

SERMATECH INTERNATIONAL INC SUB OF TELEFEX INC -- SERMETEL GES 69AR --  
8010-01-357-4155

===== Product Identification =====

Product ID:SERMETEL GES 69AR  
MSDS Date:11/25/1996  
FSC:8010  
NIIN:01-357-4155  
Status Code:A  
MSDS Number: CLLPP  
=== Responsible Party ===  
Company Name:SERMATECH INTERNATIONAL INC SUB OF TELEFEX INC  
Address:155 S LIMERICK RD  
City:LIMERICK  
State:PA  
ZIP:19468-1603  
Country:US  
Info Ph  
one Num:610-948-5100  
Emergency Phone Num:800-424-9300  
Preparer's Name:ERNEST CARTER  
Chemtrec Ind/Phone:(800)424-9300  
CAGE:58913  
=== Contractor Identification ===  
Company Name:SERMATECH INTERNATIONAL INC SUB OF TELEFEX INC  
Address:155 S LIMERICK RD  
Box:City:LIMERICK  
State:PA  
ZIP:19468-1603  
Country:US  
Phone:610-948-5100  
CAGE:58913

===== Composition/Information on Ingredients =====

Ingred Name:WATER SOLUBLE CHROMIUM VI COMPOUNDS  
CAS:1333-82-0  
Code:F  
RTECS #:GB6650000  
Minumum % W

t:2.  
Maxumum % Wt:10.  
OSHA PEL:SEE TABLE Z-2  
ACGIH TLV:0.05 MG/M3

Ingred Name:CHROMIUM(III) COMPOUNDS  
CAS:1308-14-1  
Code:F  
RTECS #:GB2670000  
&lt; Wt:1.

Ingred Name:ACIDIC PHOSPHATES  
CAS:7664-38-2  
Code:F  
RTECS #:TB6300000  
Minumum % Wt:5.  
Maxumum % Wt:15.  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3  
ACGIH STEL:3 MG/M3

===== Hazards Identification =====

Health Hazards Acute and Chronic:TLV/PEL: UNKNOWN. COATING CONTAINS  
HEXAVALENT CHROMIUM AND COBALT COMPOUNDS WHICH  
ARE CONSIDERED TO BE  
A CARCINOGEN.

Effects of Overexposure:PROLONGED CONTACT WITH COATING LIQUID MAY  
PRODUCE SKIN DISCOLORATION AND BURNS OF THE SKIN AND EYES.  
INHALATION OF THE ATOMIZED COATING MAY PRODUCE IRRITATION TO MUCOUS  
MEMBRANES AND LUNGS.

===== First Aid Measures =====

First Aid:CONTACT: DRENCH SKIN WITH WATER, REMOVE CONTAMINATED CLOTHING  
AND WASH BEFORE REUSE. SEVERE SKIN CONTACT MAY REQUIRE MEDICAL  
ATTENTION. INGESTION  
: IF VICTIM IS CONSCIOUS GIVE LARGE AMOUNTS OF  
WATER F OLLOWED BY MILK OF MAGNESIA. OBTAIN MEDICAL ATTENTION.  
INHALATION: REMOVE VICTIM TO FRESH AIR. OBTAIN MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES. OBTAIN MEDICAL  
ATTENTION.

===== Fire Fighting Measures =====

Extinguishing Media:CARBON DIOXIDE, SAND, DRY CHEMICAL.  
Fire Fighting Procedures:PART 2 AND MIXED COATING CONTAINS ALUMINUM  
METAL POWDER. DO NOT USE WATER BASED

EXTINGUISHING AGENT.

Unusual Fire/Explosion Hazard:DIRECT CONTACT WITH ALKALIS MAY PRODUCE  
NYDROGEN GAS.

===== Accidental Release Measures =====

Spill Release Procedures:ABSORB ONTO SAND OR VERMICULITE. RINSE SPILL  
AREA WITH WATER.

===== Handling and Storage =====

Handling and Storage Precautions:SHELF LIFE: 12 MONTHS UNMIXED (24  
HOURS MIXED) STORAGE TEMP.: 40-90 F (4-32 C). STORAGE EQUIPMENT:  
STORE INSIDE IN ORIG  
INAL CONTAINERS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE A SUPPLIED AIR RESPIRATOR FOR SPRAY  
APPLICATION.

Ventilation:VENTILATION: SPRAY BOOTH SHOULD HAVE MINIMUM AIR FLOW OF  
150 FT /MIN.

Protective Gloves:USE ACID RESISTANT RUBBER OR PLASTIC GLOVES.

Eye Protection:WEAR APPROPRIATE GOGGLES.

Other Protective Equipment:APPLY IN A CLEAN WELL VENTILATED AREA.

Work Hygienic Practices:AVOID ALL SKIN CONTACT, USE GOOD INDUSTRIAL  
HYGIE  
NE PRACTICES.

Supplemental Safety and Health

HMIS RATINGS: PART 1 HEALTH 3 FLAMMABILITY 0 REACTIVITY1 0=MINIMAL  
1=SLIGHT 2=MODERATE 3=SERIOUS 4=SEVERE.

===== Physical/Chemical Properties =====

Boiling Pt:=104.4C, 220.F

Vapor Pres:23.7

Vapor Density:0.7

Spec Gravity:1.7

pH:1-3

Evaporation Rate & Reference:1

Solubility in Water:BINDER MISCIBLE, PIGMENT

Appearance and Odor:PART 1-RED LIQUID

Percent Volatiles by Volume:65%

===== Stability and

Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

ALKALIS AND STRONG OXIDIZING OR REDUCING AGENTS.

Hazardous Decomposition Products: DIRECT CONTACT WITH ALKALIS MAY  
PRODUCE H<sub>2</sub> GAS

Conditions to Avoid Polymerization: WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information: CHROMIC ACID IS LISTED ON THE FOLLOWING:

IARC: HUMAN CARCINOGEN, GROUP 1: NTP: "KNOWN HUMAN CARCINOGEN" THIS  
PRODUCT CONTAINS WATER SOLUBLE CHROMIUM VI COMPOUNDS.

===== Disposal Considerations =====

Waste Disposal Methods: DISPOSE OF AS HAZARDOUS WASTE ACCORDING TO ALL  
LOCAL STATE, AND FEDERAL REGULATIONS.

===== Regulatory Information =====

SARA Title III Information: SECTION 313 SUPPLIER NOTIFICATION: HAZARDOUS  
INGREDIENTS IDENTIFIED IN THE SEC 313 COLUMN OF SECTION 1 ARE TOXIC  
CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF

THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND  
OF 40 CFR 372. THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT  
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State Regulatory Information:

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