

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard

SDS Number: 5179-18



SECTION I IDENTIFICATION

Product Identifier

Product Name	SCALE ELIMINATOR
Product Code	5179/51795
Recommended Use	Evaporative Cooler Scale Elimination
Distributor Name	Dial Manufacturing Inc.
Distributor Address	25 South 51 st Avenue, Phoenix, AZ 85403
Distributor Phone Number	(602) 278-1100

SECTION II HAZARD IDENTIFICATION

Classification of Substance or Mixture

Classification according to Regulation (EC) No 1272/2008	Not classified
Classification according to Directive 67/548/EEC or Directive 1999/45/EC	Not Applicable
Information concerning particular hazards for human and environment	Not Applicable
Classification system	Not Applicable

Label elements - Labeling according to Regulation (EC) No 1272/2008

Hazard Pictogram	None
Single Word	None
Hazard statements	The substance does not meet the criteria for classification.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash hands thoroughly after handling.
P403	Store in a well ventilated place.
P404	Store in a closed container
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal

WHMIS-symbols

None

NFPA Rating
(Scale 0 - 4)



HMIS Rating
(Scale 0 - 4)

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

Other Hazards

Results of PBT and vPvB assessment

PBT: Not applicable
vPvB: Not applicable

SECTION III COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number	Dangerous Components	%
10124-56-8	SODIUM HEXAMETAPHOSPHATE	100%

SECTION IV FIRST-AID MEASURES

Description of First Aid Measure

After inhalation	<ul style="list-style-type: none"> a) If dust from the material is inhaled, remove the affected person immediately to fresh air. b) Call physician if symptoms develop or persist.
After skin contact	<ul style="list-style-type: none"> a) Remove and isolate contaminated clothing and shoes. Rinse skin with water/shower. b) Get medical attention if irritation develops and persists. c) For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.
After eye contact	<ul style="list-style-type: none"> a) Immediately flush eyes with plenty of water for at least 15 minutes. b) Remove contact lenses, if present and easy to do. Continue rinsing. c) Get medical attention if irritation develops and persists.
After swallowing	<ul style="list-style-type: none"> a) IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. b) Rinse mouth. Do not induce vomiting without advice from poison control center. c) If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. d) Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Most important symptoms and effects, both acute and delayed

Symptoms	<ul style="list-style-type: none"> Irritation of eyes. Upper respiratory tract irritation
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Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION V FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing agents	Do not use water jet as an extinguisher, as this will spread the fire.

Advice for firefighters

Protective equipment	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Additional information	<ul style="list-style-type: none"> a) Use water spray to cool unopened containers. Use water spray to cool unopened containers. b) Use standard firefighting procedures and consider the hazards of other involved materials.

- c) No unusual fire or explosion hazards noted.
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SECTION VI ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust from the spilled material. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

This product is miscible in water. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product.

Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation.

Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

For waste disposal, see section 13 of the SDS.

Small Dry Spills: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

SECTION VII HANDLING AND STORAGE

Precautions for safe handling

- a) Provide appropriate exhaust ventilation at places where dust is formed.
- b) Minimize dust generation and accumulation.
- c) Avoid breathing dust.
- d) Avoid contact with eyes.
- e) Practice good housekeeping.
- f) Avoid breathing vapor or mist.

Conditions for safe storage, including any incompatibilities

- a) Store in original tightly closed container.
 - b) Store in a well-ventilated place.
 - c) Store away from incompatible materials (see Section 10 of the SDS).
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Specific end use(s)

None

SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

Occupational Exposure Limits

OSHA (PEL): Not Established

AGCIH (TWA): Not established

Control Parameters

Good general ventilation should be sufficient to control worker exposure to airborne contaminants & fumes.

Exposure Control

General protective and hygienic measures	<ul style="list-style-type: none"> • Always observe good personal hygiene measures • Keep away from food, beverages and feed. • Immediately remove all soiled and contaminated clothing. • Wash hands before breaks and at the end of work. • Avoid contact with the eyes and skin.
Respiratory protection	<ul style="list-style-type: none"> • Suitable respiratory protective device recommended. • For spills, respiratory protection may be advisable
Hand Protection	<ul style="list-style-type: none"> • Neoprene, butyl or nitrile rubber glove with cuffs
Eye Protection	<ul style="list-style-type: none"> • Chemical splash goggles
Body Protection	<ul style="list-style-type: none"> • Coverall and apron

