



*Not est. = Not established

NO. 162-25, 162-62, 162-00, 258-00

SECTION I. MATERIAL IDENTIFICATION

Reviewed/By: *JH* 2/11/92

Material Name: Saline
 Other Designations: Normal Saline, Sterile Saline, Hyper-7 Saline, Equine HSS, Hyper-7.5 Saline, 7% Hypertonic Saline Solution
 Chemical Family: Inorganic salt solution Trade Name: Normal saline

SECTION II. INGREDIENTS AND HAZARDS

	%	OSHA PEL	HAZARD DATA/TOXICITY
Sodium Chloride	0.8-7.5	Not est.	LD ₅₀ 3.75 g/Kg-rat-oral

SECTION III. PHYSICAL DATA

Boiling Point At 1 atm, °C: Not determined Specific Gravity 20/4 C: 1.006-1.060
 Vapor Pressure At 15°C mm Hg: Not determined Evap. Rate (BuAc=1): No data
 Vapor Density (Air = 1): > 1 Volatiles, %: None
 Water Solubility At 20°C: Complete Molecular Weight: 58.45
 Appearance And Odor: Clear, colorless, non-viscous, odorless liquid.

SECTION IV. FIRE AND EXPLOSION DATA

Flash Point and Method	Auto-Ignition Temperature	Flammability Limits In Air	
		Lower	Upper
N/A	N/A	Not considered a fire hazard	

Extinguishing Media: Use any means suitable to extinguish surrounding fire.
 Special Fire Fighting Procedures: Wear full protective clothing and NIOSH self-contained breathing apparatus operated in positive pressure mode.

SECTION V. REACTIVITY DATA

Stability: Stable	<input checked="" type="checkbox"/>	Conditions To Avoid: None known.
Unstable	<input type="checkbox"/>	

Incompatible With: No known incompatibilities.

Hazardous Decomposition Products: May emit toxic fumes of carbon monoxide/carbon dioxide

Hazardous Polymerization: May Occur	<input type="checkbox"/>	Conditions To Avoid: None known.
Will Not Occur	<input checked="" type="checkbox"/>	

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==== MSDS TRACKING INFORMATION ====
 MID: 1053006 STERILE SALINE VETERINA
 PID: 4673004 CUST: 0172674-008
 IMG: I:53006_1 PAGE: 1 of 2

PACKET: 64185-5033

SECTION VI. HEALTH HAZARD INFORMATION

Effects Of Overexposure: Possible irritation of eye, skin, and/or respiratory tract. Anaphylactic hypersensitivity.

Target Organs: Renal, digestive tract.
Primary Route Of Entry: Ingestion, inhalation.
First Aid: Seek prompt medical attention if irritation develops.
Eye Contact: Flush eyes with copious quantities of water, lifting upper and lower lids
Skin Contact: Wash affected area with copious quantities of water.
Inhalation: Remove to fresh air.
Ingestion: Rinse mouth with water. Induce vomiting **ONLY** on advice of medical personnel.

SECTION VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spills, Leaks: Sweep or mop free material into suitable container for disposal.
Disposal: Ensure compliance with local, state, and federal regulations.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not needed if used in accordance with label directions.

Ventilation: General dilution.

Protective Gloves: Rubber may be worn.

Eye Protection: Safety goggles/glasses.

Other Protective Equipment: Not needed if used in accordance with label directions.

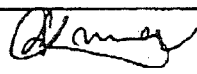
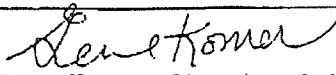
SECTION IX. SPECIAL PRECAUTIONS AND COMMENTS

Storage and Handling Information: READ AND FOLLOW ALL LABEL DIRECTIONS

This product is sold for veterinary use only. Not for human consumption.

DOT CLASS: Not classified.

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APPROVALS	DATE
 Arun Kumar, Director-Q.A.	3/2/92
 Gene Komer, Director-R & D	3/2/92

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