

## MATERIAL SAFETY DATA SHEET

**EXPOL PE-380**

MSDS Issue Date : 01-01-2008  
Revision : 00  
Revision Date : 01-01-2008

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

**Product Name**

EXPOL PE-380

**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) 2767 0838 / 39, 2768 0303 / 0404

### 2. COMPOSITION / INFORMATION ON INGREDIENTS:

**Ingredients**

Aliphatic diols, & Aromatic dicarboxylic Acid

**Other Ingredients Data**

Nil

### 3. HAZARDS IDENTIFICATION:

Non Hazardous

### 4. FIRST AID MEASURES:

**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:

Appearance	Clear, viscous liquid
Boiling Range	Not Applicable
Specific Gravity at 25°C	1.09 ± 0.02
Viscosity at 25°C	1800 ± 300 cps
Flash Point	Above 200°C
Flammability Limits	Not Determined

### Other Physical Data

Solubility in Water Soluble, based on similar polyol solubility, is greater than 10000 mg/lit.

## 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:

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

## **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.

### **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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