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

Appearance

Form
Color

Solid, round shape
White

Odor	Odorless
Odor Threshold	Not Determined
pH	6 – 8 (5% aqueous solution)
Change in condition	
Melting point/Melting range	1022 °F (550 °C)
Boiling point/Boiling range	Undetermined
Flash point	Not available
Flammability (solid, gaseous)	Not available
Ignition temperature	Not available
Decomposition temperature	Not available
Auto igniting	Not available
Danger of explosion	Not available
Explosion limits	
Lower	Not available
Upper	Not available
Vapor pressure	Not available
Density	1.25 g/cm ³
Molecular Formula	(NaPO ₃) ₆
Molecular Weight	611.78 g/mol
Specific Gravity	1.25
Solubility in/Miscibility with Water	Soluble
Partition coefficient (n-octanol/water)	Not available
Viscosity	
Dynamic	Not determined
Kinematic	Not determined
Other information	No further relevant information

SECTION X**STABILITY AND REACTIVITY****Reactivity**

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability

Material is stable under normal conditions.

Conditions to avoid No specific data

Possibility of hazardous reaction No dangerous reactions known

Incompatible materials None Known

SECTION XI TOXICOLOGICAL INFORMATION

Acute Toxicity

Hazardous Ingredient	CAS #	LD 50 of Ingredient
Sodium Hexametaphosphate	10124-56-8	6200 mg/kg - Oral rat 4320 mg/kg - Oral mouse

Primary irritant effects

Skin Prolonged skin contact may cause temporary irritation
Eye Dust in the eyes will cause irritation.

Carcinogenic categories

IARC None listed
(International Agency for Research on Cancer)

NTP None listed
(National Toxicology Program)

OSHA None listed
(Occupational Safety & Health Administration)

SECTION XII ECOLOGICAL INFORMATION

Toxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Aquatic toxicity No further relevant information available

Persistence and degradability No further relevant information available

Behavior on the environmental system

Bioaccumulative potential No further relevant information available

Mobility in soil No further relevant information available

Additional Ecological information

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION XIII DISPOSAL CONSIDERATIONS

Disposal instructions (Recommendation)

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Dispose in accordance with all applicable regulations

Uncleaned packaging (Recommendations)

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Waste from residues /unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

SECTION XIV TRANSPORT INFORMATION

UN-Number

DOT, ADR, IMDG, IATA Not regulated as dangerous goods

UN proper shipping name

DOT, IMDG, IATA, ADR Not regulated as dangerous goods

Transport hazard class(es) & Label

DOT	Not applicable
ADR	Not applicable
IMDG, IATA	Not applicable

Packing group

DOT, ADR, MGD, IATA Not applicable

Environmental hazards

Marine pollutant No

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

SECTION XV**REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture
United States (USA)

SARA

Section 355 (extremely hazardous substances)	None of the ingredients is listed.
Section 311/312 (Hazardous chemical listings)	Listed
Section 313 (Specific toxic chemical listings)	None of the ingredients is listed.
TSCA (Toxic Substances Control Act)	None of the ingredients is listed.

Other federal regulations

CERCLA Hazardous Substance List (40 CFR 302.4)	Listed - Sodium Hexametaphosphate (CAS 10124-56-8)
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not regulated
Clean Water Act (CWA) Section 112(r) (40 CFR 68.130)	Hazardous substance
Safe Drinking Water Act (SDWA)	Not regulated

Proposition 65 (California)

Chemicals known to cause cancer	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for females:	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males	None of the ingredients is listed.
Chemicals known to cause developmental toxicity	None of the ingredients is listed.

US. Massachusetts RTK - Substance List

Sodium Hexametaphosphate
(CAS 10124-56-8)

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Sodium Hexametaphosphate
(CAS 10124-56-8)

US. Rhode Island RTK

Sodium Hexametaphosphate
(CAS 10124-56-8)

Carcinogenic Categories

EPA (Environmental Protection Agency)	None of the ingredients is listed.
IARC (International Agency for Research on Cancer)	None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH)	None of the ingredients is listed.
NIOSH (National Institute for Occupational Safety and Health)	None of the ingredients is listed.
OSHA (Occupational Safety & Health Administration)	None of the ingredients is listed.

Canada

Canadian Domestic Substances List (DSL)	None of the ingredients is listed.
Canadian Ingredient Disclosure list (limit 0.1%)	None of the ingredients is listed.
Canadian Ingredient Disclosure list (limit 1%)	None of the ingredients is listed.

SECTION XVI**OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information and recommendations contained herein are based upon information believed to be reliable. However, manufacturer, supplier(s) and preparer does not guarantee their accuracy or completeness nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for a particular purpose. Adjustment to conform to actual conditions of usage maybe required. Manufacturer, supplier(s) and preparer assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

END OF SDS