

SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION 1

Product Name: Sequestering Compound
Product ID: Sequestering Compound
Synonyms: Sodium Hexametaphosphate, sodium salt
Date: 2-15-2016
Molecular Formula: $\text{Na}_6\text{P}_6\text{O}_{18}$
CAS Number: 68915-31-1
Recommended Use: Water treatment for scale and corrosion prevention and water softener.
Manufactured By: Wego Chemical Group
 239 Great Neck Road
 Great Neck, NY 11021
 (516) 487-3510
Emergency Phone Number: For leak, fire, spill or accident emergencies call Chemtrec 1-800-424-9300.
Sold By: Baleco International Inc.
 3200 Stateline Rd
 North Bend, OH 45052
 1-513-353-3002

SECTION 2 HAZARDS IDENTIFICATION 2

Emergency Overview

Potential Health Effects

Primary entry routes skin contact and inhalation.

Target organs

NFPA:



HMIS:

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	☐

Classification of the Substance or Mixture

Classification (GHS-US) Not classified

Label Elements

GHS-US Labeling No labeling applicable

Hazards not otherwise classified (HNOC) or not covered by GHS - None

Acute Effects

Inhalation: May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

Eye: May cause irritation, redness and pain.

Ingestion: Phosphates are slowly and incompletely absorbed when ingested, and seldom result in systemic effects. Such effects, however, have occurred. Symptoms may include vomiting, lethargy, diarrhea, blood chemistry effects, heart disturbances and central nervous system effects. The toxicity of phosphates is because of their ability to sequester calcium. Systemic acidosis may result as this material is believed to hydrolyze into phosphoric acid when ingested.

Carcinogenicity: IARC, NTP, and OSHA do not list Sodium Hexametaphosphate as a carcinogen.

Medical conditions aggravated by long term exposure: Persons with pre-existing skin disorders or eye problems, jaw/tooth abnormalities, or impaired liver, kidney or respiratory function may be more susceptible to the effects of the substance.

Chronic effects: May sequester calcium and cause calcium phosphate deposits in the kidneys. Chronic ingestion or inhalation may induce systemic phosphorous poisoning. Liver damage, kidney damage, jaw/tooth abnormalities, blood disorders and cardiovascular effects can result.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS 3

Ingredient Name	CAS Number	EINECS/ELINCS	%wt or % vol
Sodium Hexametaphosphate	68915-31-1	272-808-3	99

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Sodium Hexametaphosphate	15 mg/m ³	None Estab.	10 mg/g ³	None Estab.	None Estab.	None Estab.	None Estab.

SECTION 4 FIRST AID MEASURES 4

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

Ingestion:

After first aid, get appropriate in plant, paramedic or community medical support.

Notes to Physician:

SECTION 5 FIRE FIGHTING MEASURES 5

Flash Point: N/A

Flash Point Method:

Burning Rate:

Autoignition Temperature: N/A

LEL: N/A

UEL: N/A

Flammability Classification: Not flammable

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Unusual Fire or Explosion Hazards: N/A

Hazardous Combustion Products:

Fire Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand mode.

SECTION 6 ACCIDENTAL RELEASE MEASURES 6

Spill / Leak Procedures: Sweep, scoop or vacuum and remove.

Large Spills

Containment: For large spills, dike far ahead of spill for later disposal. Do not release into sewers or waterways.

Cleanup: Vacuuming or wet sweeping may be used to avoid dust. Flush residual spill area with water.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

SECTION 7 HANDLING AND STORAGE

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Handling Precautions: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Store in a tightly closed container. Store in cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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Engineering Controls

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Section 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling its source.

Administrative Controls

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contaminant, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. Warning! Air purifying respirators do not protect workers in oxygen deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing / Equipment: Wear chemically protective gloves, boots, aprons and gauntlets to prevent prolonged or repeated skin contact. Wear protective glasses or chemical safety goggles, per OSHA eye and face protection regulations (29 CFR 1910-133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety / quick drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean PPE.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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9.1 Information on basic physical and chemical properties

Appearance Form:	solid
Odor	odorless
Odor Threshold	no data available
pH	6.0 – 7.7
Melting point/freezing point	628 °C (1,162 °F)
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available

Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Vapor density	no data available
Relative density	no data available
Water solubility	soluble
Partition coefficient: noctanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Density	2.181
Formula Weight	611.77

9.2 Other safety information

Bulk density	780 - 840 kg/m3
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SECTION 10 STABILITY AND REACTIVITY 10

Stability: Sodium hexametaphosphate is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization will not occur.

Chemical Incompatibilities: None known.

Conditions to Avoid: No information found.

Hazardous Decomposition Products: Sodium and phosphorus oxides may form when heated to decomposition.

SECTION 11 TOXICOLOGICAL INFORMATION 11

Toxicity Data:*

Dermal – rabbit LD50:	>7,940 mg/kg; practically non toxic
Eye Irritation – rabbit:	1.3/110.0; slightly irritating
Skin Irritation – rabbit (24hr exp)	0.0/8.0; non irritating

Acute Oral Effects:

Rate, oral, LD ₅₀ :	6600 mg/kg practically nontoxic
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* See NIOSH, RTECS (OY3675000), for additional toxicity data

SECTION 12 ECOLOGICAL INFORMATION 12

Ecotoxicity: Not known

Environmental Fate:

Environmental Degradation:

Soil Absorption/Mobility:

SECTION 13 DISPOSAL CONSIDERATIONS 13

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations/ This material when discarded is not a hazardous waste

as that term is defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261. Dry material may be land-filled or recycled in accordance with local, state and federal regulations. Consult your attorney or appropriate regulatory officials for information on such disposal.

SECTION 14 TRANSPORT INFORMATION 15

US DOT:

Not regulated

IATA:

Not regulated

IMDG/IMO

Not regulated

SECTION 15 REGULATORY INFORMATION 15

US Federal

TSCA: CAS # 68915-31-1 is listed on the TSCA inventory.

Health & Safety Reporting List: None of the chemicals are on the health and safety reporting list.

Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.

Section 12b: None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQ's: CAS# 68915-31-1: 5000 lb final RQ (listed under Sodium phosphate, tribasic); 2270 kg final R

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Clean Air Act: This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act: CAS# 68915-31-1 is listed as a hazardous substance under CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Polyphosphoric acid sodium salt CAS-No. 68915-31-1

New Jersey Right To Know Components

Polyphosphoric acid sodium salt CAS-No. 68915-31-1

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 OTHER INFORMATION 16

Revision Date: 02/15/2016

Reason for Revision: Updates to all sections to bring into GHS compliance.

The information provided in this safety data sheet is correct to the best of our knowledge, information and

belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. This information should be available to all who will use, handles, store, transport, or otherwise be exposed to this product. This Information has been prepared for the guidance of plant engineering, operations and management and for persons working with or handling this product. Baleco believes this information to be reliable and up to date as of the date of publication, but makes no warranty that it is. Additionally, if this safety data sheet is more than three years old, you should contact Baleco at The phone number listed in section 1 to verify the safety data sheet is current.

This SDS is prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Baleco Int'l Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Baleco Int'l Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information.

Prepared By: MSDS/SDS Department with information from the supplier.
Baleco Int'l Inc.
Cinti, OH 45211
(513)353-3000

End of Safety Data Sheet