

MATERIAL SAFETY DATA SHEET

REVApH-DOWN

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1 - IDENTIFICATION OF THE SUBSTANCE :

CHEMICAL NAME & SYNONYMS: Sodium Bisulfate, Anhydrous Globular, Technical
CHEMICAL FAMILY: Dry Acid
CHEMICAL FORMULA: NaHSO₄
TRADE NAME: **REVApH-DOWN**
USE : Product for reducing of swimming pool water pH.
DESCRIPTION: yellowish solid (very thin balls).
CAS NO: 7681-38-1
HMIS HAZARD RATING: Health Hazard: 1 Fire Hazard: 0 Reactivity: 1

2 - PHYSICAL DATA :

pH at 25°C (at 200 g/l) : 1.0 - 1.2
Boiling Point: N/A
Melting Point: circa 356F (180°C)
Bulk Density: 116 to 120lb./USGal. (1,4 to 1,45 kg/l)
Vapor Pressure: N/A
Solubility in water: circa 89lb./USGal. (1,08 kg/l)at 25 ° C.
FLASH POINT : not applicable
EXPLOSIVITY : not applicable

3 – HAZARDOUS INGREDIENTS

MATERIAL	CAS N°	BY WEIGHT	HAZARD DATA
Sodium Bisulfate	7681-38-1	> 93 %	Irritant (risk of serious damage to eyes)

4 - FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA : Water or dry chemical as appropriate for combustibles in area.
Choose extinction mean according to surrounding fires.
Avoid water contact to material if possible.

SPECIAL FIRE FIGHTING PROCEDURES:

If water is used to extinguish combustibles and product is dissolved in water forming sulfuric acid, wear acid protective equipment. If elevated temperatures >570F are reached, self contained breathing apparatus should be worn.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Product readily dissolves in water to form a weak sulfuric acid solution. No gases or toxic fumes are emitted from this reaction, but precautions for exposure to sulfuric acid should be followed.

5 - HEALTH HAZARD DATA**EFFECTS OF OVEREXPOSURE:**

INHALATION : Irritant. May irritate or burn nose, throat and lungs.
SKIN : Moderate irritant. Contact may cause burns if not flushed with water.
EYE : Mild to severe irritant. Contact may cause burns if not flushed with plenty of water.
INGESTION : Irritant. May burn mouth, esophagus or stomach.

6 - EMERGENCY AND FIRST AID PROCEDURE

SKIN CONTACT Wash immediately with plenty of water for 15 minutes
EYE CONTACT Wash immediately with plenty of water for 15 minutes. Seek medical advice
INGESTION: Immediately drink large quantities of water or milk.
INHALATION: Move to fresh air. If irritation or discomfort persists seek medical attention.
Note to physician: Body water will react with sodium bisulfate to form a weak sulfuric acid solution, which may burn tissues.

7 – TOXICOLOGICAL INFORMATION

Acute oral toxicity (DL 50) on rat = 2490 mg/kg

NOTE This product is irritant to mucoses

8 - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Avoid moisture in storage areas. Keep dry.
DANGEROUS REACTIONS Reacts violently in contact with bases (alkaline detergent)
In aqueous solution, emanation of hydrogen in contact with metals.
DO NOT mix with liquid chlorine bleach, ammonia cleansers or similar products.

9 - SPILL, LEAKAGE & DISPOSAL PROCEDURES

PERSONAL PRECAUTIONS Stay away from possible ejections.
CLEAN UP PROCEDURE Pick up mechanically, Neutralize chemically (with a base), Eliminate with water.
DESTRUCTION Dissolve the product to be disposed in water, neutralize with a base, Dispose the product in respect of legislation in force.

10 - SPECIAL PROTECTION DATA

RESPIRATORY PROTECTION : In case of short exposure, use appropriated respiratory apparatus

VENTILATION : Do not form dust.

HAND PROTECTION Wear gloves.

EYE PROTECTION Wear safety goggles. DO NOT wear contact lens when handling this product.

BODY PROTECTION Wear long-sleeved, body-covering clothing.

11- SPECIAL PRECAUTIONS DATA

STORAGE In a dry cool place (hygroscopic product) away from alkalizes. Keep containers closed tightly. Wear all recommended protective equipment when handling this product.

12- TRANSPORTATION INFORMATION

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

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.
