SAFETY DATA SHEET
Cal-Boost Boluses

1. PRODUCT AND COMPANY IDENTIFICATION

SDS Name:	Cal-Boost Boluses
Product ID:	SOL-CAB209g
DIN Number:	N/A
CAS no:	Mixture, refer to **Section 3**
Chemical Present:	Refer to **Section 3**
Company Identification:	Solvet 7226- 107th Avenue South East Calgary, Alberta Canada T2C5N6 www.solvet.ca
For information call:	(403) 456-2245
Emergency number:	(613) 996-6666 (CANUTEC) 1-800 463-5060 OR (418) 656-8090 (Control Poison Center)

2. HAZARD IDENTIFICATION

2.1 Classification of the Substances or Mixture

GHS Classification in accordance with Hazardous Products Regulations (HPR)
(SOR/2015-17)
Eye irritation (Category 2A), H319
For the full text of the H-Statements mentioned in this Section, see section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal word	Warning	
Hazard statement(s) H319	Causes serious eye irritation.	
Precautionary Statement(s) P264 P280 P305 + P351 + P338		Wash skin thoroughly after handling. Wear eye protection/ face protection. 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.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS- none

3. CHEMICAL COMPOSITION / HAZARDOUS INGREDIENTS

3.1 Substances

Formula:	$CaCl_2 . 2H_2O$
Molecular weight:	147.01g/mol
CAS-No.:	10035-04-8
EC-No.:	233-140-8
Index-No.:	017-013-00-2
Formula:	$CaO_4S . 0.5H_2O$
Molecular Weight:	145.15 g/mol
CAS-No.:	10034-76-1
EC-No.:	231-900-3

Hazardous Ingredients	% (weight)	Classification	LD_{50} (route, species)	LC_{50} (species)
Calcium Chloride Dihydrate	53.99	Eye Irritant 2A; H319	Oral	Not available
Calcium Sulfate Hemihydrate	25.84		Oral	Not available

For full text of the H-statements mentioned in this Section, see Section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures if inhaled:
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact:
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact:
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:
Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 **Most important symptoms and effects, both acute and delayed**
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 **Indication of any immediate medical attention and special treatment needed**
No data available

5. FIRE FIGHTING MEASURES

5.1 **Extinguishing media**

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 **Special hazards arising from the substance or mixture**

Hydrogen chloride gas, Calcium oxide, Sulphur oxides

5.3 **Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 **Further information**

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions, protective equipment and emergency procedures**
Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

6.2 **Environmental precautions**
No special environmental precautions required.

6.3 **Methods and materials for containment and cleaning up**
Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 **Reference to other sections**
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 **Precautions for safe handling Avoid contact with skin and eyes.**
Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 **Conditions for safe storage, including any incompatibilities**
Keep container tightly closed in a dry and well-ventilated place.
Hygroscopic Storage class (TRGS 510): 13: Non Combustible Solids

7.3 **Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters Components with workplace control parameters

Components	CAