Harcros Chemicals Inc

Kansas City, Kansas

MATERIAL SAFETY DATA SHEET Page 1

PRODUCT NAME : SODIUM BICARBONATE USP
PRODUCT CODE : 08096 50# BAG-POW
Date: 19-NOV-1997 14:37:30.62

CAS #: 000144558 MSDS No. 001010 Revision No./Date 01 930826
Detail Number 00486/01

FORMULA: Na HC03
CHEM. FAMILY: inorganic compounds
CHEMICAL NAME AND SYNONYMS:
Sodium Bicarbonate;
Carbonic Acid Monosodium Salt;
Baking Soda;
FS Nu-Clo Alkalinity Powder;
MSDS 001010 DETAIL 00486
SUPPLIERS NAME : Harcros Chemicals Inc.
5200 Speaker Road
Kansas City KS 66106-1095

SUPPLIERS PHONE NUMBER : 913-321-3131
TRANSPORTATION EMERGENCY PHONE NUMBER : 1-800-424-9300

S.A.R.A. INFORMATION

HAZARDS : N/A
PHYSICAL DATA : N/A

SECTION I HAZARDOUS INGREDIENTS

Ingredient Cas Number	MAX % W/W	SARA APPLIES 312	313	372	AIR CONTAMINENT LEVELS TWA/TLV (ppm)	STEL (ppm)	CEIL (ppm)	SKIN	AGENT
Sodium Bicarbonate Sodium Hydrogen Carbonate (CAS # 144-55-8)	100.0	N	N	N	PARTICULATES NOT OTHERWISE REGULATED Total TWA	15 mg/m3	OSHA		
					Total TLV	10 mg/m3	ACGIH		
					Respirable TWA	5 mg/m3	OSHA		

SECTION II HEALTH HAZARDS

POTENTIAL EFFECTS OF EXPOSURE
EYES
Eye contact with product may cause mild irritation
SKIN
Skin contact may cause minimal irritation
INHALATION
Inhalation may cause mild irritation
INGESTION
Ingestion may cause irritation excess fluid retention (edema)

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MATERIAL SAFETY DATA SHEET Page 2

PRODUCT NAME : SODIUM BICARBONATE USP
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Date: 19-NOV-1997 14:37:31.25

SECTION II HEALTH HAZARDS (CONTINUED)

TARGET ORGANS
OVEREXPOSURE MAY CAUSE DAMAGE TO,
DISORDERS OF, OR ADVERSELY AFFECT THE FOLLOWING SYSTEMS, FUNCTIONS, ORGANS: skin upper respiratory system
FIRST AID
FIRST AID EYES
Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids apart to ensure flushing of entire surface. Call a physician.
FIRST AID SKIN
Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse. Call a physician.
FIRST AID INHALATION
Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Call a physician.
FIRST AID INGESTION
Do not induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Call a physician immediately.
OTHER INFORMATION
ROUTES OF ENTRY
eye contact skin contact inhalation ingestion
OVEREXPOSURE MAY AGGRAVATE DISORDERS OF THE
skin respiratory system

SECTION III SPECIAL PROTECTION

PROTECTIVE EQUIPMENT
PROTECTIVE EQUIPMENT EYES
Always wear eye protection when working with chemicals. Do Not wear contact lenses when working with chemicals.
PROTECTIVE EQUIPMENT SKIN
clean body covering clothing
PROTECTIVE EQUIPMENT INHALATION
If exposure limits are exceeded, or if exposure may occur, use a NIOSH/MSHA respirator approved for your conditions of exposure. Refer to the most recent NIOSH publications concerning chemical hazards, or consult your safety equipment supplier. Respiratory protection programs must be in compliance with OSHA requirements in 29 CFR 1910.134. For emergencies, a NIOSH/MSHA approved positive pressure breathing apparatus should be readily available.
VENTILATION REQUIRED:
Adequate ventilation is required to minimize exposure or to maintain exposure levels below OSHA/ACGIH requirements.
ADDITIONAL PROTECTIVE MEASURES
Safety shower, eye wash fountain, and washing facilities should be readily available.

SECTION IV FIRE & EXPLOSION HAZARD DATA

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PRODUCT NAME : SODIUM BICARBONATE USP
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Date: 19-NOV-1997 14:37:31.89

SECTION III SPECIAL PROTECTION (CONTINUED)

Flash Point (METHOD): > OR = N/A
Flammable Limits (% Volume in Air) UPPER: N/D Lower: N/D

HMIS Info
Health : 1
Fire : 0
React : 0
Special : X

EXTINGUISHING MEDIA
water spray universal foam dry chemical
FIRE FIGHTING PROCEDURES
Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non essential personnel. Firefighters should wear full face, self contained breathing apparatus and impervious protective clothing.
UNUSUAL FIRE & EXPLOSION HAZARDS
Dust can be an explosion hazard. Prevent buildup of dust on walls, floors, and equipment.

SECTION V PHYSICAL DATA

Boiling Point: N/D
Freezing Point: N/D
Specific Gravity (H(2)O=1): > OR = 2.1600 @ 68 deg. F
Vapor Pressure (MM HG.): N/D
Vapor Density (AIR=1) : N/D
Evaporation Rate (NA =1): N/D
Solubility in Water: 9%
Percent Volatile by Volume: N/D
pH: aqueous approx. 8.000 to 8.600
Appearance:
SOLID - POWDER, CRYSTAL, FLAKE, GRANULE
TABLET, PRILL, BRIQUETTE, ETC.
Odor :
NIL

SECTION VI REACTIVITY DATA

STABILITY
Stable
INCOMPATABILITY
inorganic acids organic acids
HAZARDOUS DECOMPOSITION PRODUCTS
carbon dioxide

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PRODUCT NAME : SODIUM BICARBONATE USP
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Date: 19-NOV-1997 14:37:32.46

SECTION VI REACTIVITY DATA (CONTINUED)

HAZARDOUS POLYMERIZATION
Will not occur

SECTION VII SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Sweep, shovel, or pick up and return to dry, clean container.
DISPOSAL METHOD
Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable regulations under the Resource Conservation and Recovery Act. Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State.

SECTION VIII

Proper Shipping Name:

Hazard Class: UNCLASSIFIED
Label Requirements: NONE
Reportable Quantity: None

SECTION IX ADDITIONAL INFORMATION

PRECAUTIONS
Wear protective equipment when handling. Use only with adequate ventilation. Wash thoroughly after handling. Do Not breathe dust. Do Not get in eyes, or on skin.
HANDLING
For industrial use only.
STORAGE
Keep container closed when not in use. Store in a cool dry place. Keep out of reach of children.

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PRODUCT NAME : SODIUM BICARBONATE USP
PRODUCT CODE : 08096 50# BAG-POW

Date: 19-NOV-1997 14:37:32.99

NAME: GENE TURNER

DATE ISSUED: 930826
DATE REVISED: 930826

< = LESS THAN
> = MORE THAN

N/A = NOT APPLICABLE
N/D = NOT DETERMINED
N/E = NOT ESTABLISHED

UNK = UNKNOWN

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