

# MATERIAL SAFETY DATA SHEET

## 1. Material / Preparation and company name

### 1.1. Identification of substance or preparation

Trade name or designation of mixture

### PUROLEX PRC107E

Sodium polystyrene sulphonate

### 1.2. Use of the substance / preparation

Ion exchange, Adsorbent, and/or catalyst

### 1.3. Company undertaking Identification

Advice technical , Neoktista, Aspropyrgos 19 300, Greece,

Tel.: +30-210-5593416

Fax: +30-210-5593417

Name of manufacturer:

Martin (HK) International Limited (China)

No.102, Building 5, Shenglong rd, Jiu Ting SongJiang distr.,  
Shanghai, China, PC: 201615

Tel. +86-21-37820670

Fax.+86-21-27820673

[www.mhkintl.com](http://www.mhkintl.com)

## 2. Hazards identification

WARNING! Contact with eyes: causes eye irritation

This mixture is not classified as dangerous according to  
Directive 1999/45/EC

## 3. Composition / information on ingredients

Ingredient	Concentration	CAS Number	Hazard Statement	R Phrases	Hazard Pictogram	Symbol
Sodium polystyrene sulphonate	40-65%	69011-22-9	-	-	-	-
Water	35-60%	7732-18-5	-	-	-	-

## 4. First aid measures

- Skin contact: Remove product mechanically. Rinse skin with a lot of water.
- Eye contact: Rinse open eyes with a lot of water. Seek medical attention.
- Inhalation: remove patient to fresh air. Seek medical advice.
- Ingestion: Rinse mouth and drink a lot of water. Seek medical attention.

## 5. Fire fighting Extinguishing agents

CO<sub>2</sub> foam, extinguishing powder, in case of big fires use waterspraybeam. During fire fighting wear respirator with independent oxygen supply.

## 6. Accidental release measures

- Personal precaution:
- Keep people away
- Spillage causes slippery surface
- Environmental precaution:
- Do not allow to enter public sewers or watercourses
- Methods of cleaning up:
- Sweep up as much as possible and transfer to plastic containers for recovery or disposal

## 7. Handling and storage

- Storage temperature between 5°C and 40°C.
- Prevent of drying. Apply protection measures against electrostatic loading according to the equipment, handling and packaging of the product. Static loading

	lets the Material form into a ball. – Sufficient ventilation necessary.
<b>8. Exposure controls / personal protection</b>	– Eye protection: protective glasses – Hand protection: protective gloves – Follow the common safety measure with handling chemicals. Change dirty cloths. Wash hands before breaks and end of work.
<b>9. Physical and chemical properties</b>	– Form: PRC107E Na+ , – Color: light yellow to brown – Smell: no smell – Density: 1.25 – 1.29 g/ml – Apparent density: 0.77 – 0.87 g/ml – Solubility: insoluble in water and organic solvents
<b>10. Stability and reactivity</b>	– Thermal decomposition: no thermal decomposition in case of appropriate handling and storage. – Dangerous decomposition products: no dangerous decomposition products in case of appropriate handling and storage. In case of fire or thermal decomposition development of : CO, CO <sub>2</sub> , SO <sub>2</sub> , NO <sub>2</sub> and other toxic gases. – Dangerous reaction: with strong oxidizing agents are dangerous reactions possible. No dangerous reactions if used appropriate.
<b>11. Toxicological information</b>	No evidence
<b>12. Ecological information</b>	On available data mixture is not harmful to aquatic life
<b>13. Disposal consideration</b>	– According to the local regulations (e.g. controlled burning). – The mixture as delivered is non-hazardous waste – Unclean package materials must be treated like a product itself.
<b>14. Transport information</b>	Mixture as supplied is not classified as a dangerous good for transport by sea, road, rail and air.
<b>15. Regulatory information</b>	– Mixture as supplied is not classified as a hazardous product – Causes eyes irritation – Causes mild skin irritation
<b>16. Additional information</b>	Keep separate from food