

*Fisher*

DATE: 03/07/05 ACCT: 439643002 PAGE: 1  
 INDEX: 050553367 CAT NO: 511743 PO. NR: K 07930C  
 Formaldehyde-Free Cats, Rats, and Rabbits  
 \*\*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*\*

\*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*\*  
 MSDS Name: Formaldehyde-Free Cats, Rats, and Rabbits  
 Catalog Numbers: 509035, 509055, 509075, 509085, 509105, 509125, 509145, 509165, 510575, 510685, 510705, 510715, 511745, 511755, 511765, 511785, 511795, 511805, 511815, 511835  
 Synonyms: Known  
 Company Identification: Fisher Scientific  
 1 Fairlawn, 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	%	HMCS#
57-55-6	1,2-proprylene glycol	8-11%	200-338-0
67-64-1	Acetone	<1.0	200-662-2
108-95-2	Phenol	<1.0	203-332-7
111-30-8	Glutaraldehyde	<1.0%	203-856-5
7732-18-5	Water	Balance	231-791-2

Hazard Symbols: Xi  
 Risk Phrases: 36/37/38  
 \*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*  
 EMERGENCY OVERVIEW  
 Appearance: Not available.  
 Irritation: Harmful if swallowed. Causes severe respiratory tract irritation. Causes eye and skin irritation. May cause severe digestive tract irritation. May cause sensitization by skin contact.  
 Target Organs: Respiratory system, eyes, skin.  
 Potential Health Effects  
 Eye: Causes severe eye irritation. May cause chemical conjunctivitis.  
 Skin: Causes severe skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.  
 Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.  
 Inhal: Causes severe respiratory tract irritation. Can produce delayed pulmonary edema.  
 Chronic: Repeated exposure may cause sensitization dermatitis. Effects may be delayed.  
 When sufficient amounts are absorbed, the effects can be increased and irregular heart rate, low blood pressure, difficulty breathing, cough and skin discoloration may result. Death can occur in minutes. However, the concentrations in this mixture are not expected to produce these effects.

\*\*\*\* 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.  
 Skin: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.  
 Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.  
 Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult,  
 1,842

DATE: 03/01/05 ACCT: 439643002 PAGE: 2  
 INDEX: 050553367 CAT NO: 511743 PO. NR: K 07930C  
 Give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.  
 Notes: Treat symptomatically and supportively.  
 \*\*\*\* SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\*

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated. Do not breathe fire. Use water spray to knock down containers. Vapors may be heavier than air. Inexplosive spread along the ground and collect in low or confined areas. Runoff from fire control or dilution water may cause pollution.  
 Extinguishing Media: Use carbon dioxide or dry chemical. Treat as a combustible liquid. Avoid foam. Do not use water on a spill.  
 Flash Point: Temperature Not Available.  
 Explosion Limits, upper: Not available.  
 NFPA Rating: (estimated) Health: 2; Flammability: 2; Instability: 0

\*\*\*\* 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. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Provide ventilation.  
 \*\*\*\* SECTION 7 - HANDLING AND STORAGE \*\*\*\*  
 Handling: Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse. Keep away from heat and flame.  
 Storage: Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\*  
 Engineering Controls: If this material should be equipped with fumes, vapors, dusts, and a safety shower. Use adequate ventilation to keep airborne concentrations low.  
 Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
1,2-proprylene glycol	none listed	none listed	none listed
Acetone	500 ppm; 750 ppm STEL	250 ppm TWA; 590 ppm IDLH	1000 ppm TWA; 2400 mg/m <sup>3</sup> TWA
Phenol	5 ppm; skin - potential for cutaneous absorption	5 ppm TWA; 19 mg/m <sup>3</sup> TWA 250 ppm IDLH	5 ppm TWA; 19 mg/m <sup>3</sup> TWA
Glutaraldehyde	0.05 ppm Ceiling (activated and inactivated)	none listed	none listed
Water	none listed	none listed	none listed

OSHA Vacated PELs:  
 1,2-proprylene glycol:  
 No OSHA Vacated PELs are listed for this chemical.  
 Acetone:  
 750 ppm TWA; 1800 mg/m<sup>3</sup> TWA  
 Phenol:  
 5 ppm TWA; 19 mg/m<sup>3</sup> TWA  
 Glutaraldehyde:  
 OSHA Vacated PELs are listed for this chemical.  
 Water:  
 No OSHA Vacated PELs are listed for this chemical.  
 1,843



*Fisher*

DATE: 03/01/05 ACCT# 419643002 PAGE: 1  
 INDEX# G505553677 CATALOG# 511745 PO# NR# K: 079300  
 Formaldehyde-Free Cats, Rats, and Rabbits  
 \*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*\*

MSDS Name: Formaldehyde-Free Cats, Rats, and Rabbits  
 Catalog Numbers: S0903S, S0905S, S0908S, S0910S, S0912S, S0914S, S0916S, S1067S,  
 S1068S, S1070S, S1071S, S1174S, S1174S, S1175S, S1178S, S1179S, S1180S,  
 S1181S, S1182S  
 Synonyms: None known  
 Company Identification: Fisher Scientific  
 1 Reagent Lane 07410  
 Fairlawn, NJ  
 For information, call: 201-796-7100  
 Emergency Number: 201-796-7100  
 For CHEMTRAC assistance call: 800-424-9300  
 For international CHEMTRAC assistance, call: 703-527-3887

\*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\*

CAS#	Chemical Name	%	HSINCS#
57-85-6	1,2-Propylene glycol	8-11%	200-338-0
67-64-1	Acetone	<1.0	200-662-2
108-95-2	Phenol	<1.0	203-632-7
111-30-8	Glutaraldehyde	<1.0%	203-856-5
7732-18-5	Water	Balance	231-791-2

Hazard Symbols: Xi  
 Risk Phrases: 36/37/38  
 \*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*  
 EMERGENCY OVERVIEW  
 Appearance: Not available. If swallowed, causes severe respiratory tract irritation. Causes severe eye and skin irritation. May cause severe digestive tract irritation. May cause sensitization by skin contact.  
 Target Organs: Respiratory system, eyes, skin.  
 Potential Health Effects  
 Eyes: Causes severe eye irritation. May cause chemical conjunctivitis.  
 Skin: Causes severe skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.  
 Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.  
 Inhalation: Causes severe respiratory tract irritation. Can produce delayed pulmonary edema.  
 Chronic: Repeated exposure may cause sensitization dermatitis. Effects may be delayed.  
 When sufficient amounts are absorbed, the effects can be increased and irregular heart rate, low blood pressure, difficulty breathing, cough and skin discoloration may result. Death can occur in minutes. However, the concentrations in this mixture are not expected to produce these effects.

\*\*\*\* 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.  
 Skin: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.  
 Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cups of milk or water.  
 Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult,

1,842

DATE: 03/01/05 ACCT# 419643002 PAGE: 2  
 INDEX# G505553677 CATALOG# 511745 PO# NR# K: 079300  
 Formaldehyde-Free Cats, Rats, and Rabbits  
 \*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\*

General Information: wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Will burn if involved in a fire. Use water spray to keep fire-exposed containers cool. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Runoff from fire can pollute water. Fire may cause pollution.  
 Extinguishing Media: Use carbon dioxide or dry chemical. Treat as a combustible liquid.  
 Autoignition Temperature: Not available.  
 Flash Point: Not available.  
 Explosion Limits: Not available.  
 NFPA Rating: (estimated) Health: 2; Flammability: 2; Instability: 0

\*\*\*\* 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), and place in a container for disposal according to local, state, and federal regulations. Clean up spills immediately. Remove all sources of ignition. Provide ventilation.

