


Poly stat<sup>®</sup> Strep A Flip Test

Section 1 Identification	
Product name	Poly stat <sup>®</sup> Strep A Flip Test
Catalog number	STF25
Recommended use	<i>In vitro</i> diagnostic test for the detection of Group A Streptococcus antigen directly from throat swab specimens.
Manufactured for	Polymedco, Inc. 510 Furnace Dock Road Cortlandt Manor, NY 10567 <a href="http://www.polymedco.com">www.polymedco.com</a>
Emergency number	(800) 431-2123 or (914) 739-5400

Section 2 Hazards Identification	
<b>Extraction Reagent A:</b>	
Hazard classification	Oxidizing liquids – Category 3 Acute toxicity, oral – Category 3 Hazardous to the aquatic environment, acute hazard – Category 1
Signal word	Danger
Pictogram	
Hazard statements	H272 May intensify fire; oxidizer H301 Toxic if swallowed H400 Very toxic to aquatic life
Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220 Keep away from clothing and other combustible materials. P264 Wash hands thoroughly after handling P270 Do not eat, drink, or smoke when using this product P273 Avoid release into the environment P280 Wear protective gloves/protective clothing/eye protection/face protection P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician. P330 Rinse mouth P391 Collect spillage. P405 Store locked up. P501 Dispose of container in accordance with local, regional, and national regulations

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<b>Section 2 Hazards Identification (cont.)</b>	
<b>Extraction Reagent B:</b>	
Hazard classification	Acute toxicity, oral – Category 5 Acute toxicity, dermal – Category 5 Acute toxicity, inhalation – Category 5 Serious eye damage/eye irritation – Category 2B
Signal word	Warning
Pictogram	None
Hazard statements	H303 + H313 + H333 May be harmful if swallowed, in contact with skin or if inhaled H320 Causes eye irritation
Precautionary statements	P264 Wash hands thoroughly after handling P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. P304 + P312 Call a POISON CENTER or doctor if you feel unwell after exposure or inhalation.
Any hazards not otherwise classified	Not applicable

<b>Section 3 Composition and Information on Ingredients</b>		
Chemical characterization	Extraction Reagent A contains sodium nitrite Extraction Reagent B contains phosphoric acid	
Chemical name	Sodium Nitrite	Phosphoric Acid
Synonyms	Nitrous acid, sodium salt	Orthophosphoric acid
CAS number	7632-00-0	7664-38-2
Concentration	2 M (13.8%) in Extraction Reagent A	0.2 M (1.96%) in Extraction Reagent B

<b>Section 4 First Aid Measures</b>	
IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice / attention.
IF ON SKIN:	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice / attention.
IF SWALLOWED:	Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor / physician if you feel unwell.
IF INHALED:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.

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<b>Section 5 Fire-Fighting Measures</b>	
Flash point	Not applicable
Flammable limits	Not applicable
Auto-ignition temperature	Not applicable
Extinguishing media	Use extinguishing media suitable for surrounding fire
Special fire and explosion hazards	Fire may cause material to produce noxious fumes or gases.
Hazardous combustion products	Potential decomposition products: nitrogen oxides, sodium oxides, phosphorous oxides.
Protective equipment for firefighters	Self-contained breathing apparatus is recommended for firefighters

<b>Section 6 Accident Release Measures</b>	
Personal precautions	Wear protective clothing, gloves, and eye protection. Take off contaminated clothing and wash before reuse.
Emergency procedures	No special emergency procedures necessary.
Containment procedures	Contain spill to prevent migration. Keep away from drains, surface and ground water, and soil. Prevent further leakage if possible, avoid release to the environment.
Cleanup procedures	Use suitable absorbent material to soak up spill.

<b>Section 7 Handling and Storage</b>	
Handling and storage	Avoid inhaling, swallowing, and contact with eyes and skin.
Recommended storage conditions	Room temperature
Incompatibilities	Keep away from combustible materials and ignition sources.

<b>Section 8 Exposure Controls and Personal Protection</b>	
Exposure limits:	
OSHA	Phosphoric acid: 1 mg/m <sup>3</sup>
ACGIH	Phosphoric acid: 1 mg/m <sup>3</sup>
Engineering controls	Normal room ventilation
Respiratory protection	Normal room ventilation
Eye protection	Safety glasses should be worn to prevent eye contact.
Skin protection	Appropriate gloves and clothing should be worn to prevent skin contact.

