MATERIAL SAFETY DATA SHEET
YP900B

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER
YP900B

PRODUCT NAME
Self Drying Primer of Ivory White

MANUFACTURER’S NAME
SHANGHAI YOO-POINT CHEMICAL MANUFACTURING CO., LTD,
Shanghai 201706 China

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>% by Weight</th>
<th>CAS Number</th>
<th>Ingredient</th>
<th>Units</th>
<th>Vapor Pressure</th>
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<tbody>
<tr>
<td>10</td>
<td>66742-88-7</td>
<td>White Spirit</td>
<td>ACGIH TLV</td>
<td>100 PPM</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA PEL</td>
<td>100 PPM</td>
</tr>
<tr>
<td>13</td>
<td>64741-65-7</td>
<td>Mineral Spirit</td>
<td>ACGIH TLV</td>
<td>100 PPM</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA PEL</td>
<td>100 PPM</td>
</tr>
<tr>
<td>20</td>
<td>1330-20-7</td>
<td>Xylene-mixed</td>
<td>ACGIH TLV/TWA</td>
<td>100 PPM</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ACGIH TLV/STEL</td>
<td>150 PPM</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA PEL/TWA</td>
<td>100PPM</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA PEL/STEL</td>
<td>150 PPM</td>
</tr>
<tr>
<td>0.2</td>
<td>71-36-3</td>
<td>n-butyl Alcohol</td>
<td>ACGIH TLV/CEILING</td>
<td>50 PPM</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA PEL/CEILING</td>
<td>50 PPM</td>
</tr>
<tr>
<td>20</td>
<td>140807-96-6</td>
<td>Talc</td>
<td>ACGIH TLV</td>
<td>2mg/m3 as Resp.Dust</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA PEL</td>
<td>2mg/m3 as Resp.Dust</td>
</tr>
<tr>
<td>22</td>
<td>13463-67-7</td>
<td>Titanium Dioxide</td>
<td>ACGIH TLV</td>
<td>10mg/m3 as Dust</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA PEL</td>
<td>10mg/m3 Total Dust</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5mg/m3 Respirable Fraction</td>
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</table>
SECTIO 3 — HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

- Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
- Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

SECTION 4 — FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 — FIRE FIGHTING MEASURES

FLASH POINT LELUEL FLAMMABILITY CLASSIFICATION

104 °F PMCC 0.9 6.0 Combustible. Flash above 99 and below 200 °F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

- Closed containers may explode when exposed to extreme heat.
- Application to hot surfaces requires special precautions.
- During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.
Remove with inert absorbent.

SECTION 7 — HANDLING AND STORAGE

STORAGE CATEGORY
DOL Storage Class II

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Contents are COMBUSTIBLE. Keep away from heat and open flame. Consult NFPA Code. Use approved Bonding and Grounding procedures.
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation.
Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.
Wash hands after using.
This coating may contain materials classified as nuisance particulates (listed “as Dust” in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction).

VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.
Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.
When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES
Wear gloves which are recommended by glove supplier for protection against materials in Section 2.
EYE PROTECTION
Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT WEIGHT</td>
<td>1468 g/l</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>1.42</td>
</tr>
<tr>
<td>BOILING POINT</td>
<td>115 – 201 °C</td>
</tr>
<tr>
<td>MELTING POINT</td>
<td>Not Available</td>
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<tr>
<td>VOLATILE VOLUME</td>
<td>78%</td>
</tr>
<tr>
<td>EVAPORATION RATE</td>
<td>Slower than ether</td>
</tr>
<tr>
<td>VAPOR DENSITY</td>
<td>Heavier than air</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>N.A.</td>
</tr>
<tr>
<td>VOLATILE ORGANIC COMPOUNDS</td>
<td></td>
</tr>
<tr>
<td>(VOC Theoretical – As Packaged)</td>
<td></td>
</tr>
<tr>
<td>309g/l Less Water and Federally Exempt Solvents</td>
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</tr>
<tr>
<td>309g/l Emitted VOC</td>
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</tr>
</tbody>
</table>

SECTION 10 — STABILITY AND REACTIVITY

STABILITY — Stable
CONDITIONS TO AVOID
None known.
INCOMPATIBILITY
None known.
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide
HAZARDOUS POLYMERIZATION
Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS
Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.
Cobalt and cobalt compounds are classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is inadequate evidence in humans for its carcinogenicity.
Crystalline Silica (Quartz, Cristobalite) is listed by IARC and NTP. Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer.
IARC’s Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, “No significant exposure to titanium dioxide is thought to occur during
the use of products in which titanium is bound to other materials, such as paint.*

### TOXICOLOGY DATA

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Ingredient</th>
<th>LC50 RAT 4HR</th>
<th>LD50 RAT</th>
<th>LD50 RAT</th>
<th>LC50, Inhalation</th>
<th>LD50, Oral</th>
<th>LD50, Dermall</th>
<th>LC50, Inhalation</th>
<th>LD50, Oral</th>
<th>LD50, Dermall</th>
<th>LC50, Inhalation</th>
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<tbody>
<tr>
<td>66742–88–7</td>
<td>White Spirit</td>
<td></td>
<td></td>
<td>Not Available</td>
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<tr>
<td>64741–65–7</td>
<td>Mineral Spirit</td>
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<tr>
<td>1330–20–7</td>
<td>Xylene-mixed</td>
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<tr>
<td>71–36–3</td>
<td>N-butyl Alcohol</td>
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<td>Not Available</td>
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<td></td>
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<td>140807–96–6</td>
<td>Talc</td>
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<tr>
<td>13463–67–7</td>
<td>Titanium Dioxide</td>
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<td>Not Available</td>
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</tr>
</tbody>
</table>

### SECTION 12 — ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION**

No data available.

### SECTION 13 — DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD**

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

### SECTION 14 — TRANSPORT INFORMATION

**US Ground (DOT)**

May be classified as a Combustible Liquid for U.S. Ground.

UN1263, PAINT, 3, PG III, (ERG#128)

**DOT (Dept of Transportation) Hazardous Substances & Reportable Quantities**
Xylenes (isomers and mixture) 100 lb RQ

Bulk Containers may be shipped as (check reportable quantities):
UN1263, PAINT, COMBUSTIBLE LIQUID, PG III, (ERG#128)

Canada (TDG)
May be classified as a Combustible Liquid for Canadian Ground.
UN1263, PAINT, CLASS 3, PG III, (ERG#128)

IMO
UN1263, PAINT, CLASS 3, PG III, (38 C c.c.), EmS F=E, S=E

SECTION 15 — REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION
CAS No. CHEMICAL/COMPOUND % by WT % Element
Cobalt Compound 0.1 0.02

CALIFORNIA PROPOSITION 65
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION
All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.