



# Apex Sapphire Polymer-Coated Aluminum Sulfate Powered by GAL-Xe ONE

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 04/27/2020

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Version: 1.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
Product name : Apex Sapphire Polymer-Coated Aluminum Sulfate Powered by GAL-Xe ONE  
Product code : M74438  
Product group : Trade product

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

JR Simplot Company  
P.O. Box 70013  
83707 Boise, ID  
T 1-208-336-2110

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-424-9300

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS CA)

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS CA labelling

No labelling applicable

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS CA)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
aluminium sulfate, octadecahydrate	aluminium sulfate (Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ) hydrate (1:18) / aluminium sulfate (Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ) octadecahydrate / aluminium sulfate octadecahydrate / aluminium sulfate octadecahydrate (Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ), 18 H <sub>2</sub> O / aluminium sulphate octadecahydrate / aluminium sulphate, octadecahydrate / aluminum sesquisulfate octadecahydrate / aluminum sulfate octadecahydrate / aluminum sulphate octadecahydrate / aluminum trisulfate octadecahydrate / alum octadecahydrate / dialuminum sulfate octadecahydrate / dialuminum trisulfate octadecahydrate / sulfuric acid, aluminumsalt (3:2), octadecahydrate	(CAS-No.) 7784-31-8	<= 97	Not classified

Full text of hazard classes and H-statements : see section 16

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### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after eye contact	: Causes serious eye damage.
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

#### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

#### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.3. Specific hazards arising from the hazardous product

No additional information available

#### 5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

No additional information available

#### 6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.

#### 6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling.

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

Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

No additional information available

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### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear protective gloves.

#### Eye protection:

Chemical goggles or safety glasses

#### Respiratory protection:

Wear appropriate mask

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Granules.
Colour	: Turquoise Blue
Odour	: No data available on odour
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 117 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative density	: No data available
Solubility	: slowly soluble. Polymer coating insoluble.
Log Pow	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Chemical stability	: Stable.
Possibility of hazardous reactions	: Not established.
Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
Incompatible materials	: Strong acids. Strong bases.
Hazardous decomposition products	: fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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<b>aluminium sulfate, octadecahydrate (7784-31-8)</b>	
LD50 oral rat	> 9000 mg/kg (Rat; Literature study)
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects after eye contact	: Causes serious eye damage.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

<b>aluminium sulfate, octadecahydrate (7784-31-8)</b>	
LC50 fish 1	37 mg/l (96 h; Gambusia affinis; Anhydrous form)
LC50 fish 2	3.6 mg/l (96 h; Salvelinus fontinalis; Anhydrous form)
EC50 Daphnia 1	136 mg/l (.25 h; Daphnia magna; Anhydrous form)
EC50 Daphnia 2	4.37 mg/l (72 h; Asellus sp.; Anhydrous form)
BCF fish 1	76 - 190 (60 days; Salmo salar; Anhydrous form)
Threshold limit algae 1	304 mg/l (5 days; Algae; Anhydrous form)

#### 12.2. Persistence and degradability

<b>Apex Sapphire Polymer-Coated Aluminum Sulfate Powered by GAL-Xe ONE</b>	
Persistence and degradability	Not established.

<b>aluminium sulfate, octadecahydrate (7784-31-8)</b>	
Persistence and degradability	Biodegradability: not applicable. Hydrolysis in water. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

#### 12.3. Bioaccumulative potential

<b>Apex Sapphire Polymer-Coated Aluminum Sulfate Powered by GAL-Xe ONE</b>	
Bioaccumulative potential	Not established.

<b>aluminium sulfate, octadecahydrate (7784-31-8)</b>	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF fish 1	76 - 190 (60 days; Salmo salar; Anhydrous form)

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Ozone	: Not classified
Other information	: Avoid unintentional release to the environment.

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### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid unintentional release to the environment.

### SECTION 14: Transport information

#### 14.1. Basic shipping description

In accordance with TDG

#### Transportation of Dangerous Goods

Not regulated for transport

#### 14.2. Transport information/DOT

#### Department of Transport

Not regulated for transport

#### 14.3. Air and sea transport

#### IMDG

Not regulated for transport

#### IATA

Not regulated for transport

### SECTION 15: Regulatory information

#### 15.1. National regulations

##### aluminium sulfate, octadecahydrate (7784-31-8)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

#### 15.2. International regulations

##### aluminium sulfate, octadecahydrate (7784-31-8)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### SECTION 16: Other information

SDS Major/Minor : None  
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Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.  
Other information : None.

SDS Canada (GHS)

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