

# MATERIAL SAFETY DATA SHEET

## REVA CLEAR

**MAREVA INC.**  
840 Juniper Crescent Suite # 101 -  
P.O. Box 2328  
CHESAPEAKE VA 23320  
Phone : 757-558-4141 Fax : 757-558-3164

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### 1 - IDENTIFICATION OF THE SUBSTANCE :

CHEMICAL NAME : aluminium sulfate  
SYNONYMS alumina sulfate  
FORMULA  $Al_2(SO_4)_3, 18.H_2O$   
TRADE NAME : **REVALKLAR**  
USE : Flocculent cartridge for clarification of sand filter swimming pool waters.  
DESCRIPTION: cylinder (wrapped in cloth).  
CAS N° : 233-135-0

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### 2 - PHYSICAL DATA :

pH (1 %) : 3.5 (at 68F / 20°C)  
FUSION POINT 187.7F (86,5°C)  
FLASH POINT : not applicable  
EXPLOSIVITY : not applicable  
BULK DENSITY : 0.918 kg/l  
SOLUBILITY 82.5 g/ 100l in water at 68F/20°C.

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### 3 - HAZARDOUS INGREDIENTS

MATERIAL	CAS N°	BY WEIGHT	HAZARD DATA
aluminium sulfate	233-135-0	99 %	RISK OF SERIOUS DAMAGE TO EYES respiratory system and skin

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### 4 - FIRE AND EXPLOSION HAZARD DATA

GENERAL POINT The product is not combustible.  
SPECIFIC DANGERS None  
EXTINCTION MEANS All fire fighting means are authorized.

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### 5 - HEALTH HAZARD DATA

The toxicity is mainly due to the irritant properties of the product :

INHALATION Possible dusts from the product may cause a respiratory irritation in case of excessive exposure.  
EYE CONTACT risk of serious damage, crying, red eyes, pain.  
SKIN CONTACT irritation  
INGESTION Abdominal pain, nauseas.

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## 6 - EMERGENCY AND FIRST AID PROCEDURE

INHALATION	Bring the victim to open air. Seek medical advice.
EYE CONTACT	Rinse immediately with water for a few minutes, keeping eyes wide open and see a doctor if an irritation persists or develops.
SKIN CONTACT	No first aid necessary, rinse contaminated zones with water.
INGESTION	Rinse mouth. Seek medical advice.

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## 7 - TOXICOLOGICAL INFORMATION

LD 50 on rat (oral) > 6207 mg/kg  
LD 50 on rabbit (skin) = no data available.  
LC 50 on rat (inhalation) = no data available.

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## 8 - REACTIVITY DATA

STABILITY	The product is physically and chemically stable. It turns into sulphur dioxide in case of overheating at temperatures over 1112F / 600°C.
REACTIVITY	The product reacts with: strong bases, chlorites, hypochlorites, sulfites, sulphurs. It attacks many metals with liberation of a combustible / flammable gas which may induce danger of fire and explosion.

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## 9 - SPILL, LEAKAGE & DISPOSAL PROCEDURES

### CLEAN UP PROCEDURE

Pick up mechanically, salvage in dry and properly labelled tanks and dispose in an authorized center. Rinse with water all contaminated areas. Do not release in sewerage system or in rivers before neutralizing the product.

### DISPOSAL CONSIDERATIONS :

Dispose product according to regulations in force. Do not release in sewerage systems, rivers, and the environment. Incinerate in authorized centers.

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## 10 - SPECIAL PROTECTION DATA

### OCCASIONAL HANDLING OF THE PRODUCT :

gloves and goggles recommended.

### REPEATED OR CONTINUOUS HANDLING OF THE PRODUCT:

labour clothing covering body and members + gloves and goggles.

Self contained respiratory apparatus if handling produces dust.

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## 11- SPECIAL PRECAUTIONS DATA

HANDLING Take usual chemical products handling precautions.

STORAGE In a dry place , in original and well closed packaging.  
Do not stock near strong bases.

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## 12- TRANSPORTATION INFORMATION

This material is not a hazardous material and is not regulated by the D.O.T.

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The above information is based on the present state of our knowledge of the product at the time of the up-dating. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

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