Safety Data Sheet

WAA853 INTERCRYL 853 WHITE

Version Number 1 **Revision Date** 10/20/15

1. Product and company identification

1.1. Product identifier INTERCRYL 853 WHITE

Product Code WAA853

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use Refer Technical Data Sheet.
For professional use only.

Application Method Refer Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Importer or Manufacturer

International Paint Singapore Pte Ltd
3 Neythal Road
Jurong Town
Singapore 628570

Telephone No. +65 6261 5033
Fax No. +65 6264 4612
1.4. Emergency telephone number (24 hour) +65 6261 5033
For Poisons Advice telephone For Advice to Doctors & Hospitals only

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Aquatic Acute 1;H400 Very toxic to aquatic life.

2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.

Warning

H400 Very toxic to aquatic life.

[Prevention]:

P273 Avoid release to the environment.

[Response]:

P391 Collect spillage.

[Storage]:

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

2.3. Other hazards

This product contains no PBT/vPvB chemicals.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the Workplace Safety and Health Act.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Propanediol **CAS Number: 0000057-55-6**	**1- <2.5**		**[1]**
Amorphous Silica **CAS Number: 0007631-86-9**	**1- <2.5**		**[1]**
Ammonium hydroxide. **CAS Number: 0001336-21-6**	**<1**	**Skin Corr. 1B;H314** **Aquatic Acute 1;H400**	**[1]**
Zinc pyridinethione **CAS Number: 0013463-41-7**	**<1**	**Acute Tox. 4;H302** **Acute Tox. 1;H330** **Skin Irrit. 2;H315** **Eye Dam. 1;H318** **Aquatic Acute 1;H400**	**[1]**
Terbutryn **CAS Number: 0000886-50-0**	**<1**	**Aquatic Chronic 1;H410**	**[1]**
Zinc oxide **CAS Number: 0001314-13-2**	**<1**	**Aquatic Acute 1;H400** **Aquatic Chronic 1;H410**	**[1][2]**

[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.

*The full texts of the Hazard (H) phrases are shown in Section 16.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence do not require reporting in this section.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation

Not expected to be acutely toxic by inhalation. However product contains some co-solvents that can be moderately toxic.
Inhalation of vapours may cause nose and throat irritation. May also cause nervous system effects such as dizziness, nausea, headache and sleepiness.

Remove to fresh air and keep patient warm and at rest if any effects apparent. If breathing is irregular, or has stopped, administer artificial resuscitation. Give nothing by mouth.

Seek medical attention if any effects persist.

Skin Contact

Prolonged contact with the skin may have a defatting effect leading to irritation and, in some cases, irritant contact dermatitis.

Remove contaminated clothing and launder before re-use. Wash effected areas with soap and water or an industrial skin cleaner.
Seek medical attention if irritation persists.

Eye Contact

Direct eye contact may cause moderate to severe irritation.
The vapour is irritating to the eyes.

Irrigate copiously with clean fresh water for 15 minutes, holding the eyelids apart.
Seek medical attention.

Ingestion

Moderately toxic if swallowed.
Tends to break up into foam if the patient vomits.

If swallowed do NOT induce vomiting due to the hazard of solvent aspiration into the lungs which may cause mild to severe pulmonary injury.
Give a glass of water. Seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

No data available

4.3. Indication of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting measures

5.1. Extinguishing media

This product is combustible.
Material will burn, emitting dense black smoke containing harmful combustion products.
Closed containers may explode when exposed to extreme heat. Keep unopened containers cool with water spray.

Recommended extinguishing media; water spray, foam (large fires) - CO2, powder (small fires). When entering enclosed areas, wear self contained breathing apparatus.

Do not allow contaminants and water from fire fighting to enter drains or water courses.

5.2. Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.
Avoid exposure and use breathing apparatus as appropriate.

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In confined areas wear protective equipment as detailed in Section 8.

6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

6.3. Methods and material for containment and cleaning up

Ventilate area. Contain and collect spillage with non-combustible absorbent materials (eg sand, earth, vermiculite). Transfer to sealed containers for disposal.

Do not allow into drains or water courses.

Dispose of in a chemical waste disposal area in accordance to relevant State and Federal regulations.

7. Handling and storage

7.1. Precautions for safe handling

Handling

Avoid damaging containers. Keep lid on when not in use.
Handlers of this product should wash hands and face prior to meals and smoking.

In Storage

Handle containers carefully to prevent damage and spillage.

Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from the following materials: oxidising agents, strong alkalis, strong acids.

Store in cool, dry area, away from heat, sparks and naked flames.
Keep containers sealed when not in use.

There are no exposure scenarios, see details in section 1.

7.3. Specific end use(s)

Avoid skin and eye contact. Avoid inhalation of vapour. Observe label precautions. Use personal protection equipment as shown in section 8.

Smoking, eating and drinking should be prohibited in all preparation and application areas.

8. Exposure controls and personal protection

8.1. Control parameters

From the listed Exposure Standards for Atmospheric Contaminants given in the Workplace Safety and Health(General Provisions) Regulations.

Material	PEL (Short Term)		PEL (Long Term)		Comments
	ppm	mg/m³	ppm	mg/M3	
Titanium dioxide	**-**	**-**	**-**	**10**	
Zinc oxide	**-**	**-**	**-**	**10**	

(P) Peak exposure limit
(R) Suppliers Recommended Limit
(Sk) There is a risk of absorption through unbroken skin
(Sen) Sensitiser
(Cat1) Category 1 - established human carcinogen
(Cat2) Category 2 - probable human carcinogen
(Cat3) Category 3 - substances suspected of having carcinogenic potential

DNEL/PNEC values

No Data Available

8.2. Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapour below occupational exposure limits suitable respiratory protection must be worn.

