



Safety Data Sheet

Section 1. Identification

Product name: Buffer Control Tablet
 Product code: 4057-00
 General Use: Alkaline phosphatase test reagent
 Product description: Tablet
 Responsible Party: Weber Scientific Inc.
 2732 Kuser Rd Hamilton NJ 08691
 609-584-7677

Emergency: Chem-Tel 800-255-3924
Outside USA: 813-248-0585

Section 2. Hazards Identification

In the tablet form this product has minimal potential health effects.
 Internal toxicity is low.
 Direct contact with the powdered product causes irritation of the eyes and skin.
 INHALATION: Excessive levels of airborne dust may irritate the mucous membranes and the upper respiratory tract.
 SKIN: Continuous contact with the powdered product may cause red, dry, cracked skin.
 EYES: Direct contact with the powdered product causes irritation of the eyes.

Section 3. Composition/Information on Ingredients

<u>Component</u>	<u>CAS #</u>	<u>% by weight</u>	<u>OSHA PEL</u>	<u>MSHA TWA</u>	<u>Title III</u>
Sodium Chloride (NaCl) (a)	7647-14-5	55-70	n/a	n/a	no
Sodium Sesquicarbonate Dihydrate (a,b) (Na ₂ CO ₃ • NaHCO ₂ • 2H ₂ O)	533-96-0	25-40	15 mg/m ³ (total dust)	10 mg/m ³ (total dust)	yes

(a.) See Section 15

(b) Refer to Section 13 "Disposal Considerations" for Resource Conservation and Recovery Act (RCRA) status in 40 CFR 260-281.

Section 4- First Aid Measures

INHALATION: Remove affected person to fresh air, If breathing is difficult or discomfort occurs obtain medical attention.

SKIN: Wash affected area with soap and water, launder contaminated clothing before reuse, if irritation persists seek medical attention.

EYES: Remove contact lenses, flush eyes with clear running water for 15 minutes while holding eyelids open, if irritation persists seek medical attention.

INGESTION: Drink plenty of water. Never give anything by mouth to an unconscious person. If any discomfort persists obtain medical attention.

Section 5- Fire Fighting Measures

EXTINGUISHING MEDIA: Carbon dioxide, water, water fog, dry chemical.

HAZARDOUS COMBUSTION PRODUCTS: fumes of sodium oxide.

SPECIAL FIRE FIGHTING PROCEDURES: none.

FLASH POINT : not applicable

FLAMMABLE LIMITS: not applicable

AUTOIGNITION TEMPERATURE: not applicable

MECHANICAL IMPACT, STATIC DISCHARGE, AND EXPLOSION HAZARDS: none.

Section 6- Accidental Release Measures

PERSONAL PROTECTION: Federal guidelines treat the ingredients in this product, in their powdered forms as a nuisance dust with no product-specific guidelines.

RESPIRATORY PROTECTION: Whenever dust in the worker's breathing zone can not be controlled with ventilation the workers should wear respirators or dust masks approved by NIOSH or comparable certification organizations to protect from airborne dust.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: This tableted product is generally non-irritating to intact skin. Skin irritation may occur where skin has been damaged. In this situation minimize skin contact by wearing gloves.

Prevent large quantities of this product from contacting vegetation or waterways; large spills could kill vegetation or fish. If spilled, vacuum or sweep-up the material. Federal regulations do not require notification for spills of this product. State and local regulations may contain different requirements; consult local authorities.

Section 7- Handling and Storage

Safe Handling: Avoid breathing concentrated dust and wear dust mask as required to prevent contact with eyes.

Safe Storage: Protect from excessive heat and moisture, store away from acids.

Section 8- Exposure Controls/Personal Protection

EXPOSURE LIMITS: None in this tablet form.

ENGINEERING CONTROLS: no specific measures required for this tableted product. Use local exhaust ventilation to keep airborne levels of powdered product below recommended exposure limits

PERSONAL PROTECTION:

Federal guidelines treat the ingredients in this product, in their powdered forms as a nuisance dust with no product-specific guidelines.

RESPIRATORY PROTECTION: Whenever dust in the worker's breathing zone can not be controlled with ventilation the workers should wear respirators or dust masks approved by NIOSH or comparable certification organizations to protect from airborne dust.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: This tableted product is generally non-irritating to intact skin. Skin irritation may occur where skin has been damaged. In this situation minimize skin contact by wearing gloves.

Section 9- Physical and Chemical Properties

BOILING POINT: n/a
VAPOR DENSITY: (air = 1): n/a
VISCOSITY: n/a
FREEZING POINT: n/a
VAPOR PRESSURE @ 68°F: n/a
SOLUBILITY IN WATER: soluble
EVAPORATION RATE (n-butyl acetate =1): n/a
PHYSICAL STATE: solid tablet

VOLATILE ORGANIC CMPDS (total VOCs): none for inorganic materials.

Section 10- Stability and Reactivity

CHEMICAL STABILITY: Stable
INCOMPATIBILITY (materials to avoid): aluminum powder, strong acids, and fluorine.
CONDITIONS OF REACTIVITY / TO AVOID: none other than contact with acids
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: none.
HAZARDOUS POLYMERIZATION: will not occur

Section 11- Toxicological Information

<u>Components</u>	<u>CAS #</u>	<u>% by weight</u>	<u>LD₅₀ Species</u>	<u>LCD₅₀ species</u>
Sodium Chloride (NaCl)	7647-14-5	55-70	3000 mg/kg oral-rat	>42,000 mg/m ³ inhalation-rat
Sodium Sequicarbonate Dihydrate (Na ₂ CO ₃ • NaHCO ₂ • 2H ₂ O)	533-96-0	25-40	>2000 mg/kg oral-rat	> 5.03mg /4 hr inhalation-rat

Section 12- Ecological Information

No data are available on the adverse effects of this material on the environment. Not listed as a hazardous pollutant (40 CFR 116) nor as a toxic pollutant (40 CFR 401.15) in the Clean Water Act (CWA) Section 307/311. Based on the chemical composition of this product it is assumed that it can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system.

Section 13- Disposal Considerations

Dispose of in accordance to Local, State and Federal Regulations. This product is not listed as a hazardous waste according to US Federal RCRA regulations. Refer to "40 CFR Protection of the Environment Parts 260-299".

Section 14- Transport Information

UN NUMBER: none
PROPER SHIPPING NAME: none
HAZARD CLASS n/a
PACK GROUP n/a
IATA HAZARD CLASS/ pack group: not regulated
IMDG HAZARD CLASS: not regulated
Canadian TDG Class/Division: n/a
HAZARD SYMBOLS: n/a

Section 15- Regulatory Information

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA Inventory

SARA Title III (Superfund Amendments and Reauthorization Act)

Section 302: not listed

Section 311/312 Hazard Categories : immediate acute health hazard

Section 313 Reportable Ingredients: none

CERCLA (Comprehensive Response Compensation and Liability Act): not listed as a hazardous substance

California Proposition 65: not listed

WHMIS Canadian Workplace hazardous materials information system: hazard classification: n/a,

IDL (Canadian Ingredient Disclosure List)

Components of this product listed on the Canadian Ingredient Disclosure List are shown in Section 3.

EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product are on the European Inventory of Existing Commercial Chemical Substances

EC Risk Phrases

None

EC Safety Phrases

none

Section 16- Other Information

SDS prepared by: Fred Weber
President
Weber Scientific

Telephone 609-584-7677

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that the information is current, applicable, and suited to the circumstances of use. Weber Scientific assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Weber Scientific assumes no responsibility for injury caused by abnormal use of this product even if reasonable safety procedures are followed.