

Material Safety Data Sheet



Section 1: PRODUCT AND COMPANY IDENTIFICATION

Vi-Jon Incorporated
8515 Page Avenue
Saint Louis, MO 63114

Phone: 314-427-1000
In Case of Spill Emergency Contact:
Chemtrec: 1-800-424-9300

Product Name: Sodium Bicarbonate USP
Product Code: 103
Product Use: Various
Issue Date: 04/18/2008
Supersedes Date: None

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Keep out of reach of children.
Appearance/Odor: White, odorless, granular solid.

CAUTION: Reacts with acids to release carbon dioxide gas and heat.

Potential Health Effects: See Section 11 for more information.

Symptoms of Exposure:

Inhalation: May cause irritation of the respiratory tract.
Ingestion: May cause nausea, vomiting and diarrhea.
Eyes: May cause irritation to the eyes.
Skin: May cause skin irritation.

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

This material does not contain any components that are considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

There are no hazardous components.

Section 4: FIRST AID MEASURES

Emergency first aid procedures by route of exposure:

- Inhalation:** If symptoms are experienced, remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion:** Do not induce vomiting. If the material is swallowed and symptoms are experienced, get medical attention or advice.
- Skin:** If irritation is experienced, wash with soap and water. If irritation persists, get medical attention.
- Eyes:** Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, get medical attention.

Section 5: FIRE FIGHTING MEASURES

Flash Point: Not Available

Method Used: Not Available

Auto Ignition: Not Available.

Flammability Classification: Not Available

Extinguishing Media: Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, alcohol foam, or polymer foam.

Products of Combustion: Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.

Fire Fighting Equipment/Instructions: Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self contained breathing apparatus.

NFPA Rating: Health: Not Available Fire: Not Available Instability: Not Available

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: For large spills wear gloves, safety glasses and when levels exceed OSHA PEL use appropriate NIOSH approved respiratory protection. Keep unnecessary personnel away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Environmental Precautions: Prevent discharge to open waters.

Methods for Clean-Up: Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area.

Section 7: HANDLING AND STORAGE

Handling: Keep away from heat, sparks and flame. Prevent contact with eyes.

Storage: Keep the container tightly closed and in a cool, well ventilated place.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Normal room ventilation is usually adequate under normal use.

Personal Protective Equipment (PPE)

Eye/Face Protection: None needed under normal use.

Skin Protection: None needed under normal use.

Respiratory Protection: None needed under normal use.

General Hygiene Considerations: None needed under normal use.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Color: A white, granular solid

Odor: Odorless

Physical State: Solid

pH: Not Available

Vapor Density: Not Available

Boiling Point: Not Available

Vapor Pressure: Not Available

Melting Point: 270°C (with decomposition)

Freezing Point: Not Available

Flash Point (see section 5)

Flammability Properties (see section 5)

Solubility (in water): Soluble

Density @ 20°C: 1.1208 g/cm³

Evaporation Rate: Not Available

Octanol/Water partition coefficient (K_{ow}): Not Available

Auto-ignition temperature: Not Available

Decomposition temperature: Not Available

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal ambient temperatures 70°C (21°C)

Condition to Avoid: Avoid excessive heat or sources of ignition.

Incompatible Materials: This product reacts with strong acid, strong bases, and oxidizing agents.

Hazardous Decomposition: upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.

Hazardous Reactions: Hazardous polymerization will not occur.

Section 11: TOXICOLOGY INFORMATION

ACUTE EFFECTS:**A: General Product information**

Not expected to cause irritation when used in accordance to label.

B: Product Analysis LD50

Oral LD50 Rat: 4220 mg/kg

CHRONIC EFFECTS:

Carcinogenicity: No information available for product.

Neurotoxicity: No information available for product.

Mutagenicity: No information available for product.

Reproductive: No information available for product.

Developmental: No information available for product.

Target Organs: No information available for product.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Sodium Bicarbonate (144-55-8)

120 Hr EC50 Nitzschia linearis: 650 mg/L

96 Hr LC50 Lepomis macrochirus: 8250-9000 mg/L [static]

48 Hr EC50 Daphnia magna: 2350 mg/L

Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations.

Section 14: TRANSPORTATION INFORMATION

This material is not regulated as a hazardous material for transportation.

Section 15: REGULATORY INFORMATION

No information available for product.

Section 16: Other Information

Disclaimer:

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