Material Safety Data Sheet

8323010

Section 1.

IDENTITY: Tamiya PS-1 White UN NUMBER: 1263	EMERGENCY TELEPHONE NUMBER: 03-3691-8101(Japan)
MANUFACTURES NAME: TAISEI CHEMICAL INDUSTRIES,LTD.	TELEPHONE NUMBER FOR INFORMATION: 81-3-3691-8101 (Japan)
ADRESS: 5-1,Nishi Shinkoiwa 3-chome,Katsushika-ku, Tokyo ,Japan	FACSIMILE NUMBER FOR INFORMATION 81-3-5698-7676 (Japan)

Section 2. Hazardous Ingredients/Identity Information.

HAZARDOUS INGREDIENTS(CAS No)		OSHA PEL	ACGIH TLV	%
Polyvinyl chloride-polyvinyl acetate	(not hazardous)	———	———	10～20
Butyl acetate	123-86-4	150ppm	150ppm	13
Isobutyl acetate	110-19-0	———	150ppm	8
Acetone	67-64-1	1000 ppm	750 ppm	23
Methyl isobutyl ketone	108-10-1	100 ppm	50 ppm	20
Propylenglycol Monomethylether acetate	108-65-6	———	———	1
3-Methoxybutyl acetate	4435-53-4	———	———	<1
Butyl cellosolve	111-76-2	50ppm	25ppm	3
Isobutyl alcohol	78-83-1	100ppm	50ppm	6
Diacetone alcohol	123-42-2	50ppm	50ppm	3
Titanium dioxide	13463-67-7	15mg /m^3	10mg /m^3	9

Section 3. Physical/Chemical Characteristics

BOILING POINT: 56.2～171. 2℃	SPECIFIC GRAVITY: ca.0.9
VAPORE PRESSURE(mmHg): 185 mmHg(as Acetone)	MELTING POINT: Unknown
VAPOR DENSITY(AIR=1): Unknown	EVAPORATION RATE(Butyl Acetate=1): Unknown
SOLUBILITY IN WATER: Insoluble	APPEARANCE AND ODOR: ・White ・Slight odor

Section 4. Fire and Explosion Hazard Data

FLASH POINT(METHOD USED):	FLAMMABLE LIMITS:
-17℃	Lower 1.1vol% Upper 15vol%

EXTIGUISHING MEDIA:

CO_2,Foam,Dry powder

SPECIAL FIRE FIGHTING PROCEDURES:

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus

Wear full protective equipment.

Hazardous gases/vapors produced in fire are carbon monoxide, organic acids and aldehydes.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Mixture with air by some range may get explosion with fire point.

May catch fire with ignition or flame or sparks, Must be kept away from them.

Section 5. Reactivity Data

STABILITY:	CONDITIONS TO AVOID:
Stable	Hot condition
IMCOMPATIBILITY(MATERIALS TO AVOID):	HAZARDOUS DECOMPOSITION AND BYPRODUCTS:
Nitric acid, oxidizing agent	None

HAZARDOUS POLYMERIZATION:

Will not occur

Section 6. Health Hazard Data

RUTE(S) OF ENTRY:	INHALATION ?	SKIN ?	INGESTION ?
	Yes	Yes	Yes

HEALTH HAZARDS:	ORAL-TOXICITY	INHALATION-TOXICITY
Polyvinyl chloride-polyvinyl acetate	Not available	Not available
Butyl acetate	LD_{50}(rat)=14000mg/kg	LC_{50}(rat)=2000ppm/4H
Isobutyl acetate	LD_{50}(rat)=15400mg/kg	LCLo(rat)=8000ppm/4H
Acetone	LD_{50}(rat)=6800mg/kg	LCLo(rat)=16000ppm/4H
Methyl isobutyl ketone	LD_{50}(rat)=2080mg/kg	LC_{50}(rat)=8000ppm/4H
Propylenglycol Monomethylether acetate	LD_{50}(rat)=8500mg/kg	LC_{50}(mouse)=4350ppm
3-Methoxybutyl acetate	LD_{50}(rat)=4210mg/kg	Not available
Butyl cellosolve	LD_{50}(rat)=500mg/kg	LC_{50}(rat)=450ppm/4H
Isobutyl alcohol	LD_{50}(rat)=2460mg/kg	LCLo(rat)=8000ppm/4H
Diacetone alcohol	LD_{50}(rat)=4000mg/kg	LDLo(rabbit)=4653mg/kg
Titanium dioxide	Not available	Not available

CARCINOGENCITY:	NTP ?	IARC MONOGRAPHS ?	OSHA REGULATED ?
Polyvinyl chloride-polyvinyl acetate	No	No	No
Butyl acetate	No	No	No
Isobutyl acetate	No	No	No
Acetone	No	No	No
Isobutyl acetate	No	No	No
Methyl isobutyl ketone	No	No	No
Propylenglycol Monomethylether acetate	No	No	No
3-Methoxybutyl acetate	No	No	No
Butyl cellosolve	No	No	No
Isobutyl alcohol	No	No	No
Diacetone alcohol	No	No	No
Titanium dioxide	No	No	No

SIGNS AND SYMPTOMS OF EXPOUSE:

Skin: May cause irritation or rush upon prolonged contact.

Mucous, Membrance: May cause rash upon inhalation.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Immediately wash eyes with running water for 15 minutes.
If irritation will develop get medical attention.

Skin: Wash affected areas with soap and water. If irritation will develop, get medical attention.

Mucous, Membrance:I mmediately gargle. If irritation will develop get medical attention.

Inhalation: Immediately move to fresh air area, and call a physician.

Ingestion: Immediately dilute with water and induce vomiting ,call a physician.

Section 7. Precautions for Safe Handing and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Smaller spilled materials may be wiped by cloth.

Do mot allow spilled liquid to enter sewers.

Must change the vapor of the spilled materials to fresh air.

DISPOSAL OF WASTE:

Dispose in accordance with local and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store containers in clear and cool area with adequate ventilation.

Keep containers closed.

Shelter containers from the direct sunlight.

Section 8. Control Measures	
RESPIRATORY PROTECTION: Use NIOSH/OSHA approved respiratory protection.	
VENTILATION: Should be mostly adequate.	
PROTECTIVE GLOVES: Wear chemical resistant gloves.	EYE PROTECTION: Use safety glasses.
OTHER PROTECTIVE CLOTHING EQUIPMENT: Wear chemical resistant clothing to prevent any contact with this product, such as gloves, apron, boots or whole bodysuit, as appropriate.	