

# Material Safety Data Sheet

## Fisher-Free Fetal Pigs and Cat Specimens

ACC# 45342

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Fisher-Free Fetal Pigs and Cat Specimens

**Catalog Numbers:** S0920S, S0922S, S0924S, S0926S, S1177S, S1183S, S1231S, S1232S, S1233S, S1234S, S1235S, S1236S, S1237S, S1238S

**Synonyms:** 100% Formaldehyde-free specimens

**Company Identification:**

Fisher Scientific  
1 Reagent Lane  
Fair Lawn, NJ 07410

**For information, call:** 201-796-7100

**Emergency Number:** 201-796-7100

**For CHEMTREC assistance, call:** 800-424-9300

**For International CHEMTREC assistance, call:** 703-527-3887

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
57-55-6	1,2-propylene glycol	1.0-2.0	200-338-0
108-95-2	Phenol	0.1-0.3	203-632-7

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Appearance: not available solid.

**Caution!** Causes eye irritation. Causes respiratory tract irritation. Causes skin irritation. May cause central nervous system depression. May cause liver and kidney damage.

**Target Organs:** Kidneys, central nervous system, liver.

#### Potential Health Effects

**Eye:** May cause severe eye irritation.

**Skin:** May cause severe skin irritation.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

**Inhalation:** Causes respiratory tract irritation.

**Chronic:** May cause liver and kidney damage. May cause fetal effects. Repeated skin contact may cause dermatitis with dark pigmentation of the skin.

### Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Discard contaminated clothing in a manner which limits further exposure.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:** Treat symptomatically and supportively.

**Antidote:** None reported.

### Section 5 - Fire Fighting Measures

**General Information:** Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

**Extinguishing Media:** For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

**Flash Point:** Not applicable.

**Autoignition Temperature:** Not applicable.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** 0 - health, 1 - flammability, 0 - instability

### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

## Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash clothing before reuse.

**Storage:** Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
1,2-propylene glycol	none listed	none listed	none listed
Phenol	5 ppm TWA; Skin - potential significant contribution to overall exposure by the cutaneous route	5 ppm TWA; 19 mg/m <sup>3</sup> TWA 250 ppm IDLH	5 ppm TWA; 19 mg/m <sup>3</sup> TWA

**OSHA Vacated PELs:** 1,2-propylene glycol: No OSHA Vacated PELs are listed for this chemical. Phenol: 5 ppm TWA; 19 mg/m<sup>3</sup> TWA

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid

**Appearance:** not available

**Odor:** mild odor

**pH:** Not available.

**Vapor Pressure:** Not available.

**Vapor Density:** >1

**Evaporation Rate:** Not available.

**Viscosity:** Not available.

**Boiling Point:** Not available.

**Freezing/Melting Point:** Not available.

**Decomposition Temperature:** Not available.

**Solubility:** Not available.

**Specific Gravity/Density:** Not available.

**Molecular Formula:** Mixture

**Molecular Weight:** Not available

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** High temperatures.

**Incompatibilities with Other Materials:** None reported.

**Hazardous Decomposition Products:** Irritating and toxic gases.

**Hazardous Polymerization:** Has not been reported.

## Section 11 - Toxicological Information

### RTECS#:

**CAS#** 57-55-6: TY2000000

**CAS#** 108-95-2: SJ3325000

### LD50/LC50:

CAS# 57-55-6:

Draize test, rabbit, eye: 100 mg Mild;

Draize test, rabbit, eye: 500 mg/24H Mild;

Oral, mouse: LD50 = 22 gm/kg;

Oral, mouse: LD50 = 20300 mg/kg;

Oral, rabbit: LD50 = 18500 mg/kg;

Oral, rat: LD50 = 20 gm/kg;

Skin, rabbit: LD50 = 20800 mg/kg;

Skin, rabbit: LD50 = 20800 mg/kg;

CAS# 108-95-2:

