

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of substance or preparation: **Purolex PRC 107 H**
Company/undertaking Identification: **UAB Chemsys**

2. COMPOSITION/INFORMATION ON INGREDIENTS

#	Ingredient	Concentration, %	CAS Number
1	Polystyrene sulphonic acid	35-65	69011-22-9
2	Water	35-65	7732-18-5

3. HAZARDS IDENTIFICATION

Contact with eyes:

Warning! Causes eye irritation

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

4. FIRST AID MEASURES

Inhalation:

Move into fresh air and keep at rest.

Get medical attention if any discomfort continues

Contact with skin:

Wash off immediately with soap and plenty of water.

If irritation persists get medical attention

Contact with eyes:

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.

If eye irritation persists, get medical advice/attention.

Ingestion:

Rinse mouth thoroughly. Never give liquid to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

Get medical attention if any discomfort continues

Most important symptoms and effects, both acute and delayed:

Eye contact: Contact may cause irritation with redness, tearing, pain, and/or blurred vision

Indication of any immediate medical attention and special treatment

Treat symptomatically

5. FIRE-FIGHTING MEASURES

In case of fire use water fog, foam, carbon dioxide or dry agent

Mixture evolves toxic fumes, wear self-contained breathing apparatus

Wear full protective clothing including chemical protection suit

Prevent run off water from entering drains if possible

If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

Advice for fire fighters:

Special protective equipment for fire fighters

Wear self-contained breathing apparatus and protective clothing.

Special firefighting procedures

In the event of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Keep people away

Spillage causes slippery surface

Environmental precautions:

Do not allow to enter public sewers and watercourses

Methods for cleaning up:

Sweep up as much as possible and transfer to plastic containers for recovery or disposal

7. HANDLING AND STORAGE

Handling:

No special precautions are required for this mixture

Risk of static discharge from dry beads

Storage:

Store above 0 °C

Do not store above 40 °C

Avoid dehydration (when rewetted the resin volume may increase and cause a rupture of the packaging)

Keep only in the original container

Specific use(s):

Ion exchange, adsorbent or catalyst

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values:

No exposure limits noted for mixtures

Exposure controls:

No special precautions are required for this mixture

Occupational exposure controls:

No respiratory protection is required

Wear rubber or PVC gloves

Wear eye/face protection

Eyewash facilities should be available

Wear suitable protective clothing

Environmental exposure controls:

Environmental manager must be informed of all major spillages

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	spherical beads gold, amber, light brown, dark brown, black or green color
Odor:	odorless
Relative density:	1,20 – 1,30
Water solubility:	none

10. STABILITY AND REACTIVITY

Reactivity

Chemical stability

Material is stable under normal conditions

Conditions to avoid:

Heat, sparks, flames elevated temperatures

Materials to avoid:

Strong oxidising agents. Nitric acid.

Hazardous decomposition products:

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors

11. TOXICOLOGICAL INFORMATION

Occupational exposure to the substance or mixture may cause adverse effects

Ingestion:	may cause discomfort if swallowed
Inhalation:	inhalation of dusts may cause respiratory irritation
Skin contact:	may cause mild skin irritation
Eye contact:	causes serious eye irritation
Contact may cause irritation with redness, tearing, pain, and/or blurred vision	

12. ECOLOGICAL INFORMATION

Ecotoxicity:	no toxicity data noted for the ingredient(s)
Mobility:	no data available
Persistence and degradability:	no data available
Bioaccumulative potential:	bioaccumulation is insignificant
Results of PBT assessment:	assessment not required
Other adverse effects:	on available data, mixture is not harmful to the environment

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Residual waste

Dispose of in accordance with local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

EU waste code

Waste codes should be assigned by the user based on the application for which the product was used.

Disposal methods/information

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/containers in accordance with local/regional/national/international regulations.

14. TRANSPORT INFORMATION

Mixture as supplied is not classified as a dangerous good for transport by sea, road, rail and air

Note:

The information provided in this safety data sheet is based on current knowledge about the product and current legal requirements and standards. It relates specifically to health, safety and environmental requirements and standards, may not identify all hazards associated with the product or its uses or misuses, does not signify any warranty with regard to the properties of the product, and only applies when the product is used for the purposes indicated in section 1. This product is not sold as suitable for other purposes and such other usage may cause risks not mentioned in this safety data sheet.