\*\*\*\* SECTION 7 - HANDLING AND STORAGE \*\*\*\*  
 Handling: Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ignition and inhalation. Use with adequate ventilation. Wash clothing before reuse. Keep away from heat and flame.  
 Storage: Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.  
 \*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\*  
 Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
1,2-propylene glycol	none listed	none listed	none listed
Acetone	500 ppm; 750 ppm STEL	250 ppm TWA; 500 mg/m <sup>3</sup> TWA; 2500 ppm IDIH	1000 ppm TWA; 2400 mg/m <sup>3</sup> TWA
Phenol	5 ppm; skin - potential for cutaneous absorption	5 ppm TWA; 19 mg/m <sup>3</sup> TWA; 250 ppm IDIH	5 ppm TWA; 19 mg/m <sup>3</sup> TWA
Glutaraldehyde	0.05 ppm Ceiling (inactivated)	none listed	none listed
Water	none listed	none listed	none listed

OSHA Vacated PELs:  
 1,2-propylene glycol:  
 No OSHA Vacated PELs are listed for this chemical.  
 Acetone:  
 750 ppm TWA; 1800 mg/m<sup>3</sup> TWA  
 Phenol:  
 5 ppm TWA; 19 mg/m<sup>3</sup> TWA  
 Glutaraldehyde:  
 No OSHA Vacated PELs are listed for this chemical.  
 Water:  
 No OSHA Vacated PELs are listed for this chemical.



California, New Jersey, Pennsylvania, Minnesota, Massachusetts, Pennsylvania, New Jersey, State Right Massachusetts, California, New Jersey, Pennsylvania, Minnesota, Massachusetts. Lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts. Water is not present on state lists from CA, PA, NJ, or NJ. None of the other Safety Data Sheet Risk Level: are listed. European International Regulations are listed. Hazard Symbols: XI Risk Phrases: R 36/37/38 Irritating to eyes, respiratory system and skin.

WGK (Water Danger/Protection)

- CAS# 57-55-6: 0
  - CAS# 67-64-1: 0
  - CAS# 108-95-2: 2
  - CAS# 111-30-8: 2
  - CAS# 7732-18-5: 2
- United Kingdom Occupational Exposure Limits  
Kingdom Occupational Exposure Limits  
particulates); 4/4 mg/m3 TWA (Vapor and particulates); 10
- United Kingdom Maximum Exposure Limits  
CAS# 108-95-2: MEL-United Kingdom, TWA 2 ppm TWA  
CAS# 111-30-8: MEL-United Kingdom, STEL 0.05 ppm TWA; 0.2 mg/m3 TWA  
CAS# 111-30-8: MEL-United Kingdom, STEL 0.05 ppm STEL; 0.2 mg/m3 STEL

- Canada  
CAS# 57-55-6 is listed on Canada's DSL list.  
CAS# 67-64-1 is listed on Canada's DSL list.  
CAS# 108-95-2 is listed on Canada's DSL list.  
CAS# 111-30-8 is listed on Canada's DSL list.  
CAS# 7732-18-5 is listed on Canada's DSL list.  
WHMS: Not available.  
CAS# 57-55-6 is listed on Canada's Ingredient Disclosure List.  
CAS# 67-64-1 is listed on Canada's Ingredient Disclosure List.  
CAS# 108-95-2 is listed on Canada's Ingredient Disclosure List.  
CAS# 111-30-8 is listed on Canada's Ingredient Disclosure List.  
CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

