

# MATERIAL SAFETY DATA SHEET

## SECTION I - COMPANY AND PRODUCT INFORMATION

EPA REG. NO. .... N/A  
Product SKU Number:..... 050, 256  
Manufacturer's Name:..... KIK Pool Additives Inc.  
Emergency Telephone No.:..... (909) 390-9912  
..... (800) 424-9300 (CHEMTREC)  
Street Address:..... 5160 E. Airport Drive  
City/State/Zip code:..... Ontario, CA 91761  
Chemical Name and Synonyms:... Sodium Bicarbonate  
Trade Name and Synonyms:..... **Kem Tek Pool & Spa Care Alkalinity Booster**  
Chemical Family:..... Alkali  
Formula:.....  $\text{NaCO}_3$   
CAS #..... 144-55-8  
NFPA Rating: Health:1 Flammability:0 Reactivity:0 Special :  
DOT Proper Shipping Name:..... Not Regulated  
DOT ID Number:..... Not Regulated  
DOT Hazard Class:..... Not Regulated  
Package Group:..... Not Regulated

## SECTION II - INGREDIENTS

Chemical Name: Sodium Bicarbonate.... 99.8 %  
CAS#..... 144-55-8

## SECTION III - PHYSICAL DATA

FREEZING POINT..... 851°C	DECOMPOSITION TEMPERATURE..... N/A
BOILING POINT .....Decomposes	BULK DENSITY (loose):... 70 lbs/cu.ft
SPECIFIC GRAVITY (H <sub>2</sub> O)=1)... 2.5	pH (in 1% solution)..... 11.4
VAPOR PRESSURE (cm Hg.)..... N/A	SOLUBILITY IN WATER: 7.8g/100g water @ 18C
MELTING POINT..... 50°C	VAPOR DENSITY (Air = 1)..... N/A
EVAPORATION RATE (____=1)... N/A	MOLAR WEIGHT..... 84.007 g/mol
ODOR ..... None	APPEARANCE:.... White, Crystalline Solid

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... Non-Flammable  
FLAMMABLE LIMITS..... N/A  
EXTINGUISHING MEDIA..... Use water, carbon dioxide, dry chemical  
**SPECIAL FIRE FIGHTING PROCEDURES:**.... Self-contained breathing apparatus with full face-piece and protective clothing.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:**.. N/A

## SECTION V - HEALTH HAZARD DATA

**THRESHOLD LIMIT VALUE:**..... 15 mg /m<sup>3</sup>  
**EFFECTS OF OVEREXPOSURE:**.....  
**EMERGENCY AND FIRST AID PROCEDURES:**....  
**IF SWALLOWED:** Rinse mouth with water. Give 1 to 2 glasses of water. Get immediate medical help if persistent irritation occurs.  
**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. If irritation persists, get medical attention.  
**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**IF INHALED:** Remove victim to fresh air. Get medical attention if breathing difficulty occurs.

## **SECTION VI - REACTIVITY DATA**

**STABILITY:** This Product is stable under normal conditions of storage, shipment and/or use.

**CONDITIONS TO AVOID:** Contact with acids except under controlled conditions.

**INCOMPATIBILITY:** (Materials to avoid) Contact with acid releases carbon dioxide gas and heat.

**HAZARDOUS DECOMPOSITION PRODUCTS:** When heated to decomposition may release fumes of sodium oxide.

**HAZARDOUS POLYMERIZATION:**..... WILL NOT OCCUR

## **SECTION VII - ACCIDENTIAL RELEASE PROCEDURES**

**STEPS TO BE TAKEN IN CASE OF MATERIAL RELEASED OR SPILLED:** Sweep up into A DRY, CLEAN CONTAINER. Rinse small amounts to sewage using plenty of water.

**WASTE DISPOSAL METHOD:**... Dispose of in compliance with all federal, state and local laws and regulations.

## **SECTION VIII - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** (Specify type)... None required when handling small quantities, otherwise use approved dust mask.

**VENTILATION:** N/A

**LOCAL EXHAUST:**..... N/A

**PROTECTIVE GLOVES:**..... Rubber gloves

**EYE PROTECTION:**..... Chemical Safety goggles or glasses.

**OTHER PROTECTIVE EQUIPMENT:**

## **SECTION IX - HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**... Keep product in tightly closed container when not in use. Store in cool, dry, well-ventilated area away from heat and open flame. In case of decomposition, isolate container in open area, if possible, and flood with large amounts of water.

**OTHER PRECAUTIONS/DISPOSAL:** Do not reuse empty container. Rinse empty container thoroughly with water to dissolve all material before discarding. Place in trash collection or dispose in approved landfill area.

This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Revised/Reviewed: 09-03-2012