



CRYSTAL MARK, INC.

A Swan Technologies Corporation

MATERIAL SAFETY DATA SHEET

Flammability: 0	Health: 0
Reactivity: 0	Hazard: 0
Rating consistent with NFPA code.	

SECTION I - PRODUCT IDENTIFICATION

Trade Name:	#34 Soda Bicarbonate Micro-graded Soda.	Date Prepared: June 10, 2013
Manufacturer's Name:	CRYSTAL MARK, INC. 613 Justin Avenue Glendale, CA 91201 USA	Phone Number: (818) 240-7520 FAX: (818) 247-3574

SECTION II – INGREDIENTS

Chemical Names:	Soda Bicarbonate	Description: Inorganic Salt
CAS Numbers:	144-55-8	Chemical Names: NaHCO ₃

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 CO ₂ may be generated making necessary the use of a self contained breathing apparatus (CO ₂ is an asphyxiate 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 alkalis 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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