# SAFETYDATASHEET07500100PAGE [ 1 ]

	<u>SAFELY DATA SP</u>						
Manufacturer	NAME OF MANUFACTURER : TAIHO CHEMICAL IN	DUSTRY Co., LTD					
Information	ADDRESS : ASAHI 3-1-5 KAWAG	JCHI-CITY SAITAMA-PREFECTURE JAPAN					
	Charge section:Quality Management Division Person in charge:Mitsuaki Yanagida						
	Emergency TEL No. : 81-0480-85-5157	Emergency TEL No. : 81-0480-85-5157					
	Emergency contact : 81-0480-85-5157	TEL : 81-0480-85-5157					
	Making section : Quality Management Divis	ion Revision : 2015/6/18					
Specific of	Product name Tamiya Color X-	1 Black					
Product	Kind AQUEOUS ACRYLIC						
Summary of	GHS classification						
Danger and Harmful		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					
		Category 1B					
	Germ cell mutagenicity	Category 2					
	Carcinogenicity						
	Reproductive toxicity	Category 1A					
	Additional category for effects on or via lactation						
	Specific target organ systemic toxicity-single exposure						
	Specific target organ systemic toxicity-repeated exposure	calegory I calegory Z					
		Nat appliaghla					
	Aspiration hazard	Not applicable					
	Aspiration hazard Hazardous to the Aquatic Environment(acute)	Not classified					
	Aspiration hazard						
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic)	Not classified					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element	Not classified Not classified					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Dar	Not classified					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Dar Hazard statements	Not classified Not classified					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour	Not classified Not classified					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Dar Hazard statements Flammable liquid and vapour Causes skin irritation	Not classified Not classified					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Dar Hazard statements Flammable liquid and vapour Causes skin irritation Causes serious eye irritation	Not classified Not classified					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Dar Hazard statements Flammable liquid and vapour Causes skin irritation Causes serious eye irritation May cause genetic defects	Not classified Not classified					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Dar Hazard statements Flammable liquid and vapour Causes skin irritation Causes serious eye irritation May cause genetic defects Suspected of causing cancer	Not classified Not classified					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour Causes skin irritation Causes serious eye irritation May cause genetic defects Suspected of causing cancer May damage fertility or the unborn child	Not classified Not classified					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour Causes skin irritation 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 nerve	Not classified Not classified Nger ous system,systemic toxicology,nervous system,kidney)					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour Causes skin irritation 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 nervor May cause respiratory irritation ,May cause	Not classified Not classified Nger ous system,systemic toxicology,nervous system,kidney)					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour Causes skin irritation 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 nervor May cause respiratory irritation ,May cau Causes damage to organs(liver)	Not classified Not classified nger ous system,systemic toxicology,nervous system,kidney) se drowsiness or dizziness					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour Causes skin irritation 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 nervor May cause respiratory irritation ,May cause	Not classified Not classified nger ous system,systemic toxicology,nervous system,kidney) se drowsiness or dizziness					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour Causes skin irritation 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 nervor May cause respiratory irritation ,May cau Causes damage to organs(liver)	Not classified Not classified nger ous system,systemic toxicology,nervous system,kidney) se drowsiness or dizziness					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour Causes skin irritation 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 nervor May cause respiratory irritation ,May cau Causes damage to organs(liver)	Not classified Not classified nger ous system,systemic toxicology,nervous system,kidney) se drowsiness or dizziness					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour Causes skin irritation 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 nervor May cause respiratory irritation ,May cau Causes damage to organs(liver)	Not classified Not classified nger ous system,systemic toxicology,nervous system,kidney) se drowsiness or dizziness					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour Causes skin irritation 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 nervor May cause respiratory irritation ,May cau Causes damage to organs(liver)	Not classified Not classified nger ous system,systemic toxicology,nervous system,kidney) se drowsiness or dizziness					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour Causes skin irritation 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 nervor May cause respiratory irritation ,May cau Causes damage to organs(liver)	Not classified Not classified nger ous system,systemic toxicology,nervous system,kidney) se drowsiness or dizziness					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour Causes skin irritation 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 nervor May cause respiratory irritation ,May cau Causes damage to organs(liver)	Not classified Not classified nger ous system,systemic toxicology,nervous system,kidney) se drowsiness or dizziness					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour Causes skin irritation 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 nervor May cause respiratory irritation ,May cau Causes damage to organs(liver)	Not classified Not classified nger ous system,systemic toxicology,nervous system,kidney) se drowsiness or dizziness					
	Aspiration hazard Hazardous to the Aquatic Environment(acute) Hazardous to the Aquatic Environment(chronic) Label Element Signal word Hazard statements Flammable liquid and vapour Causes skin irritation 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 nervor May cause respiratory irritation ,May cau Causes damage to organs(liver)	Not classified Not classified nger ous system,systemic toxicology,nervous system,kidney) se drowsiness or dizziness					

