

## MATERIAL SAFETY DATA SHEET

**EXPOL PH 400**

MSDS Issue Date : 25.06.2011  
Revision : 01  
Revision Date : 25.06.2019

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING:

**Product Name**

EXPOL PH 400

**Use of the Substance / Preparation**

Raw Material for Polyurethane Foam Production

**Company / Undertaking Details**

Expanded Polymer Systems Pvt. Ltd.  
C-44/1, T.T.C. Area, M.I.D.C.,  
Pawne Village, Vashi,  
Navi Mumbai – 400 705

**Emergency Contact Numbers**

0091 (22) 30914300

### 2. COMPOSITION / INFORMATION ON INGREDIENTS:

**Ingredients**

Mainly a condensation product of anhydride and diol  
Mainly a reaction product of CAS No. 85-44-9 and CAS No. 111-46-6

**Other Ingredients Data**

Nil

### 3. HAZARDS IDENTIFICATION:

Non Hazardous

### 4. FIRST AID MEADURES:

**Eye**

Flush eyes with plenty of water. Consult Medical Personnel.

**Skin**

Wash off in flowing water or shower. Remove contaminated clothing.

**Inhaled**

Remove to fresh air, if effects occur. Consult medical personnel.

**Swallowed**

Induce vomiting if large amounts swallowed. Consult medical personnel.

**Advice to Doctor**

No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

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## 5. FIRE FIGHTING MEASURES:

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### **Extinguishing media**

Water fog, alcohol foam, carbon dioxide, and dry chemical.

### **Hazardous Combustion Products**

Carbon oxides. Incomplete combustion may lead to the build-up of toxic pyrolysis products.

### **Fire /Explosion Hazard**

Will support combustion. No known explosion limits. Do not breathe smoke of burning product.

### **Fire Fighting equipment**

Wear fire fighting equipment.

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## 6. ACCIDENTAL RELEASE MEASURES:

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### **Personal Protection**

Wear adequate personal protective equipment.

### **Environment**

Avoid contaminating waterways, drains or sewers, product is soluble in water, then transfer into closed containers.

### **Methods of Cleaning Up**

Spills should be contained by, and covered with large quantities of sand, earth or any other readily available absorbent material which is then brushed in vigorously to assist absorption. The mixture can then be collected into drums and removed for disposal. Wash area from residues with soap and water and rinse down.

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## 7. HANDLING AND STORAGE:

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### **Handling**

Normal precautions should be followed in handling and use.

### **Storage**

Keep container tightly closed; product is hygroscopic.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

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### **Exposure Standards**

None established

### **Engineering Controls**

Good general ventilation should be sufficient for most conditions.

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## Personal Protective Equipment

### Respiratory Protection

For most conditions, no respiratory protection is needed.

### Skin Protection

Use gloves impervious to this material. Wear clean, long sleeved, body-covering clothes. After work and before eating, drinking or smoking wash and clean yourself carefully with soap and water.

### Eye / Face Protection

Use Safety glasses.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

<b>Appearance</b>	translucent
Boiling Range	Not Applicable
Viscosity @ 25 °C	3600 cP
Flash Point	Above 200 °C
Flammability Limits	Not Determined

## 10. STABILITY AND REACTIVITY:

### Stability

Stable under normal handling and storage conditions but hygroscopic.

### Incompatibility (Specific materials to avoid)

Avoid oxidizing materials and strong acids

### Hazardous decomposition products

None under normal condition of storage and use.

## 11. TOXICOLOGICAL INFORMATION:

Acute toxicity

### Skin Contact

Essentially non-irritating to skin.

### Inhalation

Not expected to present a significant hazard due to physical properties.

### Eye Contact

May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.

## 12. ECOLOGICAL INFORMATION:

Assessment largely or completely based on data for similar material(s).

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## **Mobility and Bioaccumulation Potential**

No appreciable volatilization from water to air is expected.

## **Degradation**

Material is expected to degrade only slowly in the environment.

## **Aquatic Toxicity**

Material is practically non toxic to fish on an acute basis.

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## **13. DISPOSAL CONSIDERATIONS:**

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### **Action to take for spills/leak:**

Spills should be collected to prevent contamination of waterways, drains or sewers.

### **Disposal method:**

Burn in approved incinerator according to applicable state and/or local government regulations.  
Do not dispose off waste product in a landfill due to solubility of the polyol.

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## **14. TRANSPORT INFORMATION:**

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### **Storage and Transport:**

This product is not classified as a dangerous good. Avoid heat above 50 °C, keep separated from foodstuffs. Storage in accordance with regulations applicable for a combustible liquid.

### **As Per AITA (Air Transportation):**

UN No. : Not Applicable

UN Class : Not applicable

UN Packing Group : Not applicable

### **Packaging and Labeling:**

No regulatory requirement.

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## **15. REGULATORY INFORMATION:**

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This product does not require classification.

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## **16. OTHER INFORMATION:**

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No other information.

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