



Material Safety Data Sheet

DOT	HCS Risk Phrases	Protective Clothing
	Not an HCS controlled material in USA.	

Section 1: Product Identification and Uses

Common/Trade name	Enterisol® SC-54®Frozen (19A1.01)	CI#	Not available
Synonyms	Salmonella Choleraesuis Vaccine, Avirulent Live Culture	TSCA	TSCA inventory: No products found.
Chemical name	Not applicable	CAS#	Not applicable
Chemical formula	Not applicable	Code	MSDS ID#: N19A1.01
Chemical family	USDA Veterinary Biologic	Molecular weight	Not applicable
Supplier	Boehringer Ingelheim Vetmedica, Inc. 2621 North Belt Hwy St. Joseph MO 64506-2002	Manufacturer	Boehringer Ingelheim Vetmedica, Inc. 2621 North Belt Hwy St. Joseph MO 64506-2002 816-233-2571
Material uses	Vaccine		

Section 2: Hazardous Ingredients

Name	CAS#	% by Weight	TLV/PEL	LC50 / LD 50
No hazardous ingredient.				

Section 3: First Aid Measures

Eye contact	Flush eyes with copious amounts of water.
Skin contact	Not considered a skin irritant. After contact with skin, wash immediately with plenty of water. If irritation occurs, seek immediate medical attention.
Hazardous skin contact	No additional information.
Slight inhalation	No information available regarding inhalation.
Hazardous inhalation	No additional information.
Slight ingestion	No information available regarding ingestion.
Hazardous ingestion	Not available

Section 4: Physical Data

Physical state and appearance	Solid (frozen)	Odor	Not available
PH (1% soln/water)	Not available	Taste	Not available
Odor threshold	Not available	Color	Brownish red/pink
Volatility	Not available		
Melting/Sublimation point	Not available		

Boiling/Condensation point	Not available
Specific gravity (Water=1)	Not available
Vapor density	Not available
Vapor pressure	Not available
Water/oil dist. Coeff.	Not available
Ionicity (surface active agent)	Not available
Critical temperature	Not available
Instability temperature	Not available
Conditions of instability	Not available
Dispersion properties	Not available
Solubility	Not available

Section 5: Fire and Explosion Data

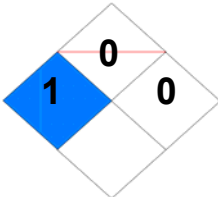
The product is:	Not available
Auto-ignition temperature	Not available
Fire degradation products	Not available
Flash points	Not available
Flammable limits	Not available
Fire extinguishing procedures	Aqueous solutions are non-flammable.
Flammability	Not available
Risks of explosion	Non-explosive

Section 6: Reactivity Data

Stability	The product is stable.
Hazardous decomp. products	Not available
Degradability	Not available
Product of degradation	Possibly hazardous short term degradation products are not likely.
Corrosivity	Not available
Reactivity	No known incompatibilities.

Section 7: Toxicological Properties	
Routes of entry	Oral
TLV	Not available
Toxicity for animals	LD50: Not available LC50: Not available
Environmental hazards	Not available
Chronic effects on humans	There is no known effect from chronic exposure to this product.
Acute effects on humans	Contains attenuated, live <i>Salmonella choleraesuis variety kunzendorf</i> . Data regarding human exposure to this attenuated microorganism are limited. The attenuated microorganism is known to be non-pathogenic for healthy individuals.

Section 8: Preventive Measures	
Waste information	Dispose of in accordance with USDA Veterinary Services Memorandum 800.56
Waste stream	Not available
Storage	Follow label instructions
Precautions	For oral use in swine only. Follow label directions to minimize risk of accidental human exposure.
Small spill and leak	Absorb spill. Clean area.
Large spill and leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Protective Clothing	Gloves are recommended whenever using frozen vaccines. Safety glasses/goggles are also recommended.

Section 9: Classification									
DOT	Not a DOT controlled material (United States).								
Maritime transportation	Not available								
HCS	Not an HCS controlled material in USA.								
Federal and State Regulations	Not applicable								
HMIS (U.S.A.)	<table border="1"> <tr> <td>Health Hazard</td> <td>1</td> </tr> <tr> <td>Fire Hazard</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td>p</td> </tr> </table> <p>National Fire Protection Association (U.S.A.)</p>  <p>Fire Hazard Reactivity Specific hazard</p>	Health Hazard	1	Fire Hazard	0	Reactivity	0	Personal Protection	p
Health Hazard	1								
Fire Hazard	0								
Reactivity	0								
Personal Protection	p								

Section 10: Protective Measures

Protective clothing	Gloves are recommended whenever using frozen vaccines.
Engineering controls	Good general ventilation should be sufficient to control airborne levels.

Section 11: Other Information

References	Enterisol SC 54FF is an avirulent vaccine. In the event of an accidental human exposure, the organism is sensitive to: Amikacin, Ceftiofur, Cephalexin, Florfenicol, Gentamicin, Spectinomycin, Sulfachloropyridazine, Sulfadimethoxine and Sulfamethoxazole/Trimethoprim.
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Validated by Company: 5/08/06

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Emergency Medical: (800)530-5432
Chemtrec: (800)424-9300

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