# COMPOSITION/INFORMATION ON INGREDIENTS

	CAS No.	Composition(%)	
later	7732-18-5	31.0%	
thanol	64-17-5	5.5%	
-Propanol	71-23-8	14.1%	
Propan-2-ol	67-63-0	7.5%	
Sutanol. 3-methoxy-3-methyl-	56539-66-3	2.0%	
thanol. 2-butoxy-	111-76-2	0.2%	
Drepanal 1 methowy			
-Propanol. 1-methoxy-	107-98-2	14.1%	
arbon black	1333-86-4	2.8%	
crylic acid resin	25950-40-7	22. 5%	
filicon compound	68083-19-2	0.1%	
		_	

### 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

### 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 PR ENGINEERING MEASURES PERSONAL PROTECTIVE EQUIPMENT	OTECTION : Use exhaust ventilation to keep airborne concentration below exposure limit.
EYE PROTECTION HAND, SKIN AND BODY PROTECTION	: Face shields : Impervious clothing. Chemical-resistant gloves, apron and impervious boots.
RESPIRATORY PROTECTION	: Industrial canister gas masks.
PHYSICAL & CHEMICAL PROPERTIES	Color : BLACK Odor : [Aromatic odor]

Form : L	Liquid		Color :	BLACK	Udor :	L Aromatic	odor ]
Boiling point :		[	82.40~ 120.0	0°C ]			
Vapor pressure :		[ 4	1266.00Pa(20.	0 °C)]			
Density :		[0.	965 / 20°C]		pH :	[7~8]	
Danger informati	ion						
Flash point :		Γ	35.0°C]	Auto i	gnition :	[ 278.00	) °C]
Lower Explosion L	.imit :	[	2.10 % ]	Upper Exp	olosion 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  $\clubsuit$  There is a threat that harmful gas such as CO occurs

Others reactivity information

 $\bigstar$  To be a normal condition is stability

#### Acute Acute Acute toxicity Acute toxicity Acute toxicity Skin corrosion CHEMICAL NAME toxicity(Oral) toxicity(dermal) (Gases) (Vapours) (Dust/Mists) irritation Not classified Classification not possibl Not applicable Not classified Not classified Not classified Ethanol 5000mg/Kg 20000ppm Category 5 Category 5 Not applicable Classification not possible Classification not possible 1-Propanol Category 2 2695mg/Kg 4031mg/Kg Category 5 Category 5 Not applicable Not classified Classification not possible Propan-2-ol Not classified 4059mg/Kg 3437mg/Kg 29512ppm Category 4 Category 2 Not applicable Category 2 Classification not possible Ethanol. 2-butoxy-Category 2 1746mg/Kg 135<u>mg</u>/Kg 450ppm Not classified Not classified Not applicable Classification not possible Classification not possible 2-Propanol. 1-methoxy-Category 3 13000mg/Kg 5113mg/Kg Not classified Classification not possible Not applicable Classification not possible Classification not possible Carbon black Classification not possible 15400mg/Kg

TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION							
CHEMICAL NAME	Serious eye damage			Skin	Germ cell	Carcinogenicity	
Ethanol	eye irritation	solid/liquid	gases	sensitization	mutagenicity	Not classified	
1-Propanol	Category 2A	Classification not possible		Classification not possible	Classification not possible	NOL CLASSIFIED	
Propan-2-ol	Category 2A-2B	Classification not possible		Classification not possible	Not classified	Not classified	
Ethanol. 2-butoxy-	Category 2A	Classification not possible		Not classified	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	

# TOXICOLOGICAL INFORMATION Hazardous top the Aquatic Environmental Reproductive CHEMICAL NAME Aspiration hazard toxicity acute chronic Not classified Not classified Ethanol Category 1A Classification not possible 1-Propanol Category 2 Not classified Not classified Category 2 Propan-2-ol Category 2 Not classified Not classified Category 2 Ethanol. 2-butoxy-Category 2 Classification not possible Category 2 Not classified 2-Propanol. 1-methoxy-Not classified Classification not possibl Not classified Not classified Carbon black Classification not possible Not classified Category 4 Classification not possible

## TOXICOLOGICAL INFORMATION

### Specific target organ systemic toxicity - single exposure

Category 3, Ethanol (Respiratory tract irritation, an esthetic 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,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