



Version 1.0 Revision Date 04.27.2020

## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

#### 1.1 Product identifiers

Identification of substance: Polypropylene  
Trade name: **ALDEX IR-01**  
EC Number: Not applicable  
REACH Registration No.: This mixture is exempted from registration according to the provisions of Title II and VI and Article 2(9) of REACH

#### 1.2 Identified uses of the product

Identified uses: For use as upper floating layer in upflow operated exchange systems

#### 1.3 Details of the supplier of the safety data sheet

Company: Aldex Chemical Ltd  
630 Laurent, Granby  
Québec, J2G 8V1, Canada

Telephone: +1 450-372-8844  
Fax: +1 450-372-2566  
E-mail address: info@aldexchemical.com

#### 1.4 Emergency telephone number

CHEMTREC: US/Canada 1 800-424-9300  
International 1 703-527-3887

### SECTION 2: HAZARDS IDENTIFICATION

#### Emergency Overview

- Physical state: Milky white (beads)
- Odor: Not applicable
  
- Contact with eyes: Warning! Causes eye irritation (R36)
- Contact with skin: Warning! Cause mild skin irritation

Low hazard for industrial or commercial handling by trained personnel

### OSHA regulatory Status

- This product is a non-hazardous product

### Potential health effects

- Inhalation: No effect at normal work temperatures
- Eye contact: May cause temporary eye irritation
- Skin contact: May be slightly irritating to skin
- Ingestion: Ingestion may cause irritation and malaise although this product does not pose a risk to health
- Chronic Health Effects: No other specific acute or chronic health impact noted
- Target Organ(s): Eye / Skin
- Potential Physical / Chemical Effects: None

### Environmental Effects

- Care should be taken to not spill product.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Ingredients

Ingredients	%w/w	CAS No.	Hazard Statement	R Phrases	Hazard Pictogram	Symbol
Polypropylene	100%	069011-20-7	H319	R36	GH07	Xi



Xi/GH07: Irritant

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Eye contact:	Flush with water while holding eyelids open for at least 15 minutes. Get medical attention if any discomfort.
Skin contact:	Remove product from skin. Wash skin with plenty of soap and water.
Ingestion:	Never give anything by mouth to an unconscious person. Wash out mouth with water and provide plenty of water to drink. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.
Inhalation:	n/a

### 4.2 Most important symptoms and effect, both acute and delayed

The most important known symptoms and effects are described in the section 2-Hazards Identification and or Section 11-

Toxicological information.

#### **4.3 Indication of any immediate attention and special treatment needed**

No data available

### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.1 Extinguishing media**

Suitable extinguishing media: Use foam, water spray, dry chemical or carbon dioxide.

#### **5.2 Special hazards arising from the substance or mixture**

Polypropylene compounds, Carbon oxides, Sulfur oxides.

#### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

#### **5.4 Further information**

Flammable Properties  
- NFPA Rating Fire = 1

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Personnel involved in cleanup should wear appropriate personal protective equipment (See section 8).

#### **6.2 Environmental precautions**

Place waste in an appropriately labeled sealed container for disposal. Care should be taken to avoid environmental release.

#### **6.3 Methods and materials for containment and cleaning up**

Cleaning/Collecting measures: Contain the source of spill if it is safe to do so.  
Sweep up as much as possible and transfer to plastic containers for recovery or disposal.

#### **6.4 Additional consideration for large spills**

Non-essential personnel should be removed from affected area.  
Clean up operators should be undertaken by trained personnel.

### **SECTION 7: HANDLING AND STORAGE**

#### **7.1 Precautions for safe handling**

Avoid contact with eyes and prolonged skin contact.  
Danger of slipping when product is spilled.  
See section 8 of the MSDS for personal protective equipment.

#### **7.2 Conditions for safe storage, including any incompatibilities**

Store in cool room (between 0 °C and 40 °C).  
Resistant to frost down to 0° C

Keep container tightly closed in a well-ventilated place.  
Store away from incompatible material.  
When handling and packaging take preventative measures, according to equipment used, to prevent electrostatic loading. Static loading results in the product forming into a ball.  
Store away from food.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Exposure limits

No exposure limits noted for mixture.

### 8.2 Exposure controls

Provide adequate ventilation.

#### Personal protective equipment

Eye/Face protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Hand protection:

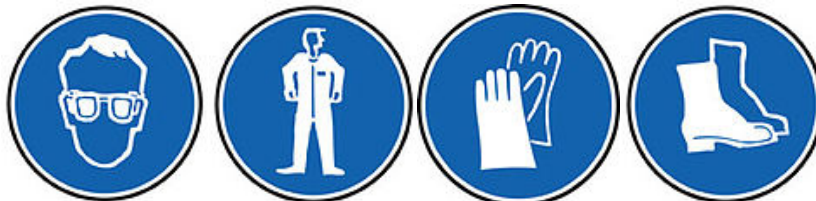
Handle with impervious gloves to avoid skin contact with this product. Thoroughly wash hands before breaks and/or end of work.

