

MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION

Sep 29, 2015

Ref msds 00462

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

ESE1000 WATERBOURNE POLYURETHANE GLASS COATING

CORRECT SHIPPING NAME

None Allocated

OTHER NAMES

ESE1000

AVAILABLE COLORS

White High, White Medium, White Low, Metallic, Silver, Clear Gloss

UN NUMBER

None Allocated

CAS NUMBER

None Allocated

DANGEROUS GOODS CLASS

None Allocated

IMO HAZARD CLASS

None Allocated

PACKING GROUP

None Allocated

AS 1940 CLASS

None Allocated

SUBSIDIARY RISK

None Applicable

HAZCHEM CODE

None Allocated

POISONS SCHEDULE

None Allocated

EPG

None Allocated

For Industrial Use Only In Areas Complying With Relevant Regulations

This Product may be one component of a two component system. Both components must be mixed together immediately prior to use.

COMPANY / UNDERTAKING

Jiangmen Jonsinda Trading Company Limited	
River Bank South Road, Daze Town, Xinhua District, Jiangmen City, P.R. China	
Tel: 86-750-680-1198	Fax: 86-750-680-6588
*This following personnel should be contacted depending on the nature of the inquiry	
TECHNICAL MANAGER*	Tel: 86-750-680-1198
PRODUCTION MANAGER*	Tel: 86-750-680-1198

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SECTION 2 – COMPOSITION INFORMATION ON INGREDIENTS

<u>CHEMICAL ENTITY</u>	<u>CAS No.</u>	<u>ANNEX I INDEX No.</u>	<u>EINECS No.</u>	<u>Proportion (% w/w)</u>
Propylene Glycol Mono-Butyl Ether	5131-66-8	603-052-00-8	225-878-4	< 10
Butyl Oxytol	111-76-2	603-001-00-X	Not Available	< 10
Acrylic Copolymer	111-76-2	Not Available	Not Available	10 - 40
Silicon dioxide, chemically prepared	112945-52-5 / 7631-86-9	Not Available	231-545-4	0 - < 10 (depending on gloss)
Titanium Dioxide	13463-57-7	Not Available	236-675-5	0 - < 10 (depending on color)
Water	7732-18-5	Not Available	231-791-2	to 100
			TOTAL	100

SECTION 3 – HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

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

HMIS Codes	
Health	2
Flammability	0
Reactivity	0

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

In a confined area vapors in high concentration may cause headache, nausea or dizziness.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

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.

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SECTION 4 – FIRST AID

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

Not Classified as flammable

Extinguishing media recommended = universal resistant foam – CO2 – powder-water jet.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Avoid breathing vapours by using appropriate respiratory protective equipment. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with local regulations (see section 13).
- Do not allow to enter drains or watercourses.
- Clean preferably with a detergent and avoid use of solvents.
- If the product contaminates lakes, rivers or sewers, inform water authorities in accordance with local regulations.

SECTION 7 – HANDLING AND STORAGE

HANDLING

- DO not open drums in unventilated areas to avoid the concentration of vapors.
- Avoid contact with eyes and prolonged or repeated contact with skin.

STORAGE

- Store between 5°C and 40°C .
- Keep it away from low temperature or frost.

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SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

- Wash hands with soap and water.
- Remove and wash contaminated clothing before reuse.
- Do not take internally.
- Do not get in eyes.
- Avoid prolonged or repeated contact with skin.

PERSONAL PROTECTION

Respiratory protection

Appropriate certified respiratory protection equipment should be selected according to the type of contaminants, following official and manufacturers instructions including proper fitting.

Hand protection

For prolonged or repeated contact, we recommend gloves of the following type: nitrile rubber, neoprene rubber, latex rubber. Barrier cream may help to protect the exposed areas of the skin.

Eye protection

Use safety eyewear designed to protect against splash of liquids.

Skin protection

Personnel should wear protective clothing made of antistatic and fire resistant fibers. All parts of the body should be washed after contact.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT:	8.77 lb/gal	1051 g/l
SPECIFIC GRAVITY:	1.06	
BOILING POINT:	212 - 396°F	100 – 202°C
MELTING POINT:	Not Available	
VOLATILE VOLUME:	74%	
EVAPORATION RATE:	Slower than ether	
VAPOR DENSITY:	Heavier than air	
SOLUBILITY IN WATER:	N.A.	
pH:	8.0	

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical – As Packaged)

2.26 lb/gal	271 g/l	Less Water and Federally Exempt Solvents
0.80 lb/gal	96 g/l	Emitted VOC

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SECTION 10 – STABILITY AND REACTIVITY

The materials will not support combustion unless the water evaporated.

SECTION 11 – TOXICOLOGICAL INFORMATION

- Unlikely to be hazardous by inhalation.
- Unlikely to be hazardous if swallowed.
- Unlikely to cause skin irritation.
- May cause eye irritation.
- There is not information available about long term exposure.

SECTION 12 – ECOLOGICAL INFORMATION

- Do not release to the environment without chemical precipitation/ flocculation.
- The precipitate is not hazardous.

SECTION 13 – DISPOSAL CONSIDERATIONS

- Recycle product where possible.
- Recycle containers where possible, or dispose of in an authorized landfill.
- Contact your state Environment Program for specific recommendations.
- Refer to state Environment Program for specific recommendations.
- Refer to State Land Waste Management Authority. Advise of chemical nature.
- Consult an expert on disposal of any recovered material and ensure conformity to local disposal regulations.
- This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, and natural streams or rivers.
- Do NOT reuse empty containers without commercial cleaning or reconditioning.
- Do NOT pressurise, cut, heat, or weld containers.
- Empty product containers may contain product residue.

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SECTION 14 – TRANSPORT INFORMATION

Not classified as Dangerous Goods for the purpose of transport according to the 2015 IATA Dangerous Goods Regulations 56TH edition.

Refer to relevant regulations for storage and transport requirements.

DOT

Not Regulated

IATA

Not Regulated

UN NUMBER

None Allocated

AICS STATUS

All components listed

DANGEROUS GOODS CLASS

None Allocated

PACKAGING GROUP

None Allocated

SUBSIDIARY RISK

Not Applicable

POISONS SCHEDULE

None Allocated

STORAGE TEMPERATURE (°C)

Ambient

LOADING/ UNLOADING TEMPERATURE (°C)

Ambient

STORAGE/ TRANSPORTATION PRESSURE (kPa)

Atmospheric

ELECTROSTATIC ACCUMULATION HAZARD

Use proper grounding procedure

USUAL SHIPPING CONTAINERS

Close/ open head drums, pails.

MATERIALS AND COATINGS SUITABLE

Polyethylene/ Polypropylene/ Lined Steel/ Stainless Steel

TDG

Not Regulated

IMDG

Not Regulated

CAS NUMBER

None Allocated

IMO HAZARD CLASS

None Allocated

AS 1940 CLASS

None Allocated

HAZCHEM CODE

None Allocated

EPG

None Allocated

TRANSPORT TEMPERATURE (°C)

Ambient

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SECTION 15 – REGULATORY INFORMATION

Not classified as hazardous to users.

SECTION 16 – OTHER INFORMATION

The information contained in this data sheet is based on present scientific and technical knowledge.

The purpose of this information is to draw attention to the health and safety aspects concerning the products, and to recommend precautionary measures for the storage and handling of the products.

The suggested precautionary measures are the minimum precautions that must be maintained during transportation, storage and application of the products.

No warranty or guarantee is given in respect of the properties of the products.

No liability can be accepted for any failure to observe the precautionary measure described in this data sheet or any misuse of the products.