SAFETY DATA SHEET

Revision date: 28-Jul-2025

Revision Number 1

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product identifier

Product Name CALF BOOST STARTER

Product Code(s) 43752 (20L carton – 4x5L pouches)
43750 (5L drench pack)

Other means of identification

CAS No. Mixture

Recommended use of the chemical and restrictions on use

Recommended use Drench / Animal food additive.

Uses advised against No information available.

Details of the supplier of the safety data sheet

Supplier
Vitapower Limited
NZBN: 9429036796083
Address: 120 Pukiti Drive, PO Box 448, Wanganui, 4540 New Zealand

Telephone Number: +64 6 349 1005

For further information, please contact

Contact Point info@vitapower.co.nz

Emergency telephone number

Emergency Telephone **0800 848 276 (ALL HOURS)**

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

2. HAZARDS IDENTIFICATION

Not classified as a Dangerous Good under NZS 5433 Transport of Dangerous Goods on Land; NON-DANGEROUS GOODS.

Classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.

GHS Classification

SIGNAL WORD
WARNING

Animal Nutritional and Animal Care Products Group Standard 2020
Approval Number: HSR002521

Serious eye damage/eye irritation	Category 2

Label elements

Hazard statements

H319 Causes serious eye irritation

Precautionary Statements - Prevention

P264 Wash eyes thoroughly after handling.
P280 Wear protective gloves / protective clothing / eye protection / face protection

Precautionary Statements - Response

P305 +P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 If eye irritation persists: Get medical advice/attention

Precautionary Statements - Storage

P405 Store locked up

Precautionary Statements - Disposal

P501 Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

Other hazards which do not result in classification

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical name	CAS No.	Weight-%
Calcium Chloride	10043-52-4	<10%
Other ingredients determined not to be hazardous	-	Balance

4. FIRST AID MEASURES

Description of first aid measures

General advice For advice, contact a Poisons Information Centre or a doctor.

Emergency telephone number Poisons Information Center, New Zealand: 0800 764 766

Inhalation Remove to fresh air. If breathing is difficult, (trained personnel should) give oxygen. Give artificial respiration if victim is not breathing. Get medical attention immediately if symptoms occur.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact Wash off immediately with warm soapy water for at least 15 minutes. Get medical attention if irritation develops and persists. Take off contaminated clothing and wash it before reuse.

Ingestion Clean mouth with water and drink plenty of water afterwards. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, lean patient forward or place on left side to maintain an open airway and prevent aspiration. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

Self-protection of the first aider Avoid contact with skin, eyes, and clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms Irritation. May cause redness and tearing of the eyes.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE FIGHTING MEASURES

Special firefighting instructions

Suitable extinguishing media Dry chemical, CO2, water spray or regular foam. Do not use water jet.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical Combustible. May burn but does not ignite readily.

Hazardous products of combustion Fire may produce irritating or toxic gases including Carbon oxides, Nitrogen oxides and metal oxides

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes. Ensure adequate ventilation. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Wash thoroughly after handling.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent entry into drains and waterways.

Methods and material for containment and cleaning up

Methods for containment Spill or leak should be isolated immediately. Keep unauthorised personnel away. Prevent further leakage or spillage if safe to do so. Contain run-off from fire control or dilution water – run-off may cause pollution.

Methods for cleaning up Use appropriate personal protective equipment (PPE). Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust.

Precautions to prevent secondary hazards

Prevention of secondary hazards Ventilate spillage area. Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Obtain special instructions before use. Ensure adequate ventilation. Use personal protection equipment. Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Wear protective gloves / protective clothing / eye protection / face protection and suitable respirator (see Section 8).

General hygiene considerations Avoid contact with eyes. Wash eyes and hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place, out of direct sunlight. Protect from moisture. Keep container closed when not in use. Keep in original container. Keep away from heat and sources of ignition. No smoking. Keep away from incompatible materials. Store locked up. Store at 10 - 25°C

Incompatible materials Strong acids, borane/boron oxide, zinc, calcium oxide, methyl vinyl ether, strong oxidizing agents. Water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits No value assigned for this specific material by the New Zealand Workplace Health & Safety Authority.

