



# Safety Data Sheet

Aldex CR 9 MP

## 1. Identification

**Product identifier:** Aldex CR 9 MP  
**Product code:** CR 9 MP  
**Supplier Name:** Aldex Chemical Co. Ltd  
630 Laurent  
Granby, Québec  
Canada, J2G 8V1  
**Telephone:** 450 372-8844  
**Emergency tel. number:** 800 424-9300  
**Available hours:** 24h - 7/7  
**Recommended use:** Specialized ion exchange resin for perchlorate, PFAS, PFOS removal from wastewater.  
**Restriction on use:** For professional use only.

## 2. Hazard identification

**Signal word:** NONE

**Product classification:**



This product is not regulated under WHMIS 2015 and Hazcom 2012.

**Hazard statement(s):** This product is not a hazardous material.

### Precautionary statement(s)

**Prevention:** Wash hands thoroughly after handling and any other part of the body that may have been exposed to the product.

**Response:** Not applicable

**Storage:** Not applicable

**Disposal:** Dispose of contents/container in accordance with local, regional, national and/or international regulations in force.

**Other hazards:** No other effects shown.

See toxicological information, section 11



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## 3. Composition/ Information on ingredients

No	CAS No :	Common name and synonyms	Concentration % (w/w)
1	116565-72-1	Tributylamine functionalized chloromethylated copolymer of polystyrene in the chloride form	43.00 - 50.00
2	7732-18-5	Water	50.00 - 57.00

## 4. First-aid measures

**If swallowed, irritation, any type of overexposure or symptoms of overexposure occur during use of the product or persists after use, immediately contact a POISON CENTER, an EMERGENCY ROOM or a PHYSICIAN; ensure that the product safety data sheet is available.**

**Eye contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention as soon as possible.

**Skin contact:** Remove contaminated clothing immediately. Wash the skin with soap and water. Thoroughly wet contaminated clothing. If irritation persists, consult a doctor.

**Inhalation:** Move exposed person to fresh air. Keep this person warm and lying down. Loosen tight clothing such as a collar, tie, belt or waistband. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.

**Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Symptoms:** No known symptoms.

**Effects (acute or delayed):** None known effect.

**Immediate medical attention and special treatment:** No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5. Fire-fighting measures

**Suitable extinguishing media:** Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media:** Jets of water can facilitate the spread of fire.

**Specific hazards arising from the hazardous product:** No specific hazard.

**Hazardous combustion products:** Carbon monoxide and dioxide. Nitrogen oxides. Hydrochloric acid.

**Special protective equipment and precautions for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



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## 6. Accidental release measures

**Personal precautions:** No action shall be taken involving any personal risk or if you do not have suitable training or protection. Shut off all heating and ignition sources. Avoid breathing vapor or mist. Put on appropriate personal protective equipment (see Section 8).

**Protective equipment and emergency procedures:** Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution. Use inert absorbent or retention tubes in the event of a large spill.

**Methods and materials for containment and cleaning up:** Stop leak if without risk. Move containers from spill area. Contain leaks and pick up with non-combustible absorbent materials such as sand, earth or vermiculite. Then, place in an appropriate waste disposal container according to local regulations. Dispose of via a licensed waste disposal contractor.

## 7. Handling and storage

**Precautions for safe handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Conditions for safe storage:** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Incompatibility:** Strong acids and strong oxidizing agents.

## 8. Exposure Controls/ Personal protection

### Alberta

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
1	116565-72-1	Tributylamine functionalized chloromethylated copolymer of polystyrene in the chloride form	N/A	N/A	N/A	N/A	N/A	N/A

### British-Columbia

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
1	116565-72-1	Tributylamine functionalized chloromethylated copolymer of polystyrene in the chloride form	N/A	N/A	N/A	N/A	N/A	N/A



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### Ontario

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
1	116565-72-1	Tributylamine functionalized chloromethylated copolymer of polystyrene in the chloride form	N/A	N/A	N/A	N/A	N/A	N/A

### Quebec

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
1	116565-72-1	Tributylamine functionalized chloromethylated copolymer of polystyrene in the chloride form	N/A	N/A	N/A	N/A	N/A	N/A

### Saskatchewan

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
1	116565-72-1	Tributylamine functionalized chloromethylated copolymer of polystyrene in the chloride form	N/A	N/A	N/A	N/A	N/A	N/A

### United States

No	CAS No :	Common name and synonyms	IDLH NIOSH	Regulatory Limits			Recommended Limits	
				OSHA PEL		California / OSHA PEL	NIOSH REL	ACGIH ® 2019 TLV ®
				ppm	mg/m <sup>3</sup>	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
1	116565-72-1	Tributylamine functionalized chloromethylated copolymer of polystyrene in the chloride form	N/A	N/A	N/A	N/A	N/A	N/A

IDLH: Immediately Dangerous to Life or Health Concentrations  
 NIOSH: National Institute for Occupational Safety and Health  
 OSHA: Occupational Safety and Health Administration  
 PEL: Permissible Exposure Limits  
 California / OSHA: California Division of Occupational Safety and Health  
 REL: Recommended Exposure Limits  
 ACGIH ®: American Conference of Governmental Industrial Hygienists  
 TLV ®: Threshold Limit Values

**Appropriate engineering controls:** N/A

**Individual protection measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eyes:** DO NOT WEAR CONTACT LENSES Wear anti-splash safety goggles.

**Hands:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.



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**Respiratory:** If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Others:** Wear protective clothing with long sleeves and appropriate safety shoes at all times.

