1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Material Name: ALBON® (sulfadimethoxine) SUSPENSION 5%

Trade Name: ALBON® SUSPENSION 5%
Synonyms: Sulfadimethoxine Suspension 5%
Chemical Family: Mixture
Intended Use: Veterinary product used as antibiotic agent

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredient</th>
<th>CAS Number</th>
<th>EU EINECS List</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric acid monohydrate</td>
<td>5949-29-1</td>
<td>Not listed</td>
<td>*</td>
</tr>
<tr>
<td>Sucrose</td>
<td>57-50-1</td>
<td>200-334-9</td>
<td>*</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>215-185-5</td>
<td>*</td>
</tr>
<tr>
<td>Sulfadimethoxine</td>
<td>122-11-2</td>
<td>204-523-7</td>
<td>5.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional Hazardous Ingredient</th>
<th>CAS Number</th>
<th>EU EINECS List</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylcellulose</td>
<td>9004-67-5</td>
<td>Not listed</td>
<td>*</td>
</tr>
<tr>
<td>Flavoring</td>
<td>NOT ASSIGNED</td>
<td>Not listed</td>
<td>*</td>
</tr>
<tr>
<td>FD &amp; C Yellow No. 5</td>
<td>1934-21-0</td>
<td>217-699-5</td>
<td>*</td>
</tr>
<tr>
<td>FD&amp;C Yellow No. 6; (Sunset yellow)</td>
<td>2783-94-0</td>
<td>220-491-7</td>
<td>*</td>
</tr>
<tr>
<td>Polyacrylic acid</td>
<td>9003-01-4</td>
<td>Not listed</td>
<td>*</td>
</tr>
<tr>
<td>Sodium citrate, dihydrate</td>
<td>6132-04-3</td>
<td>Not listed</td>
<td>*</td>
</tr>
<tr>
<td>Sodium benzoate</td>
<td>532-32-1</td>
<td>208-534-8</td>
<td>*</td>
</tr>
<tr>
<td>Pluronic F-68</td>
<td>9003-11-6</td>
<td>Not listed</td>
<td>*</td>
</tr>
<tr>
<td>Invert sugar</td>
<td>8013-17-0</td>
<td>232-393-1</td>
<td>*</td>
</tr>
</tbody>
</table>

Additional Information: * Proprietary
Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

3. HAZARDS IDENTIFICATION

Appearance: Smooth, uniform yellow suspension with a sweet odor
Signal Word: WARNING

Statement of Hazard: May cause allergic reaction in individuals sensitive to sulfonamides
MATERIAL SAFETY DATA SHEET

Material Name: ALBON® (sulfadimethoxine) SUSPENSION 5%
Revision date: 05-Dec-2006

Short Term: Contact with sulfonamides may cause dermatitis. Allergic skin reaction may occur based on effects of other sulfonamides. Dust may cause irritation. Individuals sensitive to this chemical or other materials in its chemical class may develop allergic reactions.

Known Clinical Effects: As in all sulfonamide therapy, the following reactions may occur including nausea, vomiting, diarrhea, inflammation of the liver and pancreas, blood disorder, drug fever, skin rash, infection of the conjunctiva and sclera, blood in the urine and crystalluria.

EU Indication of danger: Irritant

EU Hazard Symbols: R43 - May cause sensitization by skin contact.

Note: This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes. If irritation occurs or persists, get medical attention.

Skin Contact: Remove contaminated clothing and shoes. Wash skin with soap and water. This material may not be completely removed by conventional laundering. Consult professional laundry service. Do not home launder. If irritation occurs or persists, get medical attention.

Ingestion: Get medical attention. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water, dry powder or foam extinguishers are recommended.

Hazardous Combustion Products: Not known

Fire Fighting Procedures: Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear. Evacuate area and fight fire from a safe distance.

Fire / Explosion Hazards: Fine particles (such as dust and mists) may fuel fires/explosions.