Skin Protection:

Impervious protective clothing is recommended for bulk processing operations.

Respiratory protection:

Not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



#### Environment exposure controls

Environmental manager must be informed of all major spillages

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state:	Hard, attrition resistant
Appearance:	Milky white spherical beads
Odor:	Odorless
Odor Threshold:	Not applicable
pH Range	Not applicable
Melting/Freezing point:	Not applicable
Flash point:	Not applicable
Flammability:	Not applicable
Upper/lower explosive limits	Not applicable
Relative density:	0.85 to 0.92 g/ml
Apparent density:	0.50 to 0.57 g/ml
Vapor density (air = 1):	Not applicable
Vapor pressure:	Not applicable
Water solubility:	Insoluble
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Viscosity:	Not applicable
Explosive properties:	Not applicable
Oxidizing properties:	Not applicable

### 9.2 Other safety information

Due the physical properties of the beads, a spill can make a flat floor very slippery. It is strongly recommended to clean the floor to prevent any risk of fall.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No hazardous reactivity.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Not available.

### 10.4 Conditions to avoid

Considered stable under normal conditions.  
Avoid Heat/Fire, and contact with incompatible materials.

### 10.5 Incompatible materials

None

## 10.6 Hazardous decomposition products

Thermal decomposition will yield oxides of carbon, and other toxic gases or vapors.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity:	No evidence of acute toxicity
Skin Corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity:	No evidence of mutagenic effects
Carcinogenicity:	No evidence of reproductive effects
Reproduction toxicity:	No data available
Specific target organ toxicity:	Single exposure: No data available
	Repeated exposure: No data available
Aspiration hazard	No data available

### 11.2 Additional information

Handle using good occupational and environmental health practices.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

No data available

### 12.2 Persistence and degradability

The product is not readily biodegradable.

### 12.3 Bioaccumulative potential

Potential to bioaccumulate is low.

### 12.4 Mobility in soil

The product is insoluble in water and will sediment in water systems.

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

### 12.6 Other adverse effects

No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

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### 13.1 Waste treatment methods

General Information: The generation of waste should be avoided or minimized wherever possible. Dispose of waste and residues in accordance with local authority requirements.

Disposal Methods: No specific disposal method required. 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.

Containers: Since emptied containers retain product residue, follow label warning even after container is emptied.

## SECTION 14: TRANSPORT INFORMATION

<b>US DOT Information:</b>	Not regulated
<b>TDG Information:</b>	Not regulated
<b>ADR/RID Information:</b>	Not regulated
<b>IATA Information:</b>	Not regulated
<b>IMDG Information:</b>	Not regulated

### Environmental Hazard

ADR/RID: No	IMDG Marine pollutant: No	IATA: No
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## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation

#### WHMIS Classification

This is not a WHMIS controlled mixture

#### Applicable international laws and regulations

This mixture meets the OECD polymer definition, and is therefore exempt from REACH registration

#### Inventory Status

This mixture or all components are listed or exempt from listing on the following inventory: TSCA, DSL

#### US Regulations

CERCLA Hazardous Substance List (40 CFR 302.4): Not regulated

#### SARA Title II

- Section 311/312 (40 CFR 370): Not regulated
- Section 313 Toxic Release Inventory (40 CFR 372): Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not Regulated

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): Not regulated

Drug Enforcement Act: Not regulated

#### TSCA

- TSCA Section 4(a) Final Test Rules & Testing Consent Orders: Not regulated
- TSCA Section 5(a)(2) Final Significant New Use Rules (SNURs) (40CFR 721, Subpt. E): Not regulated
- TSCA Section 5(e) PMN-Substance Consent Orders: Not regulated
- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated

#### State Regulations

- California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): Not regulated
- Massachusetts Right – To – Know list: Not regulated
- Michigan Critical Materials List (Michigan Natural Resources and Environment Protection Act (Act. 451 of 1994): Not regulated.
- Minnesota Hazardous Substances List: Not regulated
- Pennsylvania Right – To –know List: Not regulated
- Rhode Island Right – To- Know List: Not regulated

### **15.2 Chemical Safety Assessment**

Aldex Chemical has not conducted a chemical safety assessment for this product.

## **SECTION 16: OTHER INFORMATION**

### **Further Information**

Hazard rating (NFPA)



Health Hazard	Fire Hazard	Instability	Special Hazard
1	1	0	0

Hazard rating: 0 – minimal; 1 – Slight; 2 – moderate; 3 – Serious; 4 – Severe

Hazard rating (HMIS)

Health Hazard	Flammability	Physical Hazard	Personal Protection
1	1	0	--

Hazard rating: 0 – minimal; 1 – Slight; 2 – moderate; 3 – Serious; 4 – Severe

- Relevant Hazard Statements: (H319) Causes serious eye irritation
- Relevant R phrases: (R36) irritating to eyes

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