Appropriate engineering controls

Engineering controls Apply technical measures to comply with the occupational exposure limits. Handle in a fully enclosed system and equipment. If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

Individual protection measures, such as personal protective equipment

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES

Eye/face protection	Safety/chemical goggles.
Hand protection	Handle with impervious gloves.
Skin and body protection	Wear suitable protective clothing to avoid skin contact. Boots. Overalls.
Respiratory protection	Not stated
Environmental exposure controls	No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Smooth and slick oily liquid
Colour	Pale tan or light caramel
Odour	Mild garlic
Odour threshold	No information available.

Property	**Values**	**Remarks • Method**
pH	3.5	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	Not applicable	None known
Evaporation rate	No data available	None known

Upper flammability or explosive limits	No data available	None known
Lower flammability or explosive limits	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.96kg/L	
Water solubility	Slightly soluble	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	

Other information

10. STABILITY AND REACTIVITY

Reactivity

Reactivity Hydrophobic – forms a distinct layer on top of water and repels water-based substances.

Chemical stability

Stability Stable under recommended storage conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Conditions to avoid

Conditions to avoid Moisture. Avoid excessive heat and sunlight.

Incompatible materials

Incompatible materials Strong acids, borane/boron oxide, zinc, calcium oxide, methyl vinyl ether, strong oxidizing agents. Water.

Hazardous decomposition products

Hazardous decomposition products Calcium oxide. Hydrogen chloride. Carbon oxides. Nitrogen oxides. Metal oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Information on likely routes of exposure

Product Information No adverse health effects expected if the chemical is handled in accordance with this Safety Data Sheet and the chemical label. Symptoms or effects that may arise if the chemical is mishandled and overexposure occurs are:

Inhalation May be harmful if inhaled.

Eye contact Causes serious eye irritation.

Skin contact May cause skin irritation.

Ingestion May be harmful if swallowed.

Symptoms Irritation. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium chloride	> 1000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-

See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure May cause respiratory irritation.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity Keep out of waterways.

Terrestrial ecotoxicity There is no data for this product.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Calcium chloride	-	LC50: =10650mg/L (96h, Lepomis macrochirus)	LC50: 2280000 - 3948000µg/L (48h, Daphnia magna)

Persistence and degradability

Mobility No information available.

Bioaccumulation No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products	Dispose of product in packaging/container in a way that is consistent with the Hazardous Substances (Disposal) Notice 2017 and the Act, and Hazardous Substances (Amendments and Revocations) Notice 2020. Treat the chemical using a method that changes the characteristics or composition of the chemical so that the chemical is no longer a hazardous chemical; or export the chemical from New Zealand as waste.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT	Not classified as a Dangerous Good under NZS 5433 Transport of Dangerous Goods on Land; NON-DANGEROUS GOODS.
IATA	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.
IMDG	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

New Zealand	HSR002521 Animal Nutritional and Animal Care Products Group Standard 2020
National regulations	See section 8 for national exposure control parameters The Agricultural Compounds and Veterinary Medicines Act 1997 is applicable to this substance

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International Inventories

NZIoC	The components of this product are listed on the New Zealand Inventory of Chemicals.
TSCA	Not determined. Contact supplier for inventory compliance status.
DSL/NDSL	Not determined. Contact supplier for inventory compliance status.
EINECS/ELINCS	Not determined. Contact supplier for inventory compliance status.
ENCS	Not determined. Contact supplier for inventory compliance status.
IECSC	Not determined. Contact supplier for inventory compliance status.
KECL	Not determined. Contact supplier for inventory compliance status.
PICCS	Not determined. Contact supplier for inventory compliance status.
AIIC	The components of this product are listed on the Australian Inventory of Industrial Chemicals.

Legend:
NZIoC - New Zealand Inventory of Chemicals
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

16. OTHER INFORMATION

Supplier Safety Data Sheet 07/ 2025

Prepared By	This Safety Data Sheet has been prepared on behalf of Vitapower Limited
Issuing Date:	28-Jul-2025
Reason(s) For Issue:	Initial / Primary SDS Determination of Hazardous Chemical Classification

Revision Note:
None

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australian Industrial Chemicals Introduction Scheme (AICIS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Disclaimer

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Vitapower Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Vitapower representative or Vitapower Limited at the contact details on page 1.

Vitapower Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

End of Safety Data Sheet