


HPA-017

Sodium Chlorite (Phoenix Sanitization Kit)

Effective date 1 January 2021

SECTION 1: Identification	
1A: Product Names	HPA-017
1B: Common Name	Sodium Chlorite (Phoenix Sanitization Kit)
1C: Intended use	Sanitization for Phoenix systems.
1D: Manufacturer Address	ResinTech, Inc. 1801 Federal Street, Camden, NJ 08105 USA
Contact Information:	856-626-1550 info@resintech.com
1D: Supplier Address	Selective Micro Technologies, LLC. 6200 Avery Rd, Suite A Dublin, OH 43016 USA
Contact Information:	1-855-256-8299

SECTION 2: Hazard Identification	
Dry Product:	Sodium Chlorite
Signal Word:	DANGER
Category:	Oxidizing solids (category 2)
	May Intensify Fire: Oxidizer Causes burns to skin, serious eye damage Respiratory tract irritant

SECTION 3: Composition/ Information on Ingredients

CHEMICAL NAME	CAS#	% Range
Activator*	N/A	<1
SODIUM CHLORITE	77758-19-2	15 –40%
Inert*		
* Proprietary Ingredients		

SECTION 4: First Aid Measures

Inhalation:	Remove individual from exposure to chemical. Seek fresh air. If individual is not breathing, administer CPR. If breathing is labored, seek medical attention.
Skin Contact:	Remove individual from exposure to chemical. Seek fresh air. If individual is not breathing, administer CPR. If breathing is labored, seek medical attention.
Eye Contact:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Seek medical attention immediately.
Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have person drink large quantities of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

SECTION 5: Fire Fighting Measures

FIRE AND EXPLOSION HAZARD:	Sodium chlorite in the inactivated product is a strong oxidizer, and can support combustion in the absence of air.
EXTINGUISHING MEDIA:	Fire-exposed containers should be watered and cooled with water fog. Decomposition can release oxygen that supports combustion and reduces effectiveness of suffocation-type extinguishing agents.
FIREFIGHTING:	Wear full protective clothing and self-contained breathing apparatus with full face piece (pressure-demand, NIOSH-approved). Approach fire from upwind to avoid hazardous vapors and toxic decomposition products.

SECTION 5: Fire Fighting Measures

HAZARDOUS COMBUSTION PRODUCTS:

Decomposition can release oxygen that supports combustion and reduces effectiveness of suffocation-type extinguishing agents. Thermal decomposition products from incomplete combustion (pyrolysis) include carbon monoxide, carbon dioxide, and inorganic chlorine compounds.

SECTION 6: Accidental Release Measures

DRY PRODUCT: If contents of pouch are exposed, spilled, or otherwise introduced into the environment:

- Wear protective rubber gloves (see manufacturer details for tolerances)
- Wear protective goggles or other eye protection
- Wear an approved NIOSH mask to prevent inhaling fumes/dust
- Place contents on pouch in a plastic container
- Fill container with water to allow degradation/neutralization equipment.

SECTION 7: Handling and Storage

Handling:

Use product as directed by label. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Thoroughly rinse any protective gear and handling equipment used prior to storage and reuse.

Storage:

Observe all applicable regulations when storing this substance. Keep inactivated product in a cool, dry, ventilated area away from direct sunlight. Do not store with acids, chlorine and chlorine compounds, hypochlorites (bleach), organic solvents, sulfur and sulfite compounds, phosphorus, and combustible/flammable materials. Do not store in areas where sparking may occur.

SECTION 8: Exposure Controls/Personal Protection

VENTILATION:	General exhaust ventilation is sufficient for safe use of this product. Avoid breathing any vapors, mists or fumes generated by inactivated chemicals. Local exhaust ventilation or NIOSH approved mask may be appropriate in applications, in confined spaces or where large quantities are used.
EYE PROTECTION:	When handling dry ingredients approved safety goggles or face shield should be worn.
EMERGENCY WASH FACILITIES:	None normally required when handling intact product. Safety shower and chemical eyewash facilities may be necessary if handling large quantities of dry ingredients.
GLOVES:	None normally required when handling intact product. If handling exposed dry ingredients in product, use appropriate hand protection. Gloves made of rubber, neoprene or other chemically impervious gloves may be suitable. Consult glove manufacturer.
RESPIRATOR:	None normally required when handling intact product. If dry chemicals are exposed, A NIOSH-approved air-purifying respirator or a NIOSH approved canister/cartridge respirator rated for chlorine/acid gas or specified for chlorine dioxide may be appropriate.
FOR FIREFIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS:	For firefighting, see section 5

Exposure Limits:

Component	CAS #	OSHA	ACGIH	NIOSH
Activator	N/A	None Listed	None Listed	None Listed
Sodium Chlorite	7758-19-2	None Listed	None Listed	None Listed
Inert	N/A	15 mg/m ³ [^] *	10 mg/m ³ [^] *	None Listed

[^] Time weighted average

* Particulates not otherwise regulated.

