquatic Environmental			
		acute	chronic		
Classification not possible	Classification not possible	Classification not possible	Classification not possible		
Classification not possible	Classification not possible	Not classified	Category 4		
Category 1A	Classification not possible	Not classified	Not classified		
Category 2	Category 2	Not classified	Not classified		
Not classified	Classification not possible	Not classified	Not classified		
Classification not possible	Classification not possible	Not classified	Category 4		
	toxicity Classification not possible Classification not possible Category 1A Category 2 Not classified	Reproductive toxicity       Aspiration hazard         Classification not possible       Classification not possible         Classification not possible       Classification not possible         Category 1A       Classification not possible         Category 2       Category 2         Not classified       Classification not possible	Reproductive toxicity       Aspiration hazard       Hazardous top the A         Classification not possible       Classification not possible       Classification not possible         Classification not possible       Classification not possible       Classification not possible         Classification not possible       Classification not possible       Not classified         Category 1A       Classification not possible       Not classified         Not classified       Category 2       Category 2       Not classified         Not classified       Classification not possible       Not classified	Reproductive toxicity       Aspiration hazard       Hazardous top the Aquatic Environmental acute         Image: Aspiration hazard       acute       chronic         Classification not possible       Classification not possible       Classification not possible       Classification not possible         Classification not possible       Classification not possible       Not classified       Category 4         Category 1A       Classification not possible       Not classified       Not classified         Not classified       Category 2       Category 2       Not classified       Not classified         Not classified       Classification not possible       Not classified       Not classified       Not classified	Reproductive toxicity       Aspiration hazard       Hazardous top the Aquatic Environmental         Image: Classification not possible       Classification not possible       Chronic         Classification not possible       Classification not possible       Classification not possible       Classification not possible         Classification not possible       Classification not possible       Classification not possible       Classification not possible         Classification not possible       Classification not possible       Not classified       Category 4         Category 1A       Classification not possible       Not classified       Not classified         Not classified       Classification not possible       Not classified       Not classified         Not classified       Classification not possible       Not classified       Not classified

TOXICOLOGICAL INFORMATION

# Specific target organ systemic toxicity - single exposure

Category 3, Titanium dioxide (Respiratory tract irritation) (*) Category 3, Ethanol (Respiratory tract irritation, an esthetic 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- (an esthetic 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