Draize test, rabbit, eye: 5 mg Severe;  
Draize test, rabbit, skin: 500 mg/24H Severe;  
Draize test, rabbit, skin: 100 mg Mild;  
Inhalation, mouse: LC50 = 177 mg/m<sup>3</sup>;  
Inhalation, mouse: LC50 = 177 mg/m<sup>3</sup>/4H;  
Inhalation, rat: LC50 = 316 mg/m<sup>3</sup>;  
Inhalation, rat: LC50 = 316 mg/m<sup>3</sup>/4H;  
Oral, mouse: LD50 = 270 mg/kg;  
Oral, rat: LD50 = 317 mg/kg;  
Oral, rat: LD50 = 512 mg/kg;  
Skin, rabbit: LD50 = 630 mg/kg;  
Skin, rat: LD50 = 669 mg/kg;  
Skin, rat: LD50 = 1500 mg/kg;

**Carcinogenicity:**

CAS# 57-55-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 108-95-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:** No data available.

**Teratogenicity:** Propylene glycol can cause teratogenic effects in animal studies.

**Reproductive Effects:** No data available.

**Mutagenicity:** No data available.

**Neurotoxicity:** No data available.

**Other Studies:**

## Section 12 - Ecological Information

**Ecotoxicity:** Daphnia: Fathead Minnow: EC50=4.0 mg/l; 96-hour; cas#108-95-2 Daphnia: Fathead Minnow: EC50=12.0 mg/l; 48-hour; cas#108-95-2 No data available.

**Environmental:** No information available.

**Physical:** No information available.

**Other:** CAS# 108-95-2: NOEC for Lolium perenne and Raphanus sativus was 1 mg/l in a plant germination study. The 96-hour LC50 was 11 mg/l in Gammarus fasciatus and the 48-hour LC50 was 11.2 mg/L in Leuciscus idus.

## Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:**

CAS# 108-95-2: waste number U188.

## Section 14 - Transport Information

	US DOT	Canada TDG
<b>Shipping Name:</b>	Not regulated as a hazardous material	No information available.
<b>Hazard Class:</b>		
<b>UN Number:</b>		
<b>Packing Group:</b>		

## Section 15 - Regulatory Information

### US FEDERAL

#### TSCA

CAS# 57-55-6 is listed on the TSCA inventory.

CAS# 108-95-2 is listed on the TSCA inventory.

#### Health & Safety Reporting List

CAS# 108-95-2: Effective 6/1/87, Sunset 6/1/97

#### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

#### Section 12b

None of the chemicals are listed under TSCA Section 12b.

#### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

#### CERCLA Hazardous Substances and corresponding RQs

CAS# 108-95-2: 1000 lb final RQ; 454 kg final RQ

#### SARA Section 302 Extremely Hazardous Substances

CAS# 108-95-2: 500 lb TPQ (lower threshold); 10000 lb TPQ (upper threshold)

#### SARA Codes

CAS # 108-95-2: immediate, delayed, fire.

**Section 313**

This material contains Phenol (CAS# 108-95-2, 0.1-0.3%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

**Clean Air Act:**

CAS# 108-95-2 is listed as a hazardous air pollutant (HAP).

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

**Clean Water Act:**

CAS# 108-95-2 is listed as a Hazardous Substance under the CWA. CAS# 108-95-2 is listed as a Priority Pollutant under the Clean Water Act. CAS# 108-95-2 is listed as a Toxic Pollutant under the Clean Water Act.

**OSHA:**

None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE**

CAS# 57-55-6 can be found on the following state right to know lists: Pennsylvania, Minnesota.

CAS# 108-95-2 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

**California Prop 65**

California No Significant Risk Level: None of the chemicals in this product are listed.

**European/International Regulations****European Labeling in Accordance with EC Directives****Hazard Symbols:**

Not available.

**Risk Phrases:****Safety Phrases:****WGK (Water Danger/Protection)**

CAS# 57-55-6: 0

CAS# 108-95-2: 2

**Canada - DSL/NDL**

CAS# 57-55-6 is listed on Canada's DSL List.

CAS# 108-95-2 is listed on Canada's DSL List.

**Canada - WHMIS**

This product has a WHMIS classification of D2B.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

**Canadian Ingredient Disclosure List**

CAS# 57-55-6 is listed on the Canadian Ingredient Disclosure List.

CAS# 108-95-2 is listed on the Canadian Ingredient Disclosure List.

**Section 16 - Additional Information**

**MSDS Creation Date:** 7/28/1998

**Revision #4 Date:** 10/03/2005

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