6. ACCIDENTAL RELEASE MEASURES

Health and Safety Precautions: Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

Measures for Cleaning / Collecting: Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Clean spill area thoroughly.

Measures for Environmental Protections: Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.
Additional Consideration for Large Spills: Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

7. HANDLING AND STORAGE

General Handling: Use only in a well-ventilated area. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing.

Storage Conditions: Store in a cool, dry, well-ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Sucrose
OSHA - Final PELS - TWAs: = 15 mg/m³ TWA total
= 5 mg/m³ TWA
ACGIH Threshold Limit Value (TWA) = 10 mg/m³ TWA
Australia TWA = 10 mg/m³ TWA

Sodium hydroxide
OSHA - Final PELS - TWAs: 2 mg/m³
ACGIH Ceiling Threshold Limit: = 2 mg/m³ Ceiling
Australia PEAK = 2 mg/m³ Peak

The exposure limit(s) listed for solid components are only relevant if dust may be generated.

The purpose of the Occupational Exposure Band (OEB) classification system is to separate substances into different Hazard categories when the available data are sufficient to do so, but inadequate to establish an Occupational Exposure Limit (OEL). The OEB given is based upon an analysis of all currently available data; as such, this value may be subject to revision when new information becomes available.

Sulfadimethoxine
Pfizer Occupational Exposure Band (OEB): OEB2 (control exposure to the range of >100ug/m³ to < 1000ug/m³)

Engineering Controls: Engineering controls should be used as the primary means to control exposures. Use process containment, local exhaust ventilation, or other engineering controls to maintain airborne levels within the OEB range.

Personal Protective Equipment:
- Hands: Chemical protective gloves
- Eyes: Wear safety glasses or goggles if eye contact is possible.
- Skin: Wear protective clothing with long sleeves to avoid skin contact. Wash hands and arms thoroughly after handling this mixture.
- Respiratory protection: If airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a protection factor sufficient to control exposures to the bottom of the OEB range.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Smooth uniform Suspension
Odor: Sweet
Molecular Weight: Mixture
pH: 4.4-4.8

Color: Yellow
Molecular Formula: Mixture
Specific Gravity: 1.26-1.28 (25 °C)

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: Avoid direct sunlight, conditions that might generate heat, and sources of ignition.
Incompatible Materials: Strong oxidizers.
Hazardous Decomposition Products: No data available.
Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

General Information: There are no data for this formulation. The information included in this section describes the potential hazards of the active ingredient, except where noted.

Acute Toxicity: (Species, Route, End Point, Dose)

Sulfadimethoxine
Mouse Oral LD50 > 16 g/kg
Mouse IP LD50 > 2 g/kg
Rat Oral LD50 > 10 g/kg

Sodium benzoate
Rat Oral LD50 4,070 mg/kg
Mouse Oral LD50 1600 mg/kg

Sodium hydroxide
Mouse IP LD50 40 mg/kg

FD&C Yellow No. 6; (Sunset yellow)
Rat Oral LD50 > 10,000 mg/kg
Mouse Oral LD50 > 6,000 mg/kg

Sucrose
Rat Oral LD50 29.7 g/kg

Pluronic F-68
Rabbit Dermal LD50 > 20 g/kg
Rat Oral LD50 9380 mg/kg

Acute Toxicity Comments: A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.
Inhalation Acute Toxicity No data available
Ingestion Acute Toxicity See Acute toxicity table

Irritation / Sensitization: (Study Type, Species, Severity)

Sodium hydroxide
Eye Irritation Rabbit Severe
Skin Irritation Rabbit Severe

Citric acid monohydrate
Eye Irritation Rabbit Mild
Skin Irritation Rabbit Mild
Eye Irritation / Sensitization
No data available

Skin Irritation / Sensitization
Hypersensitivity reactions to sulfonamides have been reported. Dermatitis may occur from contact of sulfonamides with the skin.

Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

Sodium benzoate
10 Day(s)  Rat  Oral  27370 mg/kg  LOAEL  Liver, Blood
10 Day(s)  Mouse  Oral  45 g/kg  LOAEL  Liver, Kidney, Blood, Ureter, Bladder

Subchronic Effects
In rats, oral dosing of 9,100 mg/kg sulfadimethoxine for 13 weeks caused changes in thyroid weight (goitrogenic effect) and decreased weight gain. Sulfonamides are known to be goitrogenic, but not in primates or humans. Dogs given daily oral doses of 160 mg/kg sulfadimethoxine for 13 weeks showed no signs of toxicity.

Chronic Effects/Carcinogenicity
Studies to evaluate the carcinogenic potential of sulfadimethoxine were not available. Other sulfonamide drugs which have been evaluated are not carcinogenic.

Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))

Sodium benzoate
Embryo / Fetal Development  Rat  Oral  44 g/kg  LOEL  Developmental toxicity

Reproductive Effects
Not determined

Teratogenicity
In humans, sulfonamides administered prior to delivery can cause jaundice and hemolytic anemia in the offspring. Studies in pregnant laboratory animals administered sulfadimethoxine have shown developmental effects, but retrospective studies in humans with other sulfonamides have not been conclusive.

Mutagenicity
Other sulfonamide drugs which have been evaluated are not mutagenic.

Carcinogen Status:
None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

FD&C Yellow No. 6; (Sunset yellow)

IARC:  Group 3

Polyacrylic acid

IARC:  Group 3

At increase risk from exposure:
Like other sulfonamides, this material can produce hypersensitivity reactions in some individuals.

12. ECOLOGICAL INFORMATION

Environmental Overview:
The environmental characteristics of this material have not been fully evaluated. Releases to the environment should be avoided.

13. DISPOSAL CONSIDERATIONS

Disposal Procedures:
Dispose of waste in accordance with all applicable laws and regulations.
14. TRANSPORT INFORMATION

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

15. REGULATORY INFORMATION

EU Symbol: Xi
EU Indication of danger: Irritant

EU Risk Phrases: R43 - May cause sensitization by skin contact.

EU Safety Phrases: S24 - Avoid contact with skin.
S36 - Wear suitable protective clothing.
S37 - Wear suitable gloves.

OSHA Label:
WARNING
May cause allergic reaction in individuals sensitive to sulfonamides

Canada - WHMIS: Classifications

WHMIS hazard class:
Class D, Division 2, Subdivision B

Methylcellulose
Inventory - United States TSCA - Sect. 8(b) XU
Australia (AICS): Present

FD & C Yellow No. 5
Inventory - United States TSCA - Sect. 8(b) Present
Australia (AICS): Present
EU EINECS List 217-699-5

FD&C Yellow No. 6; (Sunset yellow)
Inventory - United States TSCA - Sect. 8(b) Present
Australia (AICS): Present
EU EINECS List 220-491-7

Polyacrylic acid
CERCLA/SARA 313 Emission reporting = 1.0 % de minimis concentration does not include copper
phthalocyanine compounds substituted only with hydrogen and/or bromine and/or chlorine, Chemical Category N100
Inventory - United States TSCA - Sect. 8(b) XU
Australia (AICS): Present
MATERIAL SAFETY DATA SHEET

Material Name: ALBON® (sulfadimethoxine) SUSPENSION 5%
Revision date: 05-Dec-2006

16. OTHER INFORMATION

Reasons for Revision:
Updated Section 3 - Hazard Identification. Updated Section 6 - Accidental Release Measures.
Updated Section 8 - Exposure Controls / Personal Protection. Updated Section 10 - Stability and Reactivity. Updated Section 11 - Toxicology Information. Updated Section 13 - Disposal Considerations. Updated Section 15 - Regulatory Information.

Prepared by:
Toxicology and Hazard Communication
Pfizer Global Environment, Health, and Safety

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End of Safety Data Sheet