

PROtech MATERIAL SAFETY DATA SHEET

I - PRODUCT IDENTIFICATION

Product: pHree & Clear Balance Tabs
Chemical Family:
Formula:
CAS Number:
Synonyms:

COMPANY IDENTIFICATION

AllChem Performance Products, LP
6010 NW First Place
Gainesville, FL 32607
Tel: 352-378-9696

DISTRIBUTED BY:

WINDO
Suite 200 Post Place / West 721 Boone
Spokane, WA 99201

24 HR EMERGENCY TELEPHONE NUMBER

INFOTRAC (Transportation): (800)535-5053

II – COMPOSITION, INFORMATION ON INGREDIENTS

Chemical or Common Name:	Exposure Limits	
	OSHA PEL:	ACGIH TLV:
Sodium Bicarbonate	144-55-8	85-95%
Sodium Carbonate	497-19-8	5-15%

Contains no other hazardous ingredients greater than 1% (and 0.1% for carcinogens) as listed or defined in 29 CFR 1910.

III - HAZARDS IDENTIFICATION

Emergency Overview: White 3 inch diameter tablet; no odor. May cause mild, transient eye irritation. Not a fire hazard. No significant health or environmental effects associated with this material.

Primary Route(s) of Entry:

Ingestion: ()
Inhalation: ()
Skin Contact: ()
Eye Contact: ()

Primary Health Hazards (Acute and Chronic):

Carcinogenity Listings:

Sub-Chronic effects: Carcinogenicity: Only know sub-chronic effect is that of a marked systemic alkalosis. IARC, NTP, OSHA, or ACGIH does not list the material as a carcinogen or potential carcinogen.

Signs & Symptoms of Exposure:

Ingestion: Material is practically non-toxic. Small amounts (a mouthful) 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.

Inhalation: May aggravate existing respiratory conditions and cause drying of mucous membranes.

Skin Contact: Not a primary skin irritant. Some irritation may occur under conditions of repeated, prolonged or occluded contact.

Eye Contact: Potential for mild transient eye irritation.

Medical Conditions Aggravated by Exposure:

IV- FIRST AID MEASURES

Emergency and First Aid Procedures:

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.

PROtech MATERIAL SAFETY DATA SHEET

Inhalation: Move to an area free from risk of further exposure. Treat symptomatically and supportively. Seek medical attention if irritation persists.

Skin Contact: Wash exposed areas thoroughly with soap and large amount of water.

Eye Contact: Check for and remove contacts if present. Flush eyes with clean flowing water, low pressure and lukewarm (not hot) if possible, occasionally lifting eyelids. See medical attention if irritation persists.

Note to Physician: Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.

V – FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not combustible

Flammable Limits:

LEL: Not Applicable

UEL: Not Applicable

Extinguishing Media: Non-combustible material. Use extinguishing media appropriate for surrounding fire.

Special Fire-fighting Procedures: 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 asphyxiant at levels over 5% w/w. Sodium oxide, another thermal decomposition product, is a respiratory, eye, and skin irritant. Avoid inhalation, eye and skin contact with sodium oxide dusts.

Unusual Fire and Explosion Hazards: None Known.

VI – ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released:

Scoop up into dry, clean containers for disposal. Wear appropriate personal protective equipment. Wash away uncontaminated residue with water.

VII – HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storage:

Store in a cool, dry area, away from incompatible substances. Sodium bicarbonate reacts with acids to yield carbon dioxide gas that 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.

Other Precautions:

VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Dust mask required if total dust level exceeds 10 mg/m³.

Ventilation:

Local Exhaust:

Mechanical Exhaust:

Other Protective Clothing or Equipment: General purpose (cotton or canvas) gloves recommended for repeated or prolonged handling dry product. Impervious gloves recommended when working with solutions. Use safety glasses or goggles when handling bulk material or when dusts are generated. Clean cover clothing is sufficient. Apron where splashing may occur when working with solutions.

Work/ Hygienic Practices: No special requirements with respect to chemical exposure beyond those provided above. Requirements with respect to specific equipment and applications are the responsibility of the user.

Exposure Limit: None established. Recommend ACGIH limit of 10 mg/m³ for Particulates Not Otherwise Classified (PNOC).

IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Not applicable

Vapor Pressure (mm Hg): Not applicable

Vapor Density (Air=1): Not applicable

PROtech MATERIAL SAFETY DATA SHEET

Solubility in Water: 8.6 g/100 ml @ 20°C
Appearance and odor: Solid white 3" diameter tablet – no Odor.
Specific Gravity (H₂O=1):
Percent volatile by volume: Not applicable
Freezing/Melting Point: Not applicable
Evaporation Rate:
pH (1% soln, w/v): 8.9
pH (saturated solution): 8.9 – 9.5 @ 20°C
Bulk Density (g/cc): 62 lb/Ft³
Volatile Organic Compounds: None
Molecular Weight: Mixture

X – STABILITY AND REACTIVITY

Stability: Unstable Stable
Conditions to Avoid: Temperatures above 65°C (150°F)
Incompatibility: 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 650°C.
Hazardous Polymerization: May Occur Will Not Occur

XI - TOXICOLOGICAL INFORMATION

Eye Effects: May irritate. Any effects are expected to be transient and fully reversible.
Skin Effects: May cause varying degrees of irritation under conditions of repeated, prolonged, or occluded contact. Would not be toxic dermally, a primary skin irritant, or a contact sensitizer based on the available information on the ingredients.
Acute Oral Effects: Practically non-toxic, LD50 expected to be > 5.0 g/kg based on available information on the ingredients.
Acute Inhalation: May affect existing respiratory conditions and cause mucosal irritation. LC50 expected to be > 5.0 mg/l based on available ingredient information.
Target Organ Toxicity:
Reproductive and Development Toxicity:
Carcinogenicity:
Mutagenicity:

XII – ECOLOGICAL INFORMATION

Aquatic Toxicity:
Avian Toxicity:

ENVIRONMENTAL HAZARDS (PR Notice 93-10)

This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water board or Regional Office of the EPA.

XIII – DISPOSAL CONSIDERATIONS

PROtech MATERIAL SAFETY DATA SHEET

Waste Disposal Method:

Bury in a secured landfill in accordance with all local, state, and federal environmental regulations. Empty containers may be incinerated or discarded as general trash.

XIV - TRANSPORTATION DATA

Please refer to applicable regulations or call company noted under Section I.

XV - REGULATORY INFORMATION

SARA Title III:

Section 302, Extremely Hazardous Substances: None

Section 311/312, Hazardous Categories: Immediate (acute)

Section 313, Toxic Chemicals: None

Clear 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.

CERCLA Reportable Quantity: None

RCRA: Not a hazardous material or a hazardous waste by listing or characteristic.

TSCA: The ingredients in this product are reported in the EPA TSCA Inventory list.

DSL: The ingredients in this product are listed on the Canadian DSL.

The ingredients in this product are not listed as carcinogens or potential carcinogens by NTP Annual Report, IARC Group I or II, OSHA 29 CFR 1910 subpart Z, or ACGIH Appendix A.

This material is neither a volatile organic compound nor does it contain VOCs.

XVI - ADDITIONAL INFORMATION

This MSDS replaces the 07/18/2005 version. Any changes in information are as follows: Section XIV

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL.

Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section XV of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.

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