

Johnson-Promident Safety Data Sheet

Section 1: Identification

Product Name: Jetstream Prophy Powder

Product Code: 500004

Manufacturer/Supplier: Johnson-Promident

Address: 618 Corporate Way Unit 1, Valley Cottage NY 10989

General Information: 845-589-0210

Emergency Number: Chemtrec: 800-424-9300

Section 2: Hazard(s) Identification

Emergency Overview

White crystalline powder; no odor

Not a fire hazard

No significant health or environmental effects associated with this material.

HMIS Rating

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 tablespoonsful) 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 is not teratogenic or genotoxic. Only known subchronic effects is that of a marked systemic alkalosis. Not classified as carcinogenic by NTP, IARC, OSHA, ACGIH, or NIOSH.

Section 3: Composition/Information on Ingredients

Chemical Ingredient	% by Weight	CAS Number
Sodium bicarbonate	100%	144-55-8

Not hazardous under OSHA Standard 29 CFR 1910.1200.

Not a WHMIS controlled substance.

Section 4: First-Aid Measures

Eyes: Check for and remove contacts. Flood eyes with clean flowing water, low pressure and luke

warm (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.

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

Section 5: Fire-Fighting Measures

Flammable Properties

Flashpoint: Not combustible

Method Used: N/A

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 asphyxiant 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.

Unusual Fire and Explosion Hazards: None known.

Flammable Limits

LFL: N/A

UFL: N/A

Section 6: Accidental Release Measures

Scoop up into dry, clean containers. Wash away small uncontaminated amounts of residue with water.

Section 7: Handling and Storage

Store in cool, dry areas 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

Airborne Exposure Limits: None established.

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

Protective Gloves: General purpose for handling dry product. Impervious gloves when working with solutions.

Eye Protection: Safety glasses when handling bulk material or when dusts are generated.

Other Protective Clothing or Equipment: Full cover clothing. Apron where splashing may occur when working with solutions.

Section 9: Physical and Chemical Properties

Appearance: White, crystalline powder

Odor: None

Physical State: Solid

pH As Is: N/A

pH (1% SOLN. w/v): 8.2
Vapor Pressure: N/A
Vapor Density: N/A
Boiling Point: N/A
Freezing/Melting Point: N/A
Solubility in Water: 8.6g/100ml@20°C
Bulk Density (g/cc): 62 lb./Ft³
% VOCs: N/A
Volatile Organic Compounds: N/A
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). Dangerous reaction with monoammonium phosphate or a sodium-potassium alloy.
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: N/A.

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* (non-mandatory)

Aquatic Toxicity:
Daphnids: EC₅₀=4100 mg/l
Bluegill: LC₅₀=7100 mg/l
Rainbow Trout: LC₅₀=7700 mg/l.
Persistence: This product is expected to persist in the environment.
Bioaccumulation: This product is not expected to bioaccumulate.
Biodegradation: This material is inorganic and not subject to biodegradation.

Section 13: Disposal Considerations* (non-mandatory)

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.

Section 14: Transport Information* (non-mandatory)

D.O.T. Shipping Name: Not regulated

Section 15: Regulatory Information* (non-mandatory)

CLEAN AIR ACT SECTION 611: Material neither contains nor is 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.

FOOD AND DRUG ADMINISTRATION: Generally Recognized as Safe (GRAS) direct food additive (21 CFR 184.1736).

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 Quantities: Non-hazardous

Section 313, Toxic Chemicals: None

Sodium bicarbonate is reported in the EPA TSCA Inventory List.

Contains no VOCs.

NATIONAL STOCKING NUMBER: 6810002646618, Contract No. DLA 40086C1831

NSF STANDARD 60: Corrosion and Scale Control is Portable Water. Max use 200 mg/l.

CANADA-DSL

EUROPEAN INVENTORY (EINECS): 205-633-8

JAPANESE INVENTORY (MITI): 1-164

AUSTRALIAN INVENTORY (AICS): Carbonic acid, monosodium salt.

KOREA –Yes

PHILLIPINES - Yes

Section 16: Other Information