



# Material Safety Data Sheet

( This MSDS is prepared pursuant to the provision of Article 41 of the Industrial Safety and Health Law. )

## 1. PRODUCT AND COMPANY IDENTIFICATION

A. Product Name : **AECO UR BOND**

· Product Code : AD-0010 UR BOND

B. Recommended use of the chemical and restrictions on use

· Recommended use : Fabric Screen printing inks additive

· Restrictions on use : no data available

C. Company Details

· Manufacturer/Supplier : Aone Co., Ltd

· Address : 14-4, Woogo-Ri, Kwang Jeok-Myun, Yangju-Si, Kyunggi-Do, Korea

· Telephone Number : +82-31-878-9295/6

· Fax Number : +82-31-878-9207

D. Date Revised : June, 20, 2013

E. MSDS Number : #150-5

## 2. HAZARDS IDENTIFICATION

A. Hazard/Risk Classification

· Hazardous to Aquatic Environment : Category 4

· Eye Irritation : Category 2

· Skin Corrosion/ Irritation : Category 2

· Respiratory Sensitization : Category 1

· Skin Sensitization : Category 1

· Carcinogenicity : Category 2

· Specific Target Organ Toxicity (Single Exposure) : Category 2

· Specific Target Organ Toxicity (Repeated Exposure) : Category 1

B. Label elements including precautionary statements

· Symbol :



· Signal Word : Danger

· Hazard/Risk Statement :

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H351 Suspected of causing cancer.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H413 May cause long lasting harmful effects to aquatic life.

· Precautionary Statement

- Prevention :

- P201 Obtain special instructions before use.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash ... thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

- Response :

- P305+P351+P338 IF IN CLOTHING : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do . Continue rinsing.
- P337+P313 If eye irritation persists : Get medical advice/attention.
- P307+P311 IF exposed : Call a POISON CENTER or doctor/physician.
- P308+P313 IF exposed or concerned : Get medical advice/attention.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P332+P313 If skin irritation occurs : Get medical advice/attention.

- Storage :

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

- Disposal : P501 Dispose of contents/ container to ...

C. Other Hazard/Risk which are not included in the classification criteria(e.g. dust explosion hazard) :

- NFPA : HEALTH=no data, FIRE=no data, REACTIVITY=no data

### 3. COMPOSITON/ INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Wt(%)
Alkyl sulfonic acid ester of phenol	None	-

#### **4 . FIRST AID MEASURES**

- A. Eyes : Flush eyes gently with water for at least 15 minutes while holding eyelids apart. If symptoms persist, seek medical attention.
- B. Skin : Wash immediately with soap and water. Sticky residues may be removed with rubbing alcohol. If symptoms persist, seek medical attention.
- C. Inhalation : If symptoms develop, move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.
- D. Ingestion : Give individual two glasses of milk or water to drink. If symptoms persist, seek medical attention.

#### **5. FIRE FIGHTING MEASURES**

- A. Flash point (°C) : No Data.
- B. Extinguishing Media : regular foam, carbon dioxide, dry chemical.
- C. Unsuitable extinguishing media : none known.
- D. Special exposure hazards : in case of fire/or explosion do not breathe fumes.
- E. Hazardous decomposition/combustion products : Emits toxic fumes under fire conditions.
- F. Fire Fighting Instructions :
  - ▶ Wear self-contained breathing apparatus. Water may not be effective in fighting fires; however, it may be used to cool drums involved in fire.

#### **6. ACCIDENTAL RELEASE MEASURES**

- A. Personal Precautions
  - ▶ Wear a NIOSH approved (or equivalent) respirator (with organic vapor/acid gas cartridge and a dust/mist filter) during spill clean-ups and deactivation of this material. Protective clothing, including chemical splash goggles, nitrile or butyl rubber full length gloves, rubber apron, or clothing made of nitrile or butyl rubber, and rubber overshoes must be worn during spill clean-ups and deactivation of this material.
- B. Environmental precautions
  - ▶ Clean up with inert absorbent material and place into a separate waste container.
- C. Methods for cleaning up
  - ▶ Collect as much as possible in a clean container for (preferable) reuse or disposal.

#### **7. HANDLING AND STORAGE**

- A. Handling : Keep away from heat, sparks and open flame. Keep container closed when not in use. Use with adequate ventilation. Since emptied containers contain product residue, follow level warnings after container is emptied.
- B. Storage : Normal temperature and normal pressure .Keep container Sealed.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- A. Engineering controls : Use local exhaust to maintain vapors below PEL limits.  
Exercise good chemical handling practice.
- B. Personal Protection : Wear splash-proof goggles and rubber or vinyl gloves.
- C. Respirator : A self-contained breathing apparatus or OSHA approved organic vapor mask is recommended if handling material in areas with concentrations above the PEL.
- D. Protective Clothing : Not normally required.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

- A. Form : liquid
- B. Appearance : Yellowish Viscous liquid
- C. Color : Yellowish
- D. Odor : Normal for a Resin product
- E. PH : No data
- F. Solubility : No data
- G. Viscosity : Max 2500 cps (at 25°C)
- H. Molecular weight : No data
- I. Flash point : No data
- J. Explosive properties : No data
- K. Explosion limit : No data
- L. Oxidizing properties : not determined
- M. Vapour pressure : 2,400 Pa at 25°C (n-Butyl acetate)
- N. Density : > 1.00at 25°C

## **10. STABILITY AND REACTIVITY**

- A. Stability Hazardous polymerization
  - ▶ This product is stable. Hazardous polymerization will not occur.
- B. Notes : No Additional Information.
- C. Conditions to avoid : None known.
- D. Incompatibility with other materials : Avoid strong acids and oxidizing agents.
- E. Hazardous decomposition products
  - ▶ Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide.
- F. Additional reactivity / stability information : None known.

## **11. TOXICOLOGICAL INFORMATION**

- A. Acute oral toxicity : No data
- B. Dermal toxicity : No data
- C. Dermal irritancy : No data

D. Ocular irritancy : No data

## **12. ECOLOGICAL INFORMATION**

No data available.

## **13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all local, state and federal regulations. Incineration is the preferred method of disposal.

## **14. TRANSPORT INFORMATION**

A. UN No. : No classification

B. UN proper shipping name : N/A

C. Transport hazard class : N/A

D. Packing group (if applicable) : N/A

E. Marine pollution (yes/no) : N/A

F. Other International Transportation Regulations

·Air Transport (IATA-DGR) : Not subject to IATA-DGR regulations.

G. Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises : N/A

## **15. REGULATORY INFORMATION**

A. Industrial Safety and Health Act : N/A

B. Toxic Chemical Control Act : N/A

C. Dangerous Material Safety Control Act : N/A

D. Wastes Management Act : N/A

E. Other requirements in domestic and other countries : N/A

## **16. OTHER INFORMATION**

- These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.