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Version 2

## 1. IDENTIFICATION

<b>Product Name</b> SmartWash® Formula 111	<b>Supplier Name and Address</b> Whiting Systems, Inc. 9000 Highway 5 North Alexander, AR 72002 800-542-9031	<b>Emergency Telephone</b> INFOTRAC 352-323-3500 (International) 800-535-5053 (North America)
<b>Recommended Use</b> Cleaning agent.		

## 2. HAZARDS IDENTIFICATION

**Signal word**

Danger

**Hazard statements**

Causes severe skin burns and eye damage

**Skin corrosion/irritation**

Category 1

**Serious eye damage/eye irritation**

Category 1

**Appearance** Brilliant blue liquid**Physical state** Liquid**Odor** None**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Do not breathe dust/fume/gas/mist/vapors/spray

Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)** Not Applicable**Other Information**-Not Applicable**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician

IF ON SKIN: (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Rinse mouth Do NOT induce vomiting

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Sodium Tripolyphosphate	7758-29-4	3 - 7	*
Trisodium Phosphate	7601-54-9	1 - 5	*
Sodium metasilicate pentahydrate	10213-79-3	1 - 5	*

## 4. FIRST AID MEASURES

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Wash mouth and nasal passages with water repeatedly. Call a physician immediately.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Drink plenty of water or milk immediately. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.
<b>Skin Contact</b>	Wash with soap and water. DO NOT attempt to neutralize with chemical agents. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

**Most important symptoms and effects, both acute and delayed****Symptoms:** May cause irritation to the mucous membranes and upper respiratory tract. Contact will cause irritation and redness to exposed areas. Exposed individuals may experience eye tearing, redness and discomfort. Will cause gastrointestinal tract irritation.**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Carbon dioxide (CO2). Water spray (fog). Dry chemical. Chemical foam.**Unsuitable Extinguishing Media** Not determined**Specific hazards arising from the chemical** Keep containers cool with water spray to prevent container rupture due to steam buildup. Floor will become slippery if material is released. Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes.**Protective equipment and precautions for firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment as required.**Environmental precautions:** See section 12 for additional ecological information.**Methods for containment:** Prevent further leakage or spillage if safe to do so.**Methods for cleaning up:** Wash small spills to sanitary sewer. Large spills-confine spill, soak up with approved absorbent, and shovel product into approved container for disposal. For spills in excess of allowable limits (RQ) notify the National Response Center (800) 424-8802; refer to 40 CFR 302 for detailed instructions concerning reporting requirements.

## 7. HANDLING AND STORAGE

**Advice on safe handling:** Handle in accordance with good industrial hygiene and safety practice. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use personal protection recommended in Section 8. Protect container from physical damage.**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Protect from extreme temperatures.**Incompatible materials:** Strong oxidizing agents. strong acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Tripolyphosphate 7758-29-4	15 mg/m3	15 mg/m3	-

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Provide sufficient mechanical ventilation to maintain exposure below TLV(s). Eyewash stations. Showers.

**Individual protection measures, such as personal protective equipment**

- Eye/face protection** Wear approved safety goggles.
- Skin and body protection** Neoprene, butyl or nitrile rubber gloves with cuffs.
- Respiratory protection** Under normal conditions, respirator is not normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Property	Values	Remarks • Method	Property	Values
pH	13.0—13.2		Specific Gravity	1.062
Melting point/freezing point	Not determined	<b>Boiling point</b> 100 °C / 212 °F	<b>Flash point</b> Non-flammable	
Evaporation rate	<1	(water = 1)	<b>Kinematic viscosity</b>	Not Determined
Flammability (solid, gas)	n/a-liquid	Completely soluble in water	<b>Dynamic viscosity</b>	Not Determined
Flammability Limits in Air			<b>Explosive properties</b>	Not Determined
Upper flammability limits	Not applicable		<b>Oxidizing properties</b>	Not Determined
Lower flammability limit	Not applicable		<b>Autoignition temperature</b>	Not Determined
Vapor pressure	17 mm Hg	@ 20 °C	<b>Solubility in other solvents</b>	Not Determined

**10. STABILITY AND REACTIVITY**

Reactivity	Chemical stability	Possibility of Hazardous Reactions
Not reactive under normal conditions	Stable under recommended storage conditions.	None under normal processing.
<b>Hazardous polymerization</b> Hazardous polymerization does not occur.		<b>Conditions to avoid</b> Extreme temperatures.
<b>Incompatible materials</b> Strong oxidizing agents. Strong acids.	<b>Hazardous Decomposition Products</b> Decomposition will not occur if handled and stored properly.	

**11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure		Component Information			
<b>Inhalation</b>	Avoid breathing vapors	<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
<b>Eye contact</b>	Causes severe eye damage.	Trisodium Phosphate 7758-29-4	3100 mg/kg (Rat)	7940 mg/kg (Rabbit)	-
<b>Skin Contact</b>	Causes severe skin burns.				
<b>Ingestion</b>	Do not taste or swallow.				

**Other adverse effects** Not determined

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**12. ECOLOGICAL INFORMATION**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal **Other adverse effects** Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes/Contaminated packaging:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**DOT** Not Regulated **IATA** Not Regulated **IMGD** Not Regulated

**15. REGULATORY INFORMATION**

US Federal Regulations		SARA 311/312 Hazard Categories			
<b>Chemical Name</b>	<b>CWA - Reportable Quantities</b>	<b>CWA - Toxic Pollutants</b>	<b>CWA - Priority Pollutants</b>	<b>CWA - Hazardous Substances</b>	
Trisodium Phosphate 7601-54-9	5000 lbs			X	
<b>Chemical Name</b>	<b>Hazardous Substances RQs</b>	<b>Cercla/Sara RQ</b>	<b>Reportable Quantity (RQ)</b>		
Trisodium Phosphate 7601-54-9	5000 lbs		RQ5000 lbs final RQ RQ 2270 kg final RQ		
<b>U.S. State Right-to-Know Regulations</b>	<b>Chemical Name</b>	<b>New Jersey</b>	<b>Massachusetts</b>	<b>Pennsylvania</b>	
	Sodium Tripolyphosphate 7758-29-4		X	X	
	Trisodium Phosphate 7601-54-9	X	X	X	

**16. OTHER INFORMATION**

NFPA	Health hazards	Flammability	Instability	Special Hazards	HMIS	Health hazards	Flammability	Physical hazards	Personal protection
	Not determined	Not determined	Not determined	Not determined		3	0	0	Not Determined

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. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.