

# MATERIAL SAFETY DATA SHEET

## REVALKALINITY

**MAREVA INC.**  
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### 1 - IDENTIFICATION OF THE SUBSTANCE :

CHEMICAL NAME & SYNONYMS: sodium hydrogenocarbonate, sodium bicarbonate  
FORMULA NaHCO<sub>3</sub>  
TRADE NAME : **REVALKALINITY**  
USE : Product for increasing of alkalinity in swimming pool waters.  
DESCRIPTION: Solid (white crystalline powder with slightly salted flavour).  
CAS N° : 144-55-8

### 2 - PHYSICAL DATA :

pH (between 0.2 and 5 %) : 8.6 (at 68F / 20°C)  
TEMPERATURES : Decomposition of the active material : 140F / 60°C  
FLASH POINT : not applicable  
EXPLOSIVITY : not applicable  
BULK DENSITY : 0.85 to 1.05 kg/l  
SOLUBILITY : ca. 96 g/l water at 20°C. (slightly soluble in alcohol).

### 3 - HAZARDOUS INGREDIENTS

MATERIAL	CAS N°	BY WEIGHT	HAZARD DATA
sodium bicarbonate	144-55-8	> 98 %	none

### 4 - FIRE AND EXPLOSION HAZARD DATA

SPECIFIC DANGERS None, the product is not flammable, nor combustible, nor explosive.  
EXTINCTION MEANS any extinction mean is authorized if the prouduct is caught in a fire  
PARTICULAR PRECAUTION The presence of the product does not induce particular precautions.

### 5 - HEALTH HAZARD DATA

The product does not cause any danger for humans

INHALATION Slight irritation of nose  
EYE CONTACT - Dust: mechanical irritation due to solif parts.  
- Concentrated product : irritation  
INGESTION Nausea and vomitings in case of concentrated product.

**6 - EMERGENCY AND FIRST AID PROCEDURE**

INHALATION	Bring the person away from dusty atmosphere and make him blow nose. Seek medical advice in case of respiratory symptoms
EYE CONTACT	Rinse the eyes with water, maintaining eyes wide open in order to eliminate particles from the product.
SKIN CONTACT	Rinse with water
INGESTION	Rinse mouth with fresh water

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**7 - TOXICOLOGICAL INFORMATION**

GENERAL CONSIDERATION	Sodium bicarbonate is a food additive.
ACUTE TOXICITY	Oral way (LD 50 on rat) > 2000 mg/kg
IRRITATION	No data available
CHRONICAL TOXICITY	No effects in the long term

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**8 - REACTIVITY DATA**

STABILITY	Stable in normal conditions of use Avoid heat (or heat sources).
MATERIALS TO AVOID	Acids
PRODUCT OF DANGEROUS DECOMPOSITION :	CO <sub>2</sub> (carbonic gas)

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**9 - SPILL, LEAKAGE & DISPOSAL PROCEDURES**

CLEAN UP PROCEDURE	Pick up mechanically, avoiding making dust, Put in compatible containers (close well and label). Rinse with plenty of water. Treat as usual rubbish
PRECAUTIONS FOR ENVIRONMENTAL PROTECTION	Release in sewerage system together with plenty of water.

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**10 - SPECIAL PROTECTION DATA**

GENERAL MEASURES	Ventilated places - aspiration on place of emanation if necessary
RESPIRATORY PROTECTION	Anti-dust mask in case of accidental or important dust making.
HAND PROTECTION	Protective gloves for frequent or long handling.
EYE PROTECTION	Goggles in case of important or accidental dust making.
SKIN PROTECTION	Covering clothes.

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### 11- SPECIAL PRECAUTIONS DATA

HANDLING - work in a well ventilated place  
- Handle away from reactive substances  
STORAGE In a dry place, away from acids.

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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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