

MATERIAL SAFETY DATA SHEET

SECTION I - COMPANY AND PRODUCT INFORMATION

EPA REG. NO. N/A
Product SKU Number:..... 3604
Manufacturer's Name:..... Chem Lab Products, 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:..... **Aqua Guard Alkalinity Booster**
Chemical Family:..... Alkali
Formula:..... 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 - HAZARDOUS INGREDIENTS

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

SECTION III - PHYSICAL DATA

FREEZING POINT..... 851°C	DECOMPOSITION TEMPERATURE..... N/A
BOILING POINTDecomposes	BULK DENSITY (loose):..70 lbs/cu.ft
SPECIFIC GRAVITY (H ₂ 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 /m³
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: 02/23/07