

# MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION

Sep 29, 2015

Ref msds 00463

## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME**

ESE1111 WATERBOURNE GLASS ADHESIVE ADDITIVE

**CORRECT SHIPPING NAME**

None Allocated

**OTHER NAMES**

ESE1111

**AVAILABLE COLORS**

Clear Only

**UN NUMBER**

None Allocated

**CAS NUMBER**

None Allocated

**DANGEROUS GOODS CLASS**

None Allocated

**IMO HAZARD CLASS**

None Allocated

**PACKING FROUP**

None Allocated

**SUBSIDIARY RISK**

None Applicable

**SUSDP**

S6

**AS 1940 CLASS**

None Allocated

**HAZCHEM CODE**

None Allocated

**EPG**

None Allocated

## 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

## SECTION 2 – COMPOSTION 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>
ORGANO SILANCE ESTER	2530-83-8	Not Available	Not Available	20 - 50
Butyl Oxytol	111-76-2	603-001-00-X	200-659-6	10
Butyl Dioxytol	112-34-5	603-014-00-0	203-905-0	40
			<b>TOTAL</b>	<b>100</b>

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## SECTION 3 – HAZARDS IDENTIFICATION

### CLASSIFICATION AND LABELLING ACCORDING TO NOHSC CODES

**CLASSIFICATION/ SYMBOL:** Not applicable

**CLASSIFICATION/ SYMBOL:** HARMFUL/ Xn – IRRITANT/ Xi

**GOVERNING DIRECTIVE:** National Code of Practice for the Labelling of Hazardous Substances

### HAZARDS IDENTIFICATION

<b>R20/21/22</b>	Harmful in contact with skin, by inhalation and if swallowed
<b>R36/38</b>	Irritating to eyes and skin
<b>R37</b>	Irritating to respiratory system
<b>R41</b>	Risk of serious damage to eyes
<b>R43</b>	May cause sensitization by skin contact
<b>R66</b>	Repeated exposure may cause skin dryness or cracking
<b>R67</b>	Vapours may cause drowsiness and dizziness

### SAFETY ADVICE

<b>S2</b>	Keep out of the reach of children
<b>S09</b>	Keep container in a well ventilated place
<b>S20/21</b>	Do not eat, drink or smoke when using
<b>S23</b>	Do not breath gas/ fumes/ vapour/ spray
<b>S24/25</b>	Avoid contact with skin and eyes
<b>S26</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
<b>S28</b>	Wash off immediately with soap and plenty of water
<b>S29</b>	Do not empty into drains
<b>S36/37/39</b>	Wear suitable protective clothing, gloves and eye/face protection
<b>S51</b>	Use only in well ventilated areas
<b>S43B</b>	In case of fire use sand, earth, chemical powder or alcohol type foam
<b>S45</b>	In case of accident or if you feel unwell, seek medical advice immediately(show the label whenever possible)
<b>S46</b>	If swallowed, seek medical advice immediately and show this container or label

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## SECTION 4 – FIRST AID

**Poison Information Centers in each State capital city can provide additional assistance for scheduled poisons.**

### SWALLOWED

- Thoroughly rinse mouth out with plenty of water and give water to drink to dilute the chemical.
- Never give anything by mouth to an unconscious person.
- If swallowed, do NOT induce vomiting due to hazard of aspiration into the lungs which may cause mild to severe pulmonary injury and possibly death.
- Should vomiting occur, place patient's head downwards, head lower than hips, to prevent vomit entering the lungs.
- Call a doctor and/or transport to an emergency facility or hospital IMMEDIATELY.

### EYE

- Immediately and continuously irrigate with copious quantities of fresh, low pressure, running water for at least 15 minutes.
- Eyelids should be held open.
- Ensure irrigation under the eyelids by occasionally lifting upper and lower lids.
- Remove any contaminated clothing and flush area with water until irritation subsides.
- If easy to do so, remove contact lenses.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
- Seek IMMEDIATE medical attention.

### SKIN

- Immediately soak contaminated clothing, including footwear, with water and then remove.
- Gently wash the affected areas thoroughly with water, then mild soap and water.
- If exposure has been prolonged or severe or of swelling, redness or irritation occur seek medical advice.
- Launder dry contaminated clothing shoes before re-use.
- Thoroughly dry contaminated shoes before re-use.
- Discard internally contaminated gloves and footwear.

### INHALED

- If fumes or combustion products are inhaled:-
- Remove affected person(s) to fresh air, taking care not to become affected yourself.
- Remove any contaminated clothing and loosen remaining clothing.
- If breathing is normal, allow the patient to assume the most conformable position and keep warm.
- Keep at rest until fully recovered.
- If breathing has stopped, commence Expired Air Resuscitation (E.A.R.)
- In the event of cardiac arrest, commence Cardio-Pulmonary Resuscitation (C.P.R.)
- For all but the most minor symptoms, seek IMMEDIATE medical attention or transport to hospital, or doctor, without delay.

### FIRST AID FACILITIES

Facilities storing or utilizing this material should be equipped with an eyewash facility.

### ADVICE TO DOCTOR

- Treat Symptomatically.
- Principal routes of exposure are skin contact/ absorption and inhalation of the vapor/ spray mist.
- Onset of symptoms may be delayed several hours after exposure.

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- Primary Threat to life form ingestion and/or inhalation, is respiratory failure.
- Extreme care must be taken to prevent aspiration. Material if aspirated into lungs may cause chemical pneumonitis.
- Gastric lavage with a cuffed endotracheal tube to prevent further aspiration should be done.
- In the absence of depression or convulsions, or impaired gag-reflex, ipetic emesis can also be done without increasing the hazard of aspiration.
- When vomiting occurs, hold patient with head below the hips to prevent pulmonary aspiration.

## 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.

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## 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.

## 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.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	: Clear, yellowish, colored, low viscosity liquid
<b>ODOR</b>	: Slight, mild odor
<b>pH VALUE</b>	: No data
<b>VAPOR PRESSURE (@20°C)</b>	: <0.1 kPa mm Hg (2-Butoxyethanol)
<b>RELATIVE VAPOR DENSITY</b>	: 4.1 – 4.8 (Air = 1) (2-Butoxyethanol)
<b>BOILING POINT (°C)</b>	: 168 - 173°C (2-Butoxyethanol)
<b>FREEZING POINT (°C)</b>	: -65°C
<b>SOLUBILITY IN WATER (% weight)</b>	: Miscible (silane ester reacts slowly with water to form Methanol)
<b>SPECIFIC GRAVITY (@25°C)</b>	: 0.979±0.003 g/cm <sup>3</sup> (Water=1)
<b>FLASH POINT (°C)</b>	: 68°C (Closed Cup) (2-Butoxyethanol)
<b>EXPLOSIVE LIMITED (% volume)</b>	: LEL : 1.1 UEL: 10.6 (2-Butoxyethanol)
<b>AUTOIGNITION TEMPERATURE</b>	: 230°C
<b>VOC CONTENT (°C)</b>	: 490±5.0 gm/Liter
<b>EVAPORATION RATE</b>	: 0.08 (Butyl Acetate =1) (2-Butoxyethanol)
<b>% VOLATILES (by volume)</b>	: 54.5±2.5.0% (Depending on color & gloss)

## SECTION 10 – STABILITY AND REACTIVITY

The materials will not support combustion unless the water evaporated.

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## 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 56<sup>TH</sup> 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

### **SUSDP**

S6

### **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.