

Material Safety Data Sheet

Livestock Survival Drench Vitamin Mineral Supplement for Cattle and Sheep

Section 1: Company Details

Company: Image Holdings Ltd
Address: 753 Te Atatu Road, Te Atatu Peninsula, Auckland.
Telephone Number: 09 834 3783 Fax 09 834 5603
Emergency Telephone Number (24/7): New Zealand National Poisons Centre
0800 POISON (764 766)

Section 2: Product Identification

Product Names: Livestock Survival Drench –Vitamin and Mineral Supplement for Cattle and Sheep
ACVMA Product Lic #: N/A
U.N. Number: N/A
Dangerous Goods Class: N/A
Hazchem Code: N/A
Toxic Substances Schedule: Not scheduled
Uses: Nutritional supplement for livestock

Section 3: Physical Description/Properties

Appearance: Ruby red opalescent liquid
Boiling Point: > 100 0C
Vapor Pressure: Not applicable
Specific Gravity: 1.29
pH: 2.93 - 3.63
Flash Point: >100 0C
Flammability Limits: NA
Solubility in water: Water miscible

Active Ingredients

<u>Chemical Entity</u>	<u>Proportion</u>
Selenium	1 mg/mL (elemental Se)
Chromium	1 mg/mL (elemental Cr)
Iodine	100 mg/mL (elemental iodine)
Vitamin C	30 mg/mL
Vitamin A	10 000 iu/mL
Vitamin D	5 000 iu/mL
Vitamin E	100 iu/mL

Section 4: Regulatory Information

Regulatory status: This product is exempt from registration, being an oral nutritional compound.

Section 5: Health Hazard Information

Acute Effects: Complete Formula

Swallowed: Unknown. Not likely to have an acute effect.

Skin: Is not normally a skin irritant. Some sensitive individuals may have a mild skin reaction after prolonged or repeated exposure.

Eye: May cause minor eye irritation.

Inhaled: Inhalation is not likely to occur.

Long Term Effects: None known.

Acute Effects Individual Ingredients : Sodium selenate

Swallowed: May be harmful if swallowed. The lowest harmful dose by oral administration is 22.5mg/kg.

Sodium selenate is acutely toxic [LD50 (oral) 25mg/kg]. Acute poisoning exhibits as dyspnea, spasms and death from respiratory failure. Selenium poisoning in humans has been described and gastrointestinal and neurological symptoms predominated. Repeated oral dose testing in laboratory species identified a lowest NOAEL of 0.37mg/kg/day (liver toxicity).

Eye: Direct contact may cause irritation.

Skin: Direct contact may cause irritation.

Inhaled: Not regarded as a likely hazard except for prolonged or repeated exposure

First Aid

Swallowed: Rinse mouth with clean water and give milk or water to drink. Seek medical attention.

Eye: Flush eye with water for 15-30 minutes. Seek medical attention.

Skin: Remove contaminated clothing and wash skin with soap and water. If symptoms persist seek medical attention. Wash clothing before re-use.

Inhaled: Remove individual from exposure, allow to rest in fresh air. Seek medical advice.

Advice to Doctor: If medical advice is needed, have product container or label to hand. Recommend treatment based on clinical findings and judgment of clinician. Supportive care.

Section 6: Accidental Release Methods

Slippery when spilled. Sweep or shovel spills. Collect spillage into labeled containers for re-use or disposal. Dispose containers and spills in accordance with local and Government regulations.

Section 7: Stability and Reactivity

Stability of the Substance: Stable under normal conditions of storage.

Conditions to avoid: Avoid extremes of heat.

Material to avoid: No known incompatibilities.

Hazardous decomposition Products: None known.

Hazardous polymerization: Not known to occur.

Section 8: Safe Handling and Storage

Storage: Store upright in original labeled container with lid securely fastened. Store below 30 degrees C in closed original container. Protect from light. Protect containers from physical damage and check for leaks. Store away from foodstuffs.

Handling Practices: Transport upright in original labeled container with lid securely fastened.

Section 9: Exposure Controls / Personal Protection

Workplace Exposure Guidelines: Observe good work place practices and avoid contact with skin and eyes. Do not smoke or eat while using. Wash hands after using.

Exposure Standards: None

Engineering Controls: None

Flammability: Not a flammable substance.

Keep out of reach of children.

Section 10: Disposal

Spills and Disposal: Minimize release of the material to the environment.

May be harmful to aquatic life with long lasting effects.

Fire/Explosion Hazard: For fire fighting wear full protective clothing. Extinguish using water or chemical foam. Will not support combustion. Treat fire as for other materials present. May produce CO when combusting.

Packaging: Packaged in 1 litre HDPE plastic. Recyclable Code 2. Triple or preferably pressure rinse into the medicated drench. Do not dispose of undiluted chemicals in site. Break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burned.

Additional Information: National Poisons Centre, Department of Preventative and Social Medicine, University of Otago, P O Box 913, Dunedin, New Zealand. Phone (0800) 764-766 24 hours or contact your local Poisons Information Office for further information.

1. The above information has been compiled on the basis of good faith, and our experience from the available technical knowledge and data for this product.
2. Where health or safety data given discloses a risk to the user or environment, it is the responsibility of the Purchaser to pass on that information to employees or those who may be using the product, ensuring that adequate safety procedures are used.
3. No responsibility can be accepted for the wrongful or misinterpretation of this data. No warranty, expressed or implied is made.