

# Liquid Aspirin Concentrate with Caffeine

June 10, 2010

## Veterinary Provisions, Inc.

### MATERIAL SAFETY DATA SHEET

#### Section I – Product Identification

Product Name or Identity:	LIQUID ASPIRIN CONCENTRATE with CAFFEINE		
Manufacturer's Name:	Veterinary Provisions	Emergency Phone No.	888-863-9376
	1200 S Hwy 3	Fax No.:	507-650-7250
	Northfield, MN 55057	e-mail:	info@vetprovisions.com
Date Prepared or Revised:	06/10/10		
Chemical Family:	Analgesic/Antipyretic		
Formula:	Mixture		
Hazard Classification:	Hazardous		
HMIS Rating System:	Health-1/Flammability-3/Reactivity-1		

#### Section II – Hazardous Ingredients / Identity Information

Ingredient	CAS#	TLV-TWA	Percent
Aspirin	50-78-2	5 mg/m <sup>3</sup>	12.0 w/w
Caffeine	58-08-2		1.0% w/w
SDA Ethyl Alcohol	64-17-5		72.5% w/w

The hazard communication standard requires that such mixtures be assumed to present the same health hazard as do components that constitute at least 1% of the mixture (0.1% for carcinogens) although OSHA has noted that the hazards of individual components may be altered by including them in a mixture. Some of the ingredients of this mixture are a trade secret. NE=not established.

#### Section III – Physical Characteristics

Boiling Point: NA	Specific Gravity (H <sub>2</sub> O = 1): 0.87
Vapor Pressure (mm Hg.): NE	Physical State: Liquid
Vapor Density (AIR = 1): NE	Evaporation Rate (Butyl Acetate = 1): NE
Solubility in Water: Miscible with water	
Appearance and Odor: Blue color solution	

#### Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used): 59° F (Penske Closed Cap)	Flammable Limits: NA
Extinguishing Media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.	
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.	
usual Fire and Explosion Hazards: NA	

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## Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid: AVOID STRONG OXIDIZING AGENTS (SUCH AS SODIUM HYPOCHLORITE, HYPOCHLORUS ACID)
	Stable	X	

Incompatibility (Materials to Avoid): STRONG OXIDIZING AGENTS, STRONG ACIDS, AND STRONG BASES.

Hazardous Decomposition or Byproducts: TOXIC FUMES OF CARBON MONOXIDE, CARBON DIOXIDE.

Hazardous Polymerization	May Occur		Conditions to Avoid: NA
	Will Not Occur	X	

## Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation: Toxic by inhalation. Irritating to respiratory system.	Skin: Toxic in contact with skin. Irritating to skin.	Ingestion: Toxic if swallowed.
			Eyes: Causes eye irritation
Health Hazards (Acute and Chronic)	THIS PRODUCT DOES NOT CONTAIN ANY INGREDIENT DESIGNATED BY IARC, NTP, ACGIH OR OSHA AS A PROBABLE HUMAN CARCINOGEN. VERY LARGE DOSES OF ASPIRIN HAVE PRODUCED TERATOGENIC EFFECTS IN EXPERIMENTAL ANIMALS		

Carcinogenicity: See above (National Toxicology Program)	IARC Monographs? None (International Agency for Research in Cancer)	OSHA Regulated? Yes-Flammable
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Signs and Symptoms of Exposure: TOXIC BY INGESTION. EYE, SKIN, AND RESPIRATORY TRACT IRRITANT SENSITIZER. **SINGLE OVEREXPOSURE INGESTION:** MAY CAUSE GASTROINTESTINAL DISTURBANCES INCLUDING ACUTE IRRITATION AND BLEEDING. SYSTEMIC EFFECTS MAY INCLUDE CENTRAL NERVOUS SYSTEM STIMULATION AND TERMINAL DEPRESSION LEADING TO RESPIRATORY OR CARDIOVASCULAR COLLAPSE. **SKIN CONTACT:** PERCUTANEOUS ABSORPTION OF SALICYLATES REACHES TOXIC LEVELS ONLY WHEN LARGE AREAS OF THE SKIN ARE COVERED WITH SALICYLATE IN A SUITABLE BASE OR WHEN SKIN HAS BEEN DAMAGED BY PRE-EXISTING DISEASE. SIGNS AND SYMPTOMS ARE THE SAME AS DESCRIBED FOR SWALLOWING. **INHALATION:** DUSTS ARE IRRITATING TO THE RESPIRATORY TRACT. **EYE CONTACT:** CAUSES ACUTE IRRITATION AND MAY CAUSE A CHEMICAL BURN. **OVER-EXPOSURE** ASPIRIN IS A KNOWN RESPIRATORY AND SYSTEMIC ALLERGEN AND CAN PRODUCE ANAPHYLACTIC PHENOMENA EVEN AFTER SMALL DOSES. ASPIRIN DECREASES THE ABILITY OF THE BLOOD TO CLOT.

