



MATERIAL SAFETY DATA SHEET

PAGE: 1 OF 2

Date Prepared: 9/13/2001

Supersedes: 6/25/1996

BAKING SODA (SODIUM BICARBONATE)

PRODUCT NAME - BAKING SODA (SODIUM BICARBONATE)

PRODUCT NUMBER - 217364, 710594, 7581080881000

PRODUCT TYPE: Dry Granule, Food Processing Grade

SECTION 1 -

MANUFACTURER'S NAME/ADDRESS

Tone Brothers, Inc.
2301 S.E. Tone's Drive
Ankeny, IA 50021

EMERGENCY TELEPHONE NO.: 515-965-2711

Chemtec: 800-424-9300

SECTION 2 - IDENTITY/HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT(S): Not listed as a health hazard.

CAS No.: 144-55-8

OSHA PEL: Not Applicable

ACGIH TLV: Not Applicable

DOT HAZARD CLASSIFICATION: Non-Hazardous

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: Not applicable

SPECIFIC GRAVITY (H₂O= 1): 2.2

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

SOLUBILITY IN WATER: 9.0% at 20°C

REACTIVITY IN WATER: unknown

APPEARANCE & ODOR: White granules. Reacts with acids to release carbon dioxide and heat.

Product Uses: Leavening agent.

MELTING POINT: Not applicable

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT: Not Flammable METHOD USED: Not applicable

FLAM. LIMITS IN AIR % BY VOLUME: Not applicable LEL: Not applicable UEL : Not applicable

AUTO-IGNITION TEMPERATURE: Not applicable

EXTINGUISHING MEDIA: Water, water fog, carbon dioxide, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: None known

UNUSUAL FIRE & EXPLOSION HAZARDS: None known

STABILITY: Stable

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

INCOMPATIBILITY (Materials to avoid): Reacts with acids to release carbon dioxide gas and heat.

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: will not occur.



PAGE 2

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SECTION 5- HEALTH HAZARDS

Route(s) of Entry:

INHALATION: Mist may cause irritation

SKIN - EYES: May cause irritation

INGESTION: May cause irritation

HEALTH HAZARDS (ACUTE & CHRONIC):

LD 50 (rat) 4300 mg/kg (20% slurry) 6000mg/kg (50% slurry) Gosselin, Smith and Hodge, Clinical Tox. Of Comm. Products, 1984

Chronic effects from overexposure: Administration of large doses of sodium bicarbonate to patients with renal insufficiency can product systemic alkalosis.

NFPA : not known Hazardous materials Identification system (HMIS) Code: 1,0,0.

Carcinogenicity: It is not listed as a carcinogen by NTP (National Toxicology Program). It is not regulated as a carcinogen by OSHA (Occupational Safety and Health Administration).

SIGNS AND SYMPTOMS OF EXPOSURE:

Skin - Eyes: May cause irritation. **Inhalation:** May cause irritation. **INGESTION:** May cause irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: unknown.

EMERGENCY FIRST AID PROCEDURES

ROUTES OF ENTRY:

EYES - Flush immediately with large amounts of water for at least 15 minutes, Contact physician.

SKIN - Flush with plenty of soap & water. Contact physician if irritation persists.

INHALATION - Remove victim to fresh air, contact physician

INGESTION - Give large quantities of water. If condition persists, contact physician.

SECTION 6 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: To avoid irritation wear gloves and eye protection when in direct contact with material.

OTHER PRECAUTIONS: none known

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up as much as possible for salvage or disposal. Wash away residue with water.

WASTE DISPOSAL METHODS: Can dispose of uncontaminated product in a secured landfill in accordance with all Federal, State, and Local Regulations.

SECTION 7 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES:

RESPIRATORY PROTECTION (SPECIFY TYPE): OSHA-NIOSH approved dust respirator if excessive visible dust levels are expected.

VENTILATION: Use local exhaust or general room dilution when excessive dust is expected.

EYES: Chemical Goggles

SKIN: Rubber or equivalent gloves

OTHER PROTECTIVE CLOTHING AND EQUIPMENT: full cover clothing

WORK/HYGIENIC PRACTICES: Good Housekeeping Practices. Limit direct contact to avoid irritation.

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