



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 | Ingelvac A.R.4 (7060.00) | Cl# | Not available |
| Synonyms | Bordetella Bronchiseptica-Pasteurella Multocida Bacterin-Toxoid | TSCA | TSCA inventory: No products were found. |
| Chemical name | Not available | CAS# | Not available |
| Chemical formula | Not available | Code | MSDS ID#: B7060.00 |
| Chemical family | Not available. | Molecular weight | Not available |
| 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) Formaldehyde solution 37% | 50-00-0 | $\leq 0.2 \text{ v/v}$ | .75 ppm TWA STEL:2 | ORAL (LD50): Acute: 14200 mg.kg (Rabbit), DERMAL LD50: Acute: 15890 mg.kg (Rabbit), gas LC50: Acute: 64000 ppm 4 hours (rat). LDLo, Oral Women 36 mg.kg, TC Lo Inhalation, Human 17 ppm |
| 2) Gentamicin Sulfate | 1405-41-0 | $\leq 0.003 \text{ w/v}$ | Not available | Oral Rat: LD50:>5000 mg/kg Oral Mouse: LD50: > 11269 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 | No information available regarding inhalation. Seek immediate medical attention. |
| Hazardous inhalation | No additional information. |
| Slight ingestion | No information available regarding ingestion. Notify physician or Poison Control Center immediately. |
| Hazardous ingestion | Not available |

Section 4: Physical Data

Ingelvac A.R.4 (7060.00)

| | | | |
|---------------------------------|---|-------|-----------------------------------|
| Physical state and appearance | suspended particles that settle during storage. | Odor | Not available |
| PH (1% soln/water) | Not available | Taste | Not available |
| Odor threshold | Not available | Color | White, cream, or light tan opaque |
| 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. However, long term degradation products may arise. Not available |
| Corrosivity | Not available |
| Reactivity | No known incompatibilities. |

Section 7: Toxicological Properties

| | |
|---------------------------|---|
| Routes of entry | Not applicable |
| 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. Not for human use. For use in swine only. May be irritating to eyes, mucus membranes, and skin. May be locally irritating upon accidental injection in people. Certain individuals may be hypersensitive to the ingredients. Carcinogenic Effects: Classified A2 (Suspected for humans) by ACGIH (formaldehyde) Mutagenic Effects: Not available. Teratogenic Effects: Not available. Developmental Toxicity: Proven (formaldehyde) |
| Acute effects on humans | Contains formalin inactivated, on-viable bacterial microorganisms which are no longer capable of infecting humans. Contains gentamicin sulfate as antimicrobial preservatives. |

Section 8: Preventive Measures

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|----------------------|--|
| Waste information | Dispose of in accordance with USDA Veterinary Services Memorandum 800.56. |
| Waste stream | Not available |
| Storage | Follow label instructions. |
| Precautions | 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 | Splash goggles. |

Section 11: Other Information

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| References | Not available |
|------------|---------------|

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Validated by Company: 3/22/05

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