- Exposure Limits  
CAS# 67-64-1: OEL-Australia: TWA 500 ppm (1185 mg/m3); STEL 1000 ppm  
OEL-Australia: TWA 750 ppm (1780 mg/m3)  
OEL-BELGIUM: TWA 750 ppm (1780 mg/m3); STEL 1000 ppm  
OEL-DENMARK: TWA 250 ppm (595 mg/m3); STEL 400 ppm  
OEL-FINLAND: TWA 500 ppm (1200 mg/m3); STEL 625 ppm (1500 mg/m3)  
OEL-FRANCE: TWA 750 ppm (1800 mg/m3)  
OEL-GERMANY: TWA 1000 ppm (2400 mg/m3)  
OEL-HUNGARY: TWA 600 ppm (1400 mg/m3)  
OEL-INDIA: TWA 750 ppm (1780 mg/m3); STEL 1000 ppm (2375 mg/m3)  
OEL-ITALY: TWA 500 ppm (1200 mg/m3)  
OEL-JAPAN: TWA 1000 ppm (2400 mg/m3)  
OEL-THE PHILIPPINES: TWA 1500 ppm (3600 mg/m3)  
OEL-POLAND: TWA 200 ppm (480 mg/m3)  
OEL-RUSSIA: TWA 200 ppm (480 mg/m3)  
OEL-SWEDEN: TWA 250 ppm (595 mg/m3); STEL 500 ppm (1200 mg/m3)  
OEL-SWITZERLAND: TWA 750 ppm (1780 mg/m3)  
OEL-TURKEY: TWA 1000 ppm (2400 mg/m3)  
OEL-UNITED KINGDOM: TWA 750 ppm (1810 mg/m3); STEL 1250 ppm  
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV  
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV  
CAS# 108-95-2: OEL-Arab Republic of Egypt: TWA 5 ppm (19 mg/m3); Skin  
OEL-Australia: TWA 5 ppm (19 mg/m3); Skin  
OEL-BELGIUM: TWA 5 ppm (19 mg/m3); Skin  
OEL-CZECHOSLOVAKIA: TWA 20 mg/m3; STEL 40 mg/m3  
OEL-DENMARK: TWA 5 ppm (19 mg/m3); Skin  
OEL-FINLAND: TWA 5 ppm (19 mg/m3); STEL 10 ppm (38 mg/m3); Skin  
OEL-FRANCE: TWA 5 ppm (19 mg/m3); Skin  
OEL-GERMANY: TWA 5 ppm (19 mg/m3); Skin  
OEL-HUNGARY: TWA 4 mg/m3; STEL 8 mg/m3; Skin  
OEL-JAPAN: TWA 5 ppm (19 mg/m3); Skin  
OEL-THE NETHERLANDS: TWA 5 ppm (19 mg/m3); Skin  
OEL-THE PHILIPPINES: TWA 5 ppm (19 mg/m3); Skin  
OEL-POLAND: TWA 10 ppm  
OEL-RUSSIA: TWA 5 ppm; STEL 0.3 mg/m3; Skin  
OEL-SWEDEN: TWA 1 ppm (4 mg/m3); STEL 2 ppm (8 mg/m3); Skin  
OEL-SWITZERLAND: TWA 5 ppm (19 mg/m3); STEL 10 ppm (38 mg/m3); Skin  
OEL-TURKEY: TWA 5 ppm (19 mg/m3)  
OEL-UNITED KINGDOM: TWA 5 ppm (19 mg/m3); STEL 10 ppm; Skin  
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGI TLV  
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV  
CAS# 111-30-8: OEL-Australia: TWA 0.2 ppm (0.7 mg/m3)  
OEL-BELGIUM: TWA 0.2 mg/m3; STEL 0.82 mg/m3

- OEL-DENMARK: STEL 0.2 ppm (0.8 mg/m3)
- OEL-FINLAND: STEL 0.2 ppm (0.8 mg/m3)
- OEL-FRANCE: STEL 0.2 ppm (0.8 mg/m3)
- OEL-GERMANY: TWA 0.2 ppm (0.8 mg/m3)
- OEL-HUNGARY: TWA 0.25 mg/m3
- OEL-RUSSIA: STEL 0.2 ppm (0.8 mg/m3)
- OEL-SWITZERLAND: TWA 0.2 ppm (0.8 mg/m3); STEL 0.4 ppm (1.6 mg/m3)
- OEL-UNITED KINGDOM: TWA 0.2 ppm (0.7 mg/m3); STEL 0.2 ppm
- OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV  
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

\*\*\* SECTION 16 - ADDITIONAL INFORMATION \*\*\*

MSDS Creation Date: 6/19/2003 Revision #2 Date: 6/19/2003

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users of this information are advised to investigate the suitability of the information for their own purposes and to consult with their legal counsel for any special, indirect, or incidental consequences or for lost profits, however arising, even if the company has been advised of the possibility of such damages.