SECTION 9: Physical and Chemical Properties	
Appearance	Dry Product-white powdery substance
Upper/Lower Flammability Limits:	N/A
Odor	Dry Product – Not Applicable
Vapor pressure	N/A
Odor threshold	0.1 ppm
Vapor density	N/A
pH	10.5 – 11.5 (1% solution in neutral, distilled water, (@ 25° C)
Relative density	N/A
Melting point/freezing point	N/A
Solubility	Complete
Boiling point	N/A
Flash point	185°C
Evaporation rate	N/A
Partition Coefficient (n-octanol/water)	N/A
Auto-ignition temperature	N/A
Decomposition temperature	160°C
Viscosity	N/A

SECTION 10: Stability and Reactivity	
STABILITY:	Product is stable under normal storage conditions. Ingredients are oxidizers and may decompose if heated above 160 °C, opened, or wetted.
CONDITIONS TO AVOID:	Avoid storing product where it might become wet, or where the spilled contents of a damaged, inactivated pouch could dry to a crystalline salt or produce chlorine dioxide gas. Do not store where dry material may come into contact with sparking.
INCOMPATIBILITIES:	Avoid accidental contact of dry ingredients or activated product with acids, chlorine compounds, hypochlorites (bleach), sulfur and sulfite compounds, phosphorus, organic solvents, and combustible/flammable materials.
HAZARDOUS DECOMPOSITION:	Exposure of dry ingredients or activated product to acids or chlorine compounds can produce uncontrolled release of chlorine dioxide gas.

SECTION 11: Toxicological Information	
CARCINOGEN STATUS:	Not Listed.
TARGET ORGANS:	Skin, eyes.
ADDITIONAL DATA:	None.
HEALTH EFFECTS OF INACTIVATED PRODUCT:	None anticipated under normal conditions of use. Contact with dry ingredients may cause burns.
INHALATION:	None anticipated under normal conditions of use.
SKIN CONTACT:	None anticipated under normal conditions of use.
EYE CONTACT:	None anticipated under normal conditions of use; however, eye contact with dry ingredients may cause irreversible eye damage.
INGESTION:	None anticipated under normal conditions of use.
DERMAL SENSITIZATION:	Repeated exposure unlikely due to acute effects.
ACUTE INHALATION:	N/A
CARCINOGEN STATUS:	
OSHA:	Not Listed.
NTP:	Not Listed.
IARC:	Not Listed.
TARGET ORGANS:	Skin, eyes, respiratory tract, mucous membranes.

SECTION 12: Ecological information	
ACUTE AQUATIC TOXICITY:	N/A
DEGRADABILITY:	Decomposes in water.
BIOCONCENTRATION FACTOR (BCF):	N/A
OCTANOL/WATER PARTITION COEFFICIENT:	N/A

SECTION 13: Disposal Considerations

Inactivated product should be disposed in accordance with all federal, state and local regulations.

SECTION 14: Transportation Information

D.O.T. Classification:	5.1, Oxidizer
D.O.T. Identification number:	UN Number: 1496
Placard Required:	Oxidizer, 1496, Class 5.1
IMO Requirements:	EmS No. 5.1-06, MFAG table No. 7841, IMDG code page NO. 5180

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Section 15: Regulatory Information

US FEDERAL REGULATIONS:	
Clean Air Act:	N/A
Reportable Quantity:	none established
Toxic Substances Control Act:	Sodium chlorite listed on TSCA inventory
SARA Title III:	Sodium chlorite is subject to reporting requirements of Section 313 of Title III of the 1986 Superfund Amendments and Reauthorization Act (SARA) and 40 CFR Part 372
ACUTE HAZARD:	Irritant.
CHRONIC HAZARD:	None known
FIRE HAZARD:	Oxidizer.
REACTIVITY HAZARD:	Oxidizer.
SUDDEN RELEASE HAZARD:	Not applicable.
STATE REPORTING REQUIREMENTS:	
California Proposition 65:	Not regulated.
New Jersey:	See Section II.

SECTION 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that their activities comply with federal, state, and local laws.

16A: Date of Revision	1 January 2021
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