Eye Protection

Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

Skin Protection

Wear nitrile or similar chemical resistant gloves to keep skin contact to a minimum.
Refer to the manufacturer's recommendations regarding the suitability of any gloves used.

Other

Wear overalls to keep skin contact to a minimum.

Respiratory Protection

When concentrations exceed the exposure limits shown above workers must wear appropriate approved respirators. Provision of other controls such as exhaust ventilation should be considered if practical.

Thermal hazards

No Data Available

9. Physical and chemical properties

Colour	White Liquid
Odour	Smell of Solvent
Odour threshold	Not Measured
pH	N/A
Melting point / freezing point (°C)	Not Measured
Initial boiling point and boiling range (°C)	
Flash Point (C)	100
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No data available Upper Explosive Limit: No data available
Vapour pressure (Pa)	Not Measured
Vapour Density	Heavier than air.
Specific Gravity	1.27
Solubility in Water	Immiscible
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Autoignition Temperature (C)	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	N/A

9.2. Other information

No further information

10. Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

This product is stable under normal storage and handling conditions (see Section 7). When exposed to high temperatures may produce hazardous decomposition products such as oxides of carbon and nitrogen and smoke.

10.3. Possibility of hazardous reactions

May react exothermically with: oxidising agents, strong alkalis, strong acids.

10.4. Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Keep away from the following materials: oxidising agents, strong alkalis, strong acids.

10.6. Hazardous decomposition products

Fire will produce dense black smoke. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.
Avoid exposure and use breathing apparatus as appropriate.

11. Toxicological information

Acute toxicity

Exposure to solvent vapour concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr
Ammonium hydroxide. - (1336-21-6)	350.00, Rat	Not Available	Not Available	Not Available
Amorphous Silica - (7631-86-9)	5,110.00, Rat	5,000.00, Rabbit	Not Available	Not Available
Propanediol - (57-55-6)	20,000.00, Rat	20,800.00, Rabbit	105.00, Rat	Not Available
Terbutryn - (886-50-0)	2,045.00, Rat	10,200.00, Rabbit	Not Available	8.00, Rat
Zinc oxide - (1314-13-2)	5,000.00, Rat	Not Available	Not Available	2.50, Mouse
Zinc pyridinethione - (13463-41-7)	774.00, Rat	2,000.00, Rat	Not Available	1.03, Rat

Item	Category	Hazard
Acute Toxicity (mouth)	Not Classified	Not Applicable
Acute Toxicity (skin)	Not Classified	Not Applicable
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	Not Classified	Not Applicable
Eye damage/irritation	Not Classified	Not Applicable
Sensitization (respiratory)	Not Classified	Not Applicable

Sensitization (skin)	Not Classified	Not Applicable
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive Toxicity	Not Classified	Not Applicable
Specific target organ systemic toxicity (single exposure)	Not Classified	Not Applicable
Specific target organ systemic Toxicity (repeated exposure)	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

12. Ecological information

12.1. Toxicity

The preparation has been assessed according to the GHS criteria and is classified as dangerous for the environment, using the toxicity data listed below.

There are no data available on the product itself.

The product should not be allowed to enter drains or water courses.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Propanediol - (57-55-6)	710.00, Pimephales promelas	10,000.00, Daphnia magna	Not Available
Amorphous Silica - (7631-86-9)	10,000.00, Danio rerio	10,000.00, Daphnia magna	10,000.00 (72 hr), Scenedesmus subspicatus
Ammonium hydroxide. - (1336-21-6)	15.00, Gambusia affinis	32.00, Daphnia magna	Not Available
Zinc pyridinethione - (13463-41-7)	0.0026, Pimephales promelas	0.0082, Daphnia magna	0.028 (96 hr), Selenastrum capricornutum
Terbutryn - (886-50-0)	0.82, Oncorhynchus mykiss	7.10, Daphnia magna	0.002 (72 hr), Pseudokirchneriella subcapitata
Zinc oxide - (1314-13-2)	1.10, Oncorhynchus mykiss	0.098, Daphnia magna	0.042 (72 hr), Pseudokirchneriella subcapitata

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available

13. Disposal considerations

13.1. Waste treatment methods

Do not allow into drains or watecourses.
As waste regulations vary, use information provided in this data sheet to obtain advice from the local Waste Regulation Authority.

14. Transport information

14.1. UN number		3082
14.2. UN proper shipping name		ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (CONTAINS ZINC OXIDE)
14.3. Transport hazard class(es)		
Road and Rail Transport		CLASS 9, UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (CONTAINS ZINC OXIDE), PG III, HAZCHEM .3Z
IMDG reference :	**Class/Div** 9	**Sub Class**
	Ems	F-A,S-F
ICAO/IATA	**Class** 9	**Sub Class**
14.4. Packing group		III

14.5. Environmental hazards

Road and Rail Transport	Environmentally Hazardous: Yes
IMDG reference :	Marine Pollutant: Yes (Zinc pyridinethione)

14.6. Special precautions for user

No further information

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

15. Regulatory information

This product and all its components complies with the chemical and transport regulations from the country listed in section 1.3.
Other regulatory information specific to the hazardous chemical(s):

None noted.

16. Other information

Zinc oxide (1314-13-2) 1.9 g/l

Zinc pyrithione (13463-41-7) 4.81 g/l

The information on this SDS is based upon the present state of our knowledge and on current laws.
The product should not be used for purposes other than shown in the product data sheet without first obtaining written advice.
It is always the responsibility of the user to take all necessary steps to meet the demands of applicable legislation.

The full text of the phrases appearing in section 3 is:

This SDS is valid for 5 years from the revised date on page 1.
The revision date is in American format (e.g. MM/DD/YY).

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