

## Material Safety Data Sheet

According to 91/155 EEC

Printing date 04.04.2007

Reviewed on 03.04.2007

### 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** UPX 8400 PART A, AK
- **Application of the substance / the preparation** Polyurethane resin
- **Manufacturer/Supplier:**  
AXSON TECHNOLOGIES (SHANGHAI) CO., LTD.  
No.53, Taigu Road, WaiGaoQiao Free Trade Zone,  
Shanghai, 200131, CHINA  
Tel. (0086)21 5868 3037
- **Further information obtainable from:** LAB. R&D -(0086)21 5868 3037
- **Information in case of emergency:** (0086)21 5868 3037

### 2 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Formulated polyol
- **Dangerous components:** None

### 3 Hazards identification

- **Hazard description:** Slightly irritating to eyes.
- **Information concerning particular hazards for human and environment:**  
Not applicable.

### 4 First-aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
In case of fire, the following can be released:  
Carbon monoxide (CO)
- **Protective equipment:** Wear self-contained respiratory protective device.

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- **Additional information**

*Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.*

### 6 Accidental release measures

- **Person-related safety precautions:**

*Wear protective equipment. Keep unprotected persons away.*

- **Measures for environmental protection:**

*Do not allow product to reach sewage system or any water course.*

- **Measures for cleaning/collecting:**

*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

*Dispose contaminated material as waste according to item 13.*

### 7 Handling and storage

- **Handling:**

- **Information for safe handling:**

*Inform personnel of risks associated with the product, the precautions to be taken and procedures to follow where an accident occurs.*

- **Information about fire - and explosion protection:** *Protect from heat.*

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

*Use only receptacles specifically permitted for this substance/product.*

- **Information about storage in one common storage facility:** *Store away from foodstuffs.*

- **Further information about storage conditions:**

*Keep receptacle tightly sealed.*

*Protect from humidity and water.*

*This product is hygroscopic.*

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** *No further data; see item 7.*

- **Ingredients with limit values that require monitoring at the workplace:**

*The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*

- **Personal protective equipment:**

- **General protective and hygienic measures:**

*The usual precautionary measures are to be adhered to when handling chemicals.*

*Immediately remove all soiled and contaminated clothing*

*Wash hands before breaks and at the end of work.*

- **Respiratory protection:** *Not necessary if room is well-ventilated.*

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· **Protection of hands:**



Protective gloves

· **Material of gloves** PVC gloves

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Safety glasses

Tightly sealed goggles

· **Body protection:** Protective work clothing

### 9 Physical and chemical properties

· **General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	A=Colorless; AK=Black
<b>Odour:</b>	Characteristic

· **Change in condition**

**Melting point/Melting range:** NA°C

- **Flash point:** > 110°C
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C:** 1.05 g/cm<sup>3</sup>
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **organic solvents:** Soluble in many organic solvents.
- **pH-value at 20°C:** NA

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions** Reacts with oxidizing agents.
- **Dangerous decomposition products:** No dangerous decomposition products known.

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### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

### 12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is difficultly biodegradable.
- **General notes:** At present there are no ecotoxicological assessments.

### 13 Disposal considerations

- **Product:**
- **Recommendation**

Dispose of the product by burning in a suitable incinerator or bury in an approved landfill following all applicable local and/or national regulations.
- **Uncleaned packaging:**
- **Recommendation:**

Empty containers may not be disposed of unless any remaining material adhering to the internal walls has been removed.  
Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Transport/Additional information:**

Not dangerous according to the above specifications.

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### **15 Regulatory information**

· **Labelling according to EU guidelines:**

*Observe the general safety regulations when handling chemicals.*

*The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).*

· **National regulations:**

· **Waterhazard class:**

*Water hazard class 1 (Self-assessment): slightly hazardous for water.*

### **16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Department issuing MSDS: Product Safety and Toxicology**

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