Safety Data Sheet

1. Product and Company Identification

Product name:	OPTIMUS WHITE PAINT
Company Name:	Hoei Sangyo Co.,LTD.
Address:	94 Ohnoshiba-cho Nakaku Sakai City Osaka Japan
Section in charge:	Technical Engineering Division
Phone Number:	+81-722-35-1131
Fax Number:	+81-722-34-0835

2. Hazards Identification

GHS classification:

Physical Hazard	Flammable Solids	Non categorized
	Spontaneous combustion solids	Not Classified
	Self-heating Substances	Not Classified
	Substance which in contact with water emit flammable gases	Not Classified
Health Hazard	Acute Toxicity (Oral)	Not Classified
	Acute Toxicity (Dermal)	Not Classified
	Serious Eye Damage/Eye Irritation	Not Classified
	Skin Sensitization	Not Classified
	Germ Cell Mutagenicity	Not Classified
	Cancer causing	Category 2
	Reproductive toxicity	category 1B
Environmental Hazard	Hazardous to the aquatic environment	Category 3
	Hazardous to Ozone layer	Non categorized

GHS Label element:

Pictogram or symbol: 

Signal word; Alert, and harmful if swallowed

3. Composition / Information on Ingredient

Common Name: Water Based Emulsion Paint

Chemical name	**Content Wt.%**	**CAS No.**
Acrylic Resin	20-25%	9003-32-1

Titanium Dioxide	25-30%	13463-67-7 (includes photocatalyst)
Dipropylene glycol methyl ether	1-2%	34590-94-8
Micro Capusule	1-5%	7631-86-9, 1344-28-1
Water	40%	

4. First-Aid Measures

Eye Contact:	Flush immediately with plenty of clean water for 15 minutes or more. Wash sufficiently the back of the eye lids. And consult physician with SDS as soon as possible.
Skin Contact:	Wipe quickly clinging matter with clean cloth. Flush with plenty of water and soap. Do not use thinner or solvent. Get medical attention with SDS, if symptom or pain persists.
Inhalation:	If disorder occurs for inhalation of vapor or gas, remove to fresh air, immediately consult physician with SDS.
Ingestion:	If one swallows accidentally, immediately rest and consult physician with SDS. Avoid forcing to vomit. Do not make swallow vomit. Avoid forcing to vomit without physician's instruction.

5. Fire-Fighting Measures

Suitable extinguishing agent: Any of the extinguishing agents, including water, carbon dioxide gas, foam, dry chemicals and powder are effective. Select an extinguishing agent depending on circumstances (source of fire, etc.).

Suitable extinguishing method: Use any of the ordinary fire extinguishing methods.

6. Accidental Release Measures

- Wear Proper protectors (gloves, respirators, safety goggles, apron, etc)
- Recollect leak in container and keep in safety place with the container closed.
- Dispose of waste or clinging matter according to related regulations.
- If in large volume, prevent from flowing out by banking. Avoid from flowing out to river or drainage ditch when washed with water.

7. Handling and Storage

- Handle if well-ventilated area and close lightly container with closer necessarily during and after use.

- Close tightly container with closer necessarily during and after use.
- Avoid direct sunlight.
- Store in good ventilation.

Storage: in good ventilation area, not exposed to sun, in shade area.

8. Exposure Controls / Personal Protection

Titanium Dioxide ACGIH 10mg/m3 (TLV)
Amorphous Silica ACGIH 10mg/m3(TLV)

Personal protective equipment
workplace environment.
- Respiratory protection: Dust mask (approved by the government authorities: replaceable /one-way)
- Hand protection: Gloves such as leather which don't allow resin to pierce
- Eye protection: Safety glasses (goggle type)
- Skin and body protection: Loose-fitting top garment with long sleeves and collar (tightened cuffs) and long pants (tightened at the ankles).

9. Physical and Chemical Properties

Physical and Chemical Properties	
Appearance (at 20C°):	Pasty
Color:	White
Odor:	Emulsion like smell
Boling Point:	100C°
Density:	0.7-0.8
pH:	7-10
Flash Point:	N/A
Ignition Point:	N/A
Explosion Limit:	N/A

10. Stability and Reactivity

Stability: Stable at normal condition

11. Toxicological Information

Titanium Dioxide

Amorphous Silica

Acute oral toxicity	LD50 (Rat):>10,000mg/kg Method: literature
Acute dermal toxicity	LD50(Rabbit):.10,000mg/kg Method: literature
Acute inhalation toxicity:	LC50 (Rat):not determined
Skin corrosion/irritation:	corrosion: not determined Irritation: Rabbit/not irritating
Serious Eye Damage/Irritation:	Rabbit/not irritation
Respiratory or Skin sensitization	respiratory: not determined
Germ Cell Mutagenicity:	not determined
Carcinogenicity:	Oral (mouse:103 weeks): no evidence that cancer may be caused. Inhalitive (rat:2 years):increased incidence of lung tumors
Toxicity to reproduction:	Not determined
STOT-single exposure:	Not determined
STOT-repeated exposure:	Not determined

12. Ecological Information

Take cautions in handling because it may contaminate environment when it leaks or spills or it is dumped. Especially, take cautions for product or rinsing water not to flow onto the ground, river or ditch.

13. Disposal Consideration

For disposal, handle in the same manner as general industrial wastes. Also follow all other concerned laws, bylaws and legal regulations.

14. Transport Information

Not classified as hazardous in the meaning of transport regulation.
No correspondence to UN classification and UN number.

15. Regulatory Information

Industrial Safety and Health Law:
Act 57-2 Number 191 Titanium Dioxide
Number 601 1-methoxyethanol 2 Propanol

Non-dangerous Substances Related to “Fire Service Law”

16. Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.