Website: www.chemsys.lt
Address: Veterinaru 38,
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Lithuania, European Union

SAFETY DATA SHEET

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

Identification of substance or preparation: **Purolex MB 400**
Company/undertaking Identification: **UAB Chemsys**

2. COMPOSITION/INFORMATION ON INGREDIENTS

#	Ingredient	Concentration, %	CAS Number
1	Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, chloromethylated, trimethylamine quaternized	20 - 60	69011-22-9
2	Water	40 - 80	7732-18-5

3. FIRST AID MEASURES

Contact with eyes:
Rinse with water. Get medical attention if irritation develops and persists
Contact with skin:
Wash off with soap and water. Get medical attention if irritation develops and persists.
Ingestion:
Rinse mouth. Get medical attention if symptoms occur.
Inhalation:
Move to fresh air. Call a physician if symptoms develop or persist.
Systemic (other target organs):
Direct contact with eyes may cause temporary irritation
General information:
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4. HAZARDS IDENTIFICATION

Physical hazards:
Not classified
Health hazards:
Not classified
OSHA defined hazards:
Not classified.
Label elements:
None
Signal word:
None
Hazard statement:
The mixture does not meet the criteria for classification
Precautionary statement:
Prevention: Observe good industrial hygiene practices
Response: Wash hands after handling
Storage: Store away from incompatible materials
Disposal: Dispose of waste and residues in accordance with local authority requirements

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO_2).

Unsuitable extinguishing media:
None known
Specific hazards arising from the chemical:
During fire, gases hazardous to health may be formed
Special protective equipment and precautions for firefighters:
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions:
Use water spray to cool unopened containers
General fire hazards:
Use standard firefighting procedures and consider the hazards of other involved materials.
The product is not flammable. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS
Methods and materials for containment and cleaning up:
Large Spills: Dike the spilled material, where this is possible. Sweep up or vacuum up spillage and collect in suitable container for disposal. Following product recovery, flush area with water.
Small Spills: Clean surface thoroughly to remove residual contamination
Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS
Environmental precautions:
Avoid discharge into drains, water courses or onto the ground

7. HANDLING AND STORAGE

Handling:
Observe good industrial hygiene practices.
Storage:
Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits:
No exposure limits noted for ingredient(s).
Biological limit values:
No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls:
Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual protection measures, such as personal protective equipment:
Eye/face protection
If contact is likely, safety glasses with side shields are recommended
Hand protection:
Protective gloves should be worn to prevent skin contact. SPECIFIC RECOMMENDATIONS.
Breakthrough time: >10 minutes.
Other:
Suitable gloves can be recommended by the glove supplier.
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Thermal hazards:
Wear appropriate thermal protective clothing, when necessary
General hygieneconsiderations:
Always observe good personal hygiene measures, such as washing after handling the materialand before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White. Yellow. Light amber. Cream
Odor:	none
Water solubility:	none
Physical State:	solid
pH:	near neutral (6 to 9 typical)
Relative density:	1,04 – 1,12
Boiling point:	does not boil
Flash point:	approx 500ºC
Auto-ignition temperature:	approx 500º C
Decomposition temperature:	above 230º C

10. STABILITY AND REACTIVITY

Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability
Material is stable under normal conditions.
Possibility of hazardousreactions:
No dangerous reaction known under conditions of normal use.
Conditions to avoid:
Contact with incompatible materials. Heat, sparks, flames, elevated temperatures.
Hazardous by-products:
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
Incompatible materials:
Strong oxidizing agents. Nitric acid.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation	No adverse effects due to inhalation are expected
Skin contact	No adverse effects due to skin contact are expected
Eye contact	Direct contact with eyes may cause temporary irritation
Ingestion	Expected to be a low ingestion hazard
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.
Toxicity Measures:	Not expected to be acutely toxic.
Skin Adsorption	Prolonged skin contact may cause temporary irritation.
Ingestion	oral toxicity believed to be low but no ld50 has been established

Toxicity Symptoms:

Ingestion:	indigestion or general malaise
Inhalation:	unknown
Skin contact:	mild rash
Eye contact:	causes serious eye irritation

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

12. ECOLOGICAL INFORMATION

Ecotoxicity:	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment
Mobility in soil:	The product is insoluble in water.
Persistence and degradability:	No data is available on the degradability of any ingredients in the mixture
Bioaccumulative potential:	No data available.
Other adverse effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations

Dispose in accordance with all applicable regulations

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company

Waste from residues / unusedproducts

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal

14. TRANSPORT INFORMATION

DOT (49 CFR 172.101)	not regulated
IATA	not regulated
IMDG	not regulated
Transportation Class	not classified as a dangerous good for transport by land, sea, or air

15. REGULATORY INFORMATION

CERCLA	not regulated
SARA Title III	not regulated
Clean Air act	not regulated
Clean Water Act	not regulated
TSCA	not regulated

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.