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<b>Section 9 Physical and Chemical Properties</b>					
	<b>Device</b>	<b>Extraction Reagent A</b>	<b>Extraction Reagent B</b>	<b>Positive Control</b>	<b>Negative Control</b>
Appearance	White strip in plastic housing	Clear yellow liquid	Clear colorless liquid	Clear colorless liquid	Clear colorless liquid
Odor	Odorless	Odorless	Odorless	Odorless	Odorless
Odor threshold	Not determined	Not determined	Not determined	Not determined	Not determined
pH	Not applicable	8.8	Not applicable	Not applicable	Not applicable
Melting point / Freezing point	Not applicable	Not determined	Not determined	Not determined	Not determined
Initial boiling point and boiling range	Not applicable	Not determined	Not determined	Not determined	Not determined
Flash point	Not determined	Not applicable	Not applicable	Not applicable	Not applicable
Evaporation rate	Not applicable	Not determined	Not determined	Not determined	Not determined
Flammability (solid, gas)	Not determined	Not applicable	Not applicable	Not applicable	Not applicable
Upper/lower flammability or explosive limits	Not determined	Not applicable	Not applicable	Not applicable	Not applicable
Vapor pressure	Not applicable	Not determined	Not determined	Not determined	Not determined
Vapor density	Not applicable	Not determined	Not determined	Not determined	Not determined
Relative density	Not applicable	Not determined	Not determined	Not determined	Not determined
Solubility	Not applicable	Soluble in water	Soluble in water	Soluble in water	Soluble in water
Partition coefficient	Not determined	Not determined	Not determined	Not determined	Not determined
Auto-ignition temperature	Not applicable	Not determined	Not determined	Not determined	Not determined
Decomposition temperature	Not determined	Not determined	Not determined	Not determined	Not determined
Viscosity	Not applicable	Not determined	Not determined	Not determined	Not determined

<b>Section 10 Stability and Reactivity</b>	
Stability	Stable under normal ambient temperature and pressure.
Stabilizers needed	Not applicable
Safety issues with change in physical appearance	None identified
Hazardous reactions	Not expected to occur
Hazardous polymerization	Will not polymerize
Incompatibilities	None identified
Hazard decomposition products	Decomposition as a result of high heat/fire may result in noxious fumes, CO, CO <sub>2</sub> nitrogen oxides, sodium oxides, phosphorous oxides.
Conditions to avoid	None identified

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<b>Section 11 Toxicological Information</b>	
Information on likely routes and effects of exposure (short term / long term effects):	
Inhalation	May cause irritation of the respiratory tract.
Ingestion	May cause irritation of the mouth, throat, and gastrointestinal system.
Skin contact	May cause irritation of the skin.
Eye contact	May cause irritation of the eyes.
Toxicity (LD50/LC50)	Oral LD50: Sodium nitrite: Rat: 85 mg/kg Phosphoric acid: Rat: 1350 mg/kg Dermal LD50: Phosphoric acid: Rabbit: 2730 mg/kg Inhalation LC50: Sodium nitrite: Rat: 5.5 mg/L 4 hr Phosphoric acid: Rat: 850 mg/m <sup>3</sup> 1 hr
Sensitization	Not available
Carcinogenicity	Not available
Reproductive Toxicity	Not available
Teratogenicity	Not available
Mutagenicity	Not available

<b>Section 12 Ecological Information</b>	
Ecotoxicity	Sodium nitrite: Toxicity to fish: LC50 - <i>Oncorhynchus mykiss</i> 0.94 – 1.92 mg/L 96 h Toxicity to aquatic invertebrates: EC50 - <i>Daphnia</i> 12 mg/L 48 hr Toxicity to algae: NOEC – <i>Desmodesmus subspicatus</i> 100 mg/L 72 h Phosphoric acid: Toxicity to fish: LC50 - <i>Gambusia affinis</i> 3 – 3.5 mg/L 96 h Toxicity to aquatic invertebrates: EC50 - <i>Daphnia</i> 4.6 mg/L 12 hr
Persistence / degradability	Not determined
Bioaccumulation potential	Not determined
Mobility in soil (Adsorption / leaching)	Not determined
Environmental fate	Not determined
Ozone layer depletion potential	Not determined
Photochemical ozone creation potential	Not determined
Endocrine disrupting potential	Not determined
Global warming potential	Not determined

<b>Section 13 Disposal Considerations</b>	
Disposal containers	Leak-proof container
Disposal methods	Dispose in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.
Properties that may affect disposal	Not determined
Sewage disposal	Do not dispose of product into drains or sewers
Precautions for landfills or incineration	Not determined

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Section 14 Transport Information	
UN Number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class	Not regulated
Packing group	Not regulated
Environmental hazards	None identified
Guidance on transport in bulk	No special requirements
Special precautions on transport	None identified

Section 15 Regulatory Information	
OSHA	This product does not meet the definition of a hazardous material under 29 CFR 1910.2000
TSCA	Listed
SARA	
302	Not applicable
311/312	Sodium Nitrite: Acute health hazard, Reactive hazard Phosphoric Acid: Acute health hazard
313	Sodium Nitrite: Subject to reporting
CA Prop 65	Not listed
Canada DSL/NDSL	Listed on DSL
WHMIS Class	Not classified
The above information is not intended to be a comprehensive listing of regulations pertinent to the product, and the regulations listed are subject to change. The user is responsible for observing all applicable local, state, and national/federal regulations in handling of the product.	

Section 16 Other Information			
NFPA Ratings:		HMIS Ratings:	
Health	3	Health	3
Flammability	0	Flammability	0
Reactivity	1	Reactivity	0
Physical Hazards	OX	Protective Equipment	C
Date of preparation	15 September 2014		
Last revision date	25 February 2015		
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