

CRYSTAL MARK, INC.

A SWAN TECHNOLOGIES CORPORATION
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MATERIAL SAFETY DATA SHEET

Flammability: 0

Health: 0

Reactivity: 0

Hazard: 0

Rating consistent with NFPA code.

SECTION I - PRODUCT IDENTIFICATION

Trade Name: Sodium Bicarbonate #34 (75microns)

Date Prepared: 05-14-09

Manufacturer's Name: **CRYSTAL MARK, INC.**

613 Justin Avenue
Glendale, CA 91201

Phone Number: (818) 240-7520

SECTION II – INGREDIENTS

Chemical Names: Soda Bicarbonate

Description: Inorganic Salt

CAS Numbers: 144-55-8

Chemical Names: NaHCO₃

SECTION III - PHYSICAL DATA

Boiling Point: DNA

Melting Point: Decomposes at 228 °F

Specific Gravity: .96-.99 Gm/cc

Vapor Pressure: DNA

Vapor Density: DNA

Evaporation Rate: DNA

Solubility in Water: Moderate

Appearance and Odor: White, crystalline powder, no odor.

(DNA: Does not apply.)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non-Combustible

Flammable Limits: LEL: N/A UEL: N/A

Extinguishing Media: Water, Alcohol Foam or Dry Chemical

Special Firefighting Procedures: If extremely large quantities are involved, significant levels of CO₂ may be generated making necessary the use of a self contained breathing apparatus (CO₂ is an asphyxiant at levels over 5%) Soda ash, another thermal decomposition product existing at temperatures above 1500 °F is a respiratory, eye and skin irritant. Avoid contact and inhalation of dusts.

Unusual Fire and Explosion Hazards: None known

SECTION V - HEALTH HAZARD DATA

Effects of Overexposure [*Conditions to Avoid*]:

Contact with Skin and Eyes - Mild skin and eye irritation.

Swallowed - Large doses have produced systemic arkoses and expansion in intracellular fluid Volume with edema.

Emergency and First Aid Procedures:

Flush with copious amounts of water for 15 minutes. Seek medical attention if irritation persists.
Seek medical attention immediately if overdose has been taken.

SECTION VI - REACTIVITY DATA

Stability: STABLE

Conditions to avoid: Temperatures above 228 F

Incompatibility (materials to avoid): Reacts with acids to form Salt, Water and Carbon Dioxide.

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: Yields about 1% per hour sodium carbonate when temperature is raised to 190 F. Dust may then be irritating to eyes, skin and respiratory track. Heating above 228 F may cause dangerous levels of CO₂ gas to be present in the atmosphere.

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Normal clean up procedures.

Waste Disposal Method: Disposal must be made in accordance to Federal, State and Local Regulations.

Precautions to be taken in handling and storage: Do not store near incompatible substances.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Dust Mask required if total dust levels exceed 10mg/m³.

Ventilation: Handle with adequate ventilation for nuisance dust.

Protective Gloves: As desired

Eye Protection: As desired

Other Protective Equipment: No special requirements

Work/Hygienic practices: No special requirements

SECTION IX - TRANSPORTATION REGULATORY REQUIREMENTS

Not regulated by D.O.T.

NAIF = No applicable information found N/A = Not Applicable

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General Manager