

SAFETY DATA SHEET

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

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

#	Ingredient	Concentration, %	CAS Number
1	Sodium polystyrene sulphonate	40-65	69011-22-9
2	Water	35-60	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:

Remove patient to fresh air

Seek medical advice

Contact with skin:

Remove contaminated clothing

Wash affected area with plenty of water

Contact with eyes:

Immediately wash out with plenty of water for at least 15 minutes

Seek medical attention if irritation persists.

Ingestion:

Give 200-300 ml of water to drink

Never give anything by mouth to an unconscious person

Seek immediate medical attention

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

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 from pale yellow to light brown color

Odor: odorless

Relative density: 1,15 – 1,30

Water solubility: none

10. STABILITY AND REACTIVITY

Conditions to avoid:

Considered stable under normal conditions.

Materials to avoid:

Incompatible with strong oxidizing mixtures.

Contact with strong oxidizers, especially nitric acid, may produce low molecular weight organics that may form explosive mixtures

Hazardous decomposition products:

Combustion products may include monomers, residual organics, carbon and sulphur oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: no evidence of acute lethality/toxicity

Carcinogenicity: no evidence of carcinogenic effects

Teratogenicity: no evidence of reproductive effects

Mutagenicity: no evidence of mutagenic effects

12. ECOLOGICAL INFORMATION

Ecotoxicity:	on available data, mixture is not harmful to aquatic life
Mobility:	insoluble in water
Persistence and degradability:	not biodegradable
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

The mixture as delivered is a non-hazardous waste

The used mixture may be subject to different classifications, in any case the mixture shall be disposed of according to local, regional and national regulations

EU number for exhausted or saturated ion exchange resins used in chemical surface treatment and coating of metals is 11 01 16

EU number for exhausted or saturated ion exchange resins used for the preparation of drinking water or water for industrial use is 19 09 05

EU number for exhausted or saturated ion exchange resins used in waste water treatment plants not otherwise specified is 19 08 06

In UK, surplus product should be declared a 'Special Waste'. Refer to the 'Control of Pollution (Special Waste) Regulations 1980 - SI 1709'

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.