CAFFEINE- DANGER!! POISON, IRRITANT. WHEN INGESTED, MAY BE TOXIC TO HEART, GI TRACT, CENTRAL NERVOUS SYSTEM. REPEATED OR PROLONGED EXPOSURE TO CAFFEINE CAN PRODUCE TARGET ORGANS DAMAGE. HAZARDOUS IN CASE OF SKIN CONTACT (IRRITANT), OF INGESTION, OF INHALATION. SEVERE OVER-EXPOSURE CAN RESULT IN DEATH. POSSIBLE BIRTH DEFECT HAZARD. MAY CAUSE BIRTH DEFECTS BASED ON ANIMAL DATA. INVESTIGATED AS A TUMORIGEN, MUTAGEN, AND REPRODUCTIVE EFFECTOR. MAY CAUSE TETRATOGENIC EFFECTS.

Medical Conditions Generally Aggravated by Exposure: SKIN IRRITATION CAN BE AGGRAVATED IN PERSONS WITH EXISTING SKIN LESIONS. BREATHING OF DUST MAY AGGRAVATE ACUTE OR CHRONIC ASTHMA AND CHRONIC PULMONARY DISEASE SUCH AS EMPHYSEMA AND BRONCHITIS. **WARNING:** IN PERSONS TAKING ANTICOAGULANTS, ASPIRIN MAY ACCENTUATE ANTICOAGULANT ACTIVITY. PERSONS WITH INFLUENZA AND SOME OTHER VIRAL ILLNESSES MAY BE AT HIGHER RISK OF DEVELOPING REYE'S SYNDROME. PERSONS WITH RHEUMATOID ARTHRITIS OR SYSTEMIC LUPUS ERYTHEMATOSUS SOMETIMES DEVELOP EPATOTOXICITY WHILE TAKING ASPIRIN AS A MEDICATION.

Emergency / First Aid Procedures	Ingestion: WASH OUT MOUTH WITH WATER PROVIDED THE PERSON IS CONSCIOUS. IF CONSCIOUS GIVE LARGE QUANTITIES OF WATER AND INDUCE VOMITING IMMEDIATELY. SEVERAL GLASSES OF MILK MAY BE GIVEN FOR ITS SOOTHING EFFECTS. <b>GET MEDICAL ATTENTION.</b>
	Inhalation: REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, ADMINISTER CARDIOPULMONARY RESUSCITATION OR ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. <b>GET MEDICAL ATTENTION.</b>
	Eye Contact: IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. <b>GET MEDICAL ATTENTION, PREFERABLY AN OPHTHALMOLOGIST.</b>

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Skin Contact: IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.

## Section VII – Precautions for Safe Handling and Use

Accidental Release Measures: WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVE. VENTILATE AREA AND WASH SPILL SITE.

Waste Disposal Method: BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

Handling and Storage: STORE IN A TIGHTLY CLOSED CONTAINER IN A WELL-VENTILATED AREA AWAY FROM ALL SOURCES OF IGNITION. STORE IN A COOL DRY PLACE.

Other Precautions:

## Section VIII – Control Measures

Respiratory Protection (Specify Type): WEAR SELF-CONTAINED BREATHING APPARATUS-PARTICLE MASK.

Ventilation	Local Exhaust: USE ONLY IN WELL VENTILATED AREA.	Special:
	Mechanical (General):	Other:

Protective Gloves: WEAR PROTECTIVE GLOVES

Eye Protection: CHEMICAL WORKERS GOGGLES.

Other Protective Clothing or Equipment: EMERGENCY EYE WASH STATIONS AND SHOWERS SHOULD BE AVAILABLE.

Work / Hygienic Practices:

## Section IX – Transportation Information

Proper Shipping Name: Ethanol solution

Identification Number: UN170

Hazard Class: III

Packing Group: II

U.S. DPT Labeling Requirements: Consumer commodity, ORM-D

IATA Class: III

IATA Packing Group: II

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