


Section 1 – Product Information

Product Name: Surgistain		Supplier	The Ruhof Corporation
Product Code: 34572	Information Phone: 1-800-537-8463		Address 393 Sagamore Avenue Mineola NY 11501
Product Use: Medical Instrument Cleaning	Emergency Contact: 1-800-424-9300 (Chemtrec)		

Section 2 – Hazards Identification

GHS Classification Skin Corrosion Cat 1, Eye Damage Cat 1

Section 2.1 Label Elements

Hazard Pictograms 	Precautionary Statements P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray P285 - In case of inadequate ventilation wear respiratory protection P304 + P341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician P501 - Dispose of contents/ container to an approved waste disposal plant
Signal Word: Danger	
Hazard Statements: H290 - May be corrosive to metals. H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage.	

Section 3 – Composition/Information on Ingredients

Chemical Name	CAS-No	Weight %	Classification
Phosphoric Acid	7664-38-2	<20	C; R35

4. FIRST AID MEASURES

General Advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Immediate medical attention is required.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific Hazards Arising from the Chemical
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases None in particular.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

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, protective equipment and emergency procedures
Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental precautions
Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up
Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Reference to other sections: See Section 12 for additional

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Wear personal protective equipment. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation. **Hygiene Measures** When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. **Conditions for safe storage, including any incompatibilities** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers. **Specific end use(s) Exposure Scenario** No information available. **Other Guidelines** No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Chemical Name	EU	The United Kingdom
Phosphoric acid 7664-38-2	TWA 1 mg/m ³ STEL 2 mg/m ³	STEL: 2 mg/m ³ TWA: 1 mg/m ³

Appropriate engineering controls
Exposure controls
These measures are suggested based on typical use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work. **Eye protection:** Wear eye protection appropriate to the process according to BS EN 166. **Hand protection:** Wear pvc or latex gloves. Exact choice of glove depends on specific risk assessments. **Environmental protection:** Prevent mixture from entering water courses. **Body protection:** No necessary to prevent contact. **Respiratory protection:** Use in a well-ventilated area, avoid breathing spray mist, wear a protective mask according to EN149, if necessary. **Other protection: Personal protective equipment:** Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Odor	Appearance	pH	Melting Point/Range	Boiling Point
Liquid	Mild	Clear	>1.5	No data available	>100C
Flash Point	Flammability Limits	Vapor Pressure	Specific Gravity	Water Solubility	Flammable Properties
No data available	No data available	No data available	1.2	Soluble	Not Flammable

10. STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical stability	Stable under recommended storage conditions.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None known based on information supplied.
Incompatible materials	Alkalis
Hazardous decomposition products	Hydrogen, Phosphorous oxides.

11. TOXICOLOGICAL INFORMATION

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Corrosive to eyes. Causes serious eye damage.
Skin Contact	May cause irritation and/or may cause burns.
Ingestion	Ingestion of corrosive substances can cause burns of the upper digestive and respiratory tract.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric Acid	1530 mg/kg (Rat)	2730 mg/kg (Rabbit)	850 mg/m3 (Exposure time: 1h)

Delayed and immediate effects and also chronic effects from short and long-term exposure

Carcinogenicity	Contains no ingredients above reportable quantities listed as a carcinogen.
Chronic Toxicity	Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons.
Target Organ Effects	Respiratory system. Eyes. Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Phosphoric acid (7664-38-2) LC50 fishes 1 3-3.5 mg/l (Exposure time: 96h - Species: Gambusia affinis) EC50 Daphnia 1 4.6 mg/l (Exposure time: 12h - Species: Daphnia magna)
Persistence and Degradability	No information available.
Bioaccumulation	Not established.
Other Adverse Effects	No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	Dispose of in accordance with federal, state, and local regulations
Contaminated Packaging	Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	
EU Legislation	The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006
National Regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

16. OTHER INFORMATION

Full text of H-phrase, Sections 2 H-290 May be corrosive to metals; H302 Harmful if swallowed; H-314 Causes severe skin burns and eye damage. Section 3 R35 Causes severe burns



Prepared By
The Ruhof Corporation
393 Sagamore Avenue
Mineola, NY 11501

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General Disclaimer

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End of Safety Data Sheet