



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	Bo-Bac-2X™ (3400.00)	Cl#	Not available
Synonyms	Arcanobacterium Pyogenes-Escherichia Coli-Pasteurella Multocida-Salmonella Typhimurium Antibody, Bovine Origin	TSCA	TSCA inventory: No products found.
Chemical name	Not applicable	CAS#	Not applicable
Chemical formula	Not available	Code	MSDS ID#: 3400.00
Chemical family	Not available	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
1) Cresol (Ortho, meta and para isomers)	O=95-48-7 M=108-39-4 P=106-44-5	</=0.3% v/v	TWA: 2.3 ppm NIOSH	LD50, Oral, Mouse 831 mg/Kg LD50, Oral, Rat 1454 mg/Kg

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	In case of inhalation consult a physician
Hazardous inhalation	No additional information.
Slight ingestion	In case of ingestion consult a physician
Hazardous ingestion	Not available

Section 4: Physical Data

Physical state and appearance	Liquid	Odor	Not available
PH (1% soln/water)	Not available	Taste	Not available

Odor threshold	Not available	Color	Brown. Cloudy.
Volatility	Not available		
Melting/Sublimation point	Not applicable		
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	No additional remark		
Dispersion properties	See solubility in water		
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	Not applicable
Flammability	Not available
Risks of explosion	Non-explosive

Section 6: Reactivity Data

Stability	The product is stable.
Hazardous decomp. products	None known
Degradability	Not available
Product of degradation	None known Not available
Corrosivity	No specific information is available in our database regarding the corrosivity of this product in the presence of various materials.
Reactivity	No known incompatibilities


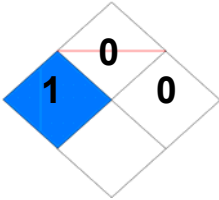
Section 7: Toxicological Properties

Routes of entry	Accidental injection
TLV	Not available
Toxicity for animals	Not available
Environmental hazards	Not available
Chronic effects on humans	Not for human use. In case of accidental injection, wash thoroughly, disinfect and consult your physician. The serum is pasteurized and is packaged as a sterile, nonviable product.
Acute effects on humans	Not for human use. Animal inoculation only, accidental injection to humans can cause serious local reactions. Consult a physician immediately if accidental injection occurs. The vaccine is packaged as a sterile, nonviable product

Section 8: Preventive Measures

Waste information	Dispose of in accordance with all City, State and Federal regulations.
Waste stream	Not available
Storage	Store at a temperature not over 45 degrees F. Do not freeze.
Precautions	No additional information.
Small spill and leak	Absorb with an inert material and place in an appropriate waste disposal container. Follow applicable waste regulations for disposal.
Large spill and leak	No additional information
Protective Clothing	Splash goggles

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" style="display: inline-table;"> <tr> <td>Health Hazard</td> <td style="background-color: #0000FF; color: white;">1</td> </tr> <tr> <td>Fire Hazard</td> <td style="background-color: #FF0000; color: white;">0</td> </tr> <tr> <td>Reactivity</td> <td style="background-color: #FFFF00; color: black;">0</td> </tr> <tr> <td>Personal Protection</td> <td style="background-color: #FFFFFF; color: black;">n</td> </tr> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0	Personal Protection	n	<p>National Fire Protection Association (U.S.A.)</p> <div style="display: flex; align-items: center; justify-content: center;">  <div style="margin-left: 20px;"> <p>Fire Hazard</p> <p>Reactivity</p> <p>Specific hazard</p> </div> </div>
Health Hazard	1									
Fire Hazard	0									
Reactivity	0									
Personal Protection	n									

Section 10: Protective Measures

Protective clothing	Splash goggles
Engineering controls	No special ventilation requirements.

Section 11: Other Information

References	Not available
Validated by Company: 10/27/05	

CALL 1(800) 821-7467

Emergency Medical: (800)530-5432

Chemtrec: (800)424-9300

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