



## MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	Ag-Tek Surgical Suture/Catgut Chromic		
Manufacturer's Name:	Neogen Corporation	Emergency Phone No.	800 424 9300
	944 Nandino Blvd	Int'l Emergency Phone No.	703 527 3887
	Lexington, KY 40511	<i>Collect Calls Accepted</i>	
	Phone No: 859 254 1221	Fax No.:	859 255 5532
		e-mail:	inform@neogen.com
Date Prepared or Revised: 01/08/2010			

Section II – Hazardous Ingredients / Identity Information			
Hazardous Components (Specific Chemical Identity: Common Names)	OSHA PEL (Permissible Exposure Limits)	ACGIH TLV (Threshold Limit Value)	Toxicity Data LD <sub>50</sub> (Lethal Dose)
Isopropyl Alcohol      CAS # 67-63-0	NA	EH40/95	Acute oral: > 2000 mg/kg Acute dermal: > 2000 mg/kg Acute inhalation: > 5 mg/L
Highly flammable. In use, may form flammable/explosive vapor-air mixture.			

Section III – Physical Characteristics	
Boiling Point: 82-83°C (ASTM D-1078)	Specific Gravity (water = 1): 1.015
Flash Point: 12°C (Abel)	Auto-Ignition Temperature: 425°C (ASTM D-2155)
Vapor Pressure: 4100 Pa at 20°C	N-Octanal/Water Partition: 0.05
Vapor Density: Typical 785 kg/m <sup>3</sup> at 20°C	Dynamic Viscosity: 2.43 mPa*s (ASTM D-445)
Surface Tension: 22.7 mN/m at 20°C	Electrical Conductivity: 6 mcS/m at 20°C (ASTM D-4308)
Physical State: Liquid	Molecular Mass: 60.1
Solubility in Water: Completely capable of being mixed	
Appearance and Odor: Characteristic	

Section IV – Fire and Explosion Hazard Data	
Flash Point ( <i>Method</i> ): 12°C ( <i>Abel</i> )	Estimated Flammable Limits: LEL (Lower Explosive Limit) – 2% (v/v) UEL (Upper Explosive Limit) – 12% (v/v)
Specific Hazards: Hazardous combustion products may include carbon monoxide. The vapor is heavier than air, spreads along the ground and distant ignition is possible.	
Extinguishing Media: Alcohol resistant foam; Water spray or fog; Dry chemical powder; Carbon dioxide; Sand or earth may be used on small fires only.	
Unsuitable Extinguishing Media for Safety Reasons: Full water jet.	
Special Fire Fighting Procedures: Use self-contained breathing apparatus. Wear full protective suit.	
Other Important Information: Keep the adjacent containers cooled by spraying with water.	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid: Heat, flames, and sparks.
	Stable	X	
Incompatibility (Material to Avoid): Strong oxidizing agents and acids.			
Hazardous Decomposition or Byproducts: None known.			
Hazardous Polymerization: Will not occur.			

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation: Irritation of the respiratory tract.	Skin, eyes: Irritation of the skin and eyes.	Ingestion: May cause inebriation, coma.
Health Hazards (Acute and Chronic): Irritating to eyes. Narcotic at high vapor concentrations. Repeated exposure affects the nervous system. Effects were seen at high doses only. Prolonged/repeated contact may cause defatting of the skin, which can lead to dermatitis.			
Carcinogenicity: Not mutagenic.	NTP: Not Listed	I.A.R.C. monographs: Not Listed	OSHA Regulated: Not Listed
Signs and Symptoms of Exposure: Headache, dizziness, nausea, narcosis, dryness of the skin.			
Medical Conditions Generally Aggravated by Exposure: NA			
Emergency / First Aid Procedures	Ingestion: Do not induce vomiting. This material is an aspiration hazard. If individual is drowsy or unconscious, place on left side with head down. Seek medical attention. If possible, do not leave individual unattended.		
	Inhalation: If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen.		
	Eye Contact: Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.		
	Skin Contact: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.		

Section VII – Precautions for Safe Handling and Use
Accidental Release Measures: For small spills, absorb or contain liquid with sand, earth, or spill control material. Shovel up and place in labeled, sealed container for subsequent safe disposal. Put leaking containers in a labeled drum or over-drum. Flush contaminated area with plenty of water. Retain washings as contaminated waste. For large spills, transfer to a labeled, sealable container for product recovery or safe recovery. Treat residue as for small spillage.
Waste Disposal Method: Recover or recycle if possible. Incineration. Comply with local regulations.
Handling and Storing: Avoid contact with eyes and prolonged or repeated exposure with skin. Extinguish any naked flames, remove from any ignition sources, avoid all sparks, do not smoke, and do not empty into drains. Handle at ambient temperatures. Keep away from direct sunlight and other sources of heat or ignition. Keep the container tightly closed and in a well ventilated place.
Other Precautions: There is a risk of explosion. Please inform emergency services if the liquid enters a surface drain. The vapors may form an explosive mixture with air.

Section VIII – Control Measures	
Respiratory Protection (Specify Type): Normally not required	
Ventilation	Local exhaust
	Special: None
	Other: NA
Protective Gloves: Rubber	Eye Protection: Safety glasses, chemical goggles
Other Protective Equipment: None	
Work/Hygienic Practices: Use good work practices	

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.