

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **POLYHEED® 709R**

Company: BASF South East Asia Pte Ltd  
Address: 33 Tuas Avenue 11  
Singapore 639090

Telephone number: +65 6861 6766  
Facsimile: +65 6861 3186

Emergency telephone numbers: +65 6861 6766

### 2. HAZARDS IDENTIFICATION

Safety hazards: Not known.  
Health hazards: May cause eye irritant and skin irritant.  
Environmental hazards: See section 12.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Aqueous preparation of lignosulphonate derivatives.

Hazardous Ingredients: n.a.  
CAS No: n.a.  
Hazard symbols: n.a.  
R-phrases: n.a.  
% Concentration: n.a.

### 4. FIRST AID MEASURES

Ingestion: Drink water and induce vomiting. Obtain immediate medical advice.

Eyes: While holding eyes open, gently flood with plenty of fresh water for 15 minutes. If irritation persists or recurs seek immediate medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.

Skin: Wash contacted area thoroughly with soap and plenty of water. Seek medical attention in event of irritation.

Inhalation: n.a.

First aid facilities: Ensure availability of clean water for eye/skin wash.  
Advice to doctor: Treat symptomatically.

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### 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: For residual solids, use water spray, CO<sub>2</sub>, dry chemical or universal type foams.

Hazards from combustion products: None. Product will not burn.

Precautions and equipment for fire fighters: Eye protection required.

### 6. ACCIDENTAL RELEASE MEASURES

Methods for clean up / collecting: Caution slippery when spilt. Stop leak if possible without risk.  
Wash down with excess water.

Environmental precautions: May be flushed to sewer if local regulations permit.

Personal precautions: Eye protection and skin protection required.

### 7. HANDLING AND STORAGE

#### Conditions for safe storage

Location: Store in a cool dry area. Keep containers closed.

Temperature conditions: 5 to 35°C

Protection from weather: Store undercover and away from frost.

Storage incompatibilities: n.d.

Additional information: Recommended shelf life in unopened containers 12 months.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards: Not available

Engineering controls: Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Personal Protective Equipment This product is not classified as hazardous, so PPE is not normally essential. However, it is generally recommended that contact with any chemical be kept to a minimum. Following is a guide to suggested PPE that may be utilised for handling this product.

Respiratory protection: Not normally applicable. Avoid mists.

Glove type (AS2161): Protective gloves or suitable barrier cream recommended.

Eye protection: Wear safety glasses, which comply with local standards.

Clothing: n.a.

Other: Use barrier creams to protect skin from contact with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid.
Colour:	Brown.
Odour:	Characteristic smell of lignin.
Freezing temperature (°C):	n.d.
Boiling point (°C):	n.d.
Melting point (°C):	n.a.
Vapour pressure:	n.a.
Vapour density:	n.a.
Specific gravity:	Approx. 1.185
Flash point (°C):	n.a. (aqueous)
Flammability limits (%):	UEL – n.a. LEL – n.a.
Solubility in water:	n.a.
pH:	7.5 – 9.0
Partition coefficient:	n.a.
Viscosity:	n.a.

### 10. STABILITY AND REACTIVITY

Hazard of use/storage:	Stable under normal storage and application temperature.
Hazardous reactions (conditions to avoid):	Freezing.
Materials to avoid:	n.a.
Hazardous decomposition products:	n.d.

### 11. TOXICOLOGICAL INFORMATION

#### Acute

Ingestion:	n.d.
Eye:	n.d.
Skin:	n.d.
Inhalation:	n.d.

#### Chronic:

There have been no reports in the literature of health effects in workers arising from long term exposure to this material and no comprehensive human studies have been conducted.

### 12. ECOLOGICAL INFORMATION

Ecology:	n.d.
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### 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

State/Territory authority:	Dispose in approved method for industrial waste in accordance with local legislation requirements.
Dispose – Secure landfill:	Yes.
Dispose – High temp incinerator:	No
Precautions for clean up crew:	Nitrile rubber or PVC gauntlets.

### 14. TRANSPORT INFORMATION

UN number:	n.a.
Dangerous goods class:	n.a.
EPG card:	n.a.
Shipping name:	n.a.
Packing group:	n.a.
Poisons schedule:	n.a.
Hazchem code:	n.a.

### 15. REGULATORY INFORMATION

Classification:	Non-hazardous.
Hazard labels:	None required.
Risk phrase(s):	n.a.
Safety phrase(s):	n.a.

### 16. OTHER INFORMATION

Product should be stored on site in leak proof and rupture proof containers.

#### Key:

n.a. = not applicable

n.as. = not assigned

n.d. = no data

Reason for Issue: New format based on National Code of Practice for the preparation of MSDS – 2<sup>nd</sup> edition [NOHSC:2011(2003)]. Change of company name.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.