## 9. Physical and chemical properties

**Physical state:** Solid

**Colour:** white/yellow

**Odour:** Amine odor

**Odour threshold:** Not applicable

**pH:** 7 susp.

**Melting/Freezing point:** Not applicable

**Initial boiling point/boiling range:** Not applicable

**Flash point:** Not applicable

**Flammability (Solid, Gas):** Not applicable

**Lower flammable/explosive limit:** Not applicable

**Upper flammable/explosive limit:** Not applicable

**Auto-ignition temperature:** 500 °C (932 °F)

**Evaporation rate:** Not applicable

**Vapour pressure:** Not applicable

**Vapour density:** Not applicable

**Relative gravity:** 1.05-1.15 g/ml

**Bulk density:** 650-750kg/m<sup>3</sup>

**Solubility in water:** Insoluble

**Partition coefficient – n-octanol/water:** Not applicable

**Decomposition temperature:** Not applicable

**Kinematic viscosity:** Not applicable

## 10. Stability and reactivity

**Reactivity:** Stable under recommended conditions of storage and handling.

**Chemical stability:** The product is chemically stable under normal conditions of use.

**Possibility of hazardous reactions:** No dangerous or polymerization reactions will not occur under normal conditions of use.

**Conditions to avoid:** Keep away from incompatible products (see section 7).

**Incompatible materials:** This product attacks stainless steel.

**Hazardous decomposition products:** Carbon monoxide and dioxide. Nitrogen oxides. Hydrochloric acid.



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## 11. Toxicological information

	Oral	Dermal	Inhalation gases	Inhalation vapours	Inhalation dusts/mists
ATE <sub>mix</sub>	> 5 000 mg/kg	> 5 000 mg/kg	N/A	> 20 mg/l	> 5 mg/l

No	CAS No :	Common name and synonyms	LD <sub>50</sub> oral mg/kg	LD <sub>50</sub> skin mg/kg	LC <sub>50</sub> inhalation ppmV 4h - gases	LC <sub>50</sub> inhalation mg/l 4h - vapours	LC <sub>50</sub> inhalation mg/l 4h - dusts-mist
1	116565-72-1	Tributylamine functionalized chloromethylated copolymer of polystyrene in the chloride form	> 5000	> 5000	N/A	N/A	> 5.00

**Routes of exposure:** This product is absorbed by the digestive tract.

**Symptoms:** No known symptoms.

**Delayed and immediate effects:** None known effect.

Aspiration hazard	N/A
Skin corrosion - Skin irritation	N/A
Serious eye damage - Serious eye irritation	N/A
Skin sensitization	N/A
Respiratory sensitization	N/A
Specific target organ toxicity – single exposure	N/A
Specific target organ toxicity – single exposure Category 3 Narcotic effects	N/A
Specific target organ toxicity – single exposure Category 3 Respiratory tract irritation	N/A
Specific target organ toxicity – repeated exposure	N/A

No	CAS No :	Common name and synonyms	IARC	ACGIH	Mutagenicity	Effect on reproduction
1	116565-72-1	Tributylamine functionalized chloromethylated copolymer of polystyrene in the chloride form	N/A	N/A	No effects shown.	No effects shown.

### Cancer classification under IARC (International Agency for Research on Cancer)

- Group 1: carcinogenic to humans.
- Group 2A: probably carcinogenic to humans.
- Group 2B: possibly carcinogenic to humans.
- Group 3: not classifiable as to its carcinogenicity to humans.
- Group 4: probably not carcinogenic to humans.

### Cancer classification under ACGIH (American Conference of Governmental Industrial Hygienists)

- Group A1: confirmed human carcinogen.
- Group A2: suspected human carcinogen.
- Group A3: confirmed animal carcinogen with unknown relevance to humans.
- Group A4: not classifiable as a human carcinogen.
- Group A5: not suspected as a human carcinogen.



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## 12. Ecological information

### Ecotoxicity

No	CAS No :	Common name and synonyms	%	Aquatic Ecotoxicity short term	Aquatic Ecotoxicity long term	Terrestrial Ecotoxicity
1	116565-72-1	Tributylamine functionalized chloromethylated copolymer of polystyrene in the chloride form	43.00 - 50.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.

### Persistence and degradability. Bioaccumulative potential. Other adverse effects

No	CAS No :	Common name and synonyms	%	Persistent	Bio-accumulation	Aquatic Ecotoxicity
1	116565-72-1	Tributylamine functionalized chloromethylated copolymer of polystyrene in the chloride form	43.00 - 50.00	N.D.	N.D.	N.D.

Degradability: N/A

Mobility in soil: N/A

## 13. Disposal considerations

**Methods of disposal:** The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

## 14. Transport information

	TDG	DOT	IMDG	IATA
UN Number				
Proper shipping name	NOT REGULATED	NOT REGULATED	NOT REGULATED	NOT REGULATED
Transport hazard class(es)				
Packing group				

**Transport in bulk** (according to Annex II of the International Convention for the Prevention of Pollution From Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78), and the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code)): N/A

**Marine pollutant:** No

**Exemption for limited quantity:** Not applicable



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Other exemptions: Not applicable

Special precautions: Not applicable

## 15. Regulatory information

### Canada

No	CAS No :	Common name and synonyms	%	DSL	NDSL	NPRI
1	116565-72-1	Tributylamine functionalized chloromethylated copolymer of polystyrene in the chloride form	43.00 - 50.00			

### United States

No	CAS No :	Common name and synonyms	%	TSCA	PROP-65	RTK
1	116565-72-1	Tributylamine functionalized chloromethylated copolymer of polystyrene in the chloride form	43.00 - 50.00			

The customer is responsible for determining the PPE (personal protection equipment) code for this material.

The classification of the product and the SDS were developed in accordance with HPR and HazCom 2012.

## 16. Other information

Date of Revision: 2025-01-13

Version: 1

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