

MATERIAL SAFETY DATA SHEET –SS-1007-C FOR SEALERS

DATE: 05/01/13

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SS-1007-C for sealer for concrete

CHEMICAL NAME & SYNONYMS: Sodium Bicarbonate Solution

PROCESSOR NAME: SureCoat Systems 2940-A East La Jolla Street Anaheim, CA 92806 Phone: (714) 633-5706

CHEMICAL FAMILY: Water Solution of modified sodium bicarbonate CAS #: not issued

CHEMICAL FORMULA: Proprietary mixture of water and sodium bicarbonate

24 HOUR EMERGENCY TELEPHONE: SureCoat Systems (714) 633-5706 or CHEMTREC 800.424.9300

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredient (% by Weight) CAS Number :

Sodium Bicarbonate

Case No. 144-55-8

Water

Not hazardous under OSHA Standard 29 CFR 1910.1200. Not a WHMIS controlled substance. Contains no VOCs.

SECTION 3. HAZARDS IDENTIFICATION

White crystalline powder in water solution; no odor. Not a fire hazard. No significant health or environmental effects associated with this material. Health 0 Fire 0 Reactivity 0

Potential Health Effects

EYE: Not an eye irritant. **SKIN CONTACT:** Not a skin irritant. **INGESTION:** Material is practically non-toxic. Small amounts (1-2 tablespoonfuls) swallowed during normal handling operations are not likely to cause injury as long as the stomach is not overly full; swallowing larger amounts may cause injury (see Note in Section IV). **INHALATION:** None known. **SUBCHRONIC EFFECTS/CARCINOGENICITY:** Based on published studies on its effects in animals and humans, sodium bicarbonate and water solution is not teratogenic or genotoxic. Only known subchronic effect is that of a marked systemic alkalosis. Not classified as carcinogenic by NTP, IARC, OSHA, ACGIH or NIOSH.

SECTION 4. FIRST AID MEASURES

EYES: Check for and remove contacts. Flood eyes with clean flowing water, low pressure and lukewarm (not hot) if possible, occasionally lifting eyelids.

INGESTION: If large amounts of this material are swallowed, do not induce vomiting. Administer water if person is conscious. Never give anything by mouth to an unconscious person. Seek medical attention.

NOTE TO PHYSICIAN: Large doses may produce systemic alkalosis and expansion in extra-cellular fluid volume with edema.

SECTION 5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES FLAMMABLE LIMITS: FLASHPOINT: Not combustible

LFL: Not applicable METHOD USED: Not applicable UFL: Not applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

EXTINGUISHING MEDIA: Non-combustible material. Use extinguishing media appropriate for surrounding fire.

FIRE-FIGHTING INSTRUCTIONS: Carbon Dioxide may be generated making necessary the use of a self-contained breathing apparatus (SCBA) and full protective equipment (Bunker Gear). Carbon dioxide is an asphyxiate at levels over 5% w/w. Sodium oxide, another thermal decomposition product existing at temperatures above 1564°F is a respiratory, eye, and skin irritant. Avoid inhalation, eye and skin contact with sodium oxide dusts.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Wash away uncontaminated residue with water.

SECTION 7. HANDLING AND STORAGE

Store in cool and away from incompatible substances (see Section 10). Sodium Bicarbonate reacts with acids to yield carbon dioxide gas which can accumulate in confined spaces. Do not enter confined spaces until they have been well ventilated and carbon dioxide and oxygen levels have been determined to be safe.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: none EYE PROTECTION: Safety glasses when handling.

PROTECTIVE CLOTHING OR EQUIPMENT: Full cover clothing. Apron where splashing may occur when working with solutions. Impervious gloves when working with solutions.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White to clear solution. ODOR: None. PHYSICAL STATE: Solution
pH AS IS: Not Applicable pH (1% SOLN. w/v): 10.2 VAPOR PRESSURE: Not applicable.
VAPOR DENSITY: Not applicable. BOILING POINT: 100 °C (212 °F)
FREEZING/MELTING POINT: 32°F SOLUBILITY IN WATER: 100% % VOLATILE: Not applicable.
VOLATILE ORGANIC COMPOUNDS: Not applicable. MOLECULAR WEIGHT: 84.02

SECTION 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable. CONDITIONS TO AVOID: Temperatures above 65°C (150°F).
INCOMPATIBILITY WITH OTHER MATERIALS: Reacts with acids to yield carbon dioxide. Also may yield free caustic in presence of lime dust (CaO) and moisture (i.e., water, perspiration).
HAZARDOUS DECOMPOSITION PRODUCTS: Heating above 100°C may cause dangerous levels of carbon dioxide gas to be present in confined spaces. Yields sodium oxide if exposed to temperatures above 850°C.
Avoid inhalation, eye and skin contact with sodium oxide.
HAZARDOUS POLYMERIZATION: Not applicable.

SECTION 11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: The material was minimally irritating to unwashed eyes and practically non-irritating to washed eyes (rabbits).
SKIN EFFECTS: Not a skin irritant or dermally toxic. Not a contact sensitizer.
ACUTE ORAL EFFECTS: Acute Oral-rat LD₅₀ = 7.3 g/kg. ACUTE INHALATION: LC₅₀ (rat) > 4.74 mg/l.

SECTION 12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY: Daphnids: EC₅₀ = 4100 mg/l. Bluegill: LC₅₀ = 7100 mg/l. Rainbow Trout: LC₅₀ = 7700 mg/l.
PERSISTENCE: This product is not expected to persist in the environment.
BIOACCUMULATION: This product is not expected to bioaccumulate.

SECTION 13. DISPOSAL CONSIDERATIONS

Bury in a secured landfill in accordance with all local, state and federal environmental regulations.

SECTION 14. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not regulated TECHNICAL SHIPPING NAME: Sodium Bicarbonate Solution
D.O.T. HAZARD CLASS: None U.N./N.A. NUMBER: none D.O.T. LABEL: None
HAZARDOUS SUBSTANCE/RQ: None HS Tariff Code: 2836.30.00

SECTION 15. REGULATORY INFORMATION

CLEAN AIR ACT SECTION 611: Material neither contains nor is it manufactured with ozone depleting substances (ODS).
FEDERAL WATER POLLUTION CONTROL ACT (40 CFR 401.15): Material contains no intentionally added or detectable (contaminant) levels of EPA priority toxic pollutants.
US DEPARTMENT OF AGRICULTURE: List of Proprietary Substances - Permitted Use Codes 3A, J1, A1, G1, and L1.
CERCLA REPORTABLE QUANTITY: None
OSHA: Not hazardous under 29 CFR 1910.1200
RCRA: Not a hazardous material or a hazardous waste by listing or characteristic.
SARA TITLE III: Section 302, Extremely Hazardous Substances: None
Section 311/312, Hazardous Categories: Non-hazardous Section 313, Toxic Chemicals: None
Sodium Bicarbonate is reported in the EPA TSCA Inventory List.
This material is listed on the CANADIAN DSL
This material is neither a volatile organic compound nor does it contain VOCs.
This material is not listed as carcinogen or potential carcinogen by NTP Annual Report, IARC Group I or II, OSHA 29 CFR Part 1910 Subpart Z, or ACGIH Appendix A.
NSF STANDARD 60: Corrosion and Scale Control in Potable Water. Max use 200 mg/l.
EUROPEAN INVENTORY (EINECS): 205-633-8
JAPANESE INVENTORY (MITI): 1-164
AUSTRALIAN INVENTORY (AICS): Carbonic acid, monosodium salt.

SECTION 16. OTHER INFORMATION

Disclaimer/Warranties: Neither manufacturer nor seller have any knowledge or control concerning the purchaser's use of the product. No expressed warranty is made by manufacturer or seller with respect to the results of any use of the product or container that the product comes in. No implied warranties including, but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose are made with respect to the product. User shall rely on his or her own information and tests to be determine suitability of the product for the intended use and user assumes all risk and liability resulting from use of the product. Neither manufacturer nor seller assume any liability for personal injury, loss or damage resulting from the use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones which may exist. In event that the product shall prove defective, buyer's exclusive remedy shall be that the seller or manufacturer shall, upon written request of buyer, replace any quantity of the product which is proven to be defective or shall, at its option, refund the purchase price of the product upon return of the product. Manufacturer shall not be responsible for use of this product in a manner to infringe on any patent held by others.