

SERMATECH INTERNATIONAL INC SUB OF TELEFEX INC -- SERMETEL GES 69AR PART 2-DARK GRAY POWDER -- 8010-01-357-4155

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

Product ID:SERMETEL GES 69AR PART 2-DARK GRAY POWDER

MSDS Date:11/25/1996

FSC:8010

NIIN:01-357-4155

Status Code:A

MSDS Number: CLLPQ

=== Responsible Party ===

Company Name:SERMATECH INTERNATIONAL INC SUB OF TELEFEX INC

Address:155 S LIMERICK RD

City:LI

MERICK

State:PA

ZIP:19468-1603

Country:US

Info Phone Num:610-948-5100

Emergency Phone Num:800-424-9300

Preparer's Name:ERNEST CARTER

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

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

Ingred Name:COBALT OXIDE (CO3O4)

CAS:1308-06-1

RTECS #:GG2500000

Minumum % Wt:30.

Maxumum % Wt:50.

Ingred Name:ALUMINUM METAL POWDER

CAS:7429-90-5

Code:F

RTECS #:BD0330000

Minumum % Wt:20.

Maxumum % Wt:35.

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:BORON CARBIDE

CAS:12069-32-8

Minumum % Wt:30.

Maxumum % Wt:50.

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

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

Explanation of Carcinogenicity:CO

ATING CONTAINS HEXAVALENT CHROMIUM AND

COBALT COMPOUNDS WHICH ARE CONSIDERED CARCINOGENIC.

Effects of Overexposure:PROLONGED CONTACT WITH COATING LIQUID MAY PRODUCE SKIN DISCOLORATION AND BURNS OF THE SKIN AND EYES.

INHALATION OF THE ATOMIZED OATING MAY PRODUCE IRRITATION TO MUCOUS MEMBRANES AND LUNGS.

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

First Aid:CONTACT: DRENCH SKIN WITH WATER, REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. SEVERE SK

IN 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.

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

Extinguishing Media:CARBON DIOXIDE, SAND, DRY CHEMICAL.

Fire Fighting Procedures:PART 2 AND MIXED COATING CONT

AINS ALUMINUM

METAL POWDER. DO NOT USE WATER BASED EXTINGUISHING AGENT.

Unusual Fire/Explosion Hazard:DIRECT CONTACT WITH ALKALIS MAY PRODUCE HYDROGEN 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: 12MONTHS UNMIXED (24 HOURS MIXED) STORAGE TEMP: 40-90 F (4-32 C). STORAGE EQUIPMENT: STORE INSIDE IN ORIGINAL CONTAINERS.

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

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

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 CO

NTACT, USE GOOD INDUSTIAL

HYGIENE PRACTICES.

Supplemental Safety and Health

HMIS RATINGS: PART 2 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 2-DARK GRAY POWDER

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 H₂ 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 ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

State Regulatory Information:

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