



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 : **AT-3600 WHITE**

· Product Code : AT-3600

B. Recommended use of the chemical and restrictions on use

· Recommended use : Fabric Screen printing inks

· 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 : #401-2

2. HAZARDS IDENTIFICATION

A. Classification:

Reproductive toxicity : 1B

Specific target organ toxicity(Single exposure) : 2

Specific target organ toxicity(Repeated exposure) : 2

B. Label element, including precautionary statements

1) Symbols:



2) Signal word(s): Danger

3) Hazard statement(s):

- H360 May damage fertility or the unborn child
- H371 May cause damage to organs
- H373 May cause damage to organs through prolonged or repeated exposure.

4) Precautionary statement(s):

- Prevention
 - P201: Obtain special instructions before use.
 - P202: Do not handle until all safety precautions have been read and understood.
 - P281: Use personal protective equipment as required.

- 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.

- Response

- P308+P313: IF exposed or concerned: Get medical advice/attention.
- P309+P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
- P314: Get medical advice/attention if you feel unwell.

- Storage

- 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):

No data

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Wt(%)
Acrylate Copolymer	-	45 - 55
Ethylene glycol	107-21-1	5 – 10
Titanium Dioxide	1317-80-2	20- 30
Water	7732-18-5	15 - 30

4 . FIRST AID MEASURES

A. Description of first and measures

1) Inhalation : Move to fresh air.

If symptoms persist, call a physician.

2) Eye contact : Rinse immediately with plenty of water for at least 15 minutes.

3) Skin contact : Wash off with soap and plenty of water.

If eye irritation persists, consult a specialist.

4) Ingestion : immediately give plenty of water (if possible charcoal slurry) If a person vomits when

Lying on his back, place him in the recovery position.

Oxygen or artificial respiration if needed.

Do not induce vomiting.

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

C. Indication of immediate medical attention and special treatment needed.

5. FIRE FIGHTING MEASURES

A. Extinguishing Medium

- 1) Suitable Extinguishing Media : Water spray, Carbon dioxide(CO₂), Foam, Dry powder.
- 2) Extinguishing media : No data.

B. Special hazards arising from the substance or mixture

Fullface Self-contained breathing apparatus(SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

C. Precautions for fire-fighters

- 1) Equipment for fire-fighters : Protective suit

D. Further information : Burning produces obnoxious and toxic fumes Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

A. Personal Protection

Avoid inhalation or contact of spilled with skin or clothing. Wear proactive equipment including rubber gloves, and eye protection. Keep unprotected persons away.

B.Environmental Protections

Take precaution to ensure product does not contaminate the ground or enter the drainage system.

C. Collection

Mix with vermiculite or proprietary absorbent material and transfer to sealed containers for disposal.

7. HANDLING AND STORAGE

A.Handling

Chemicals should be used only by those trained in handling potentially hazardous materials. Rubber gloves, eye protection and protective clothing should be worn. Operation should be carried out in an efficient fume hood or equipment system.

B.Storage

Store in tightly sealed containers in a cool place. Product is hygroscopic. Take precautions to avoid contact with atmospheric moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

A. Respiratory

Avoid inhalation of product. Handle in an efficient fume hood or equipment system.

B. Eye

Avoid eye contact, Wear safety spectacles, goggles or, for larger quantities, a full face mask.

C. Hand and Body

Severe irritant. Avoid skin contact. Wear rubber gloves, protective clothing and, for larger quantities, full arm, body and face protection. Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

- A. Appearance From : White paste
- B. Odor : Slight odor
- C. pH : No data
- D. Melting point/range : Not available
- E. Initial boiling point and boiling range : Not available
- F. Flash point : Not available
- G. Evaporation rate : No data
- H. Flammability : Not available
- I. Upper/lower flammability or explosive limit : Not available
- J. Vapour pressure : No data
- K. Vapour density : No data
- L. Water solubility : Soluble
- M. Partition coefficient : No data
- N. Auto ignition temperature : No data
- O. Decomposition temperature : No data
- P. Viscosity : 100,000 cps/25°C (Brookfield)
- Q. Explosive properties : No data
- R. Oxidizing properties : No data

10. STABILITY AND REACTIVITY

- A. Chemical stability : Material is stable under normal conditions
- B. Possibility of hazardous reactions : Not expected to occur
- C. Conditions to avoid
 - 1) Conditions to avoid - Note :Take necessary action to avoid static electricity discharge.
 - 2) Materials to avoid : Stroge acids and strong bases.
Strong oxidizing agents.
- D. Incompatible materials
 - Hazardous decomposition Carbon oxides. Burning produces obnoxious and toxic fumes.
- E. Hazardous decomposition products : No data

11. TOXICOLOGICAL INFORMATION

- A. Irritation data : No data
- B. Toxicity data : No data
- C. Local effects : No data
- D. Acute toxicity level : No data

12. ECOLOGICAL INFORMATION

- A. Toxicity : No data
- B. Persistence and degradability : No data
- C. Bio accumulative potential : No data
- D. Mobility in soil : No data
- E. Other adverse effects : No data

13. DISPOSAL CONSIDERATIONS

- A. Disposal

Disposal should be via an approved contractor and should take full account of local regulations.

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. Safety, health and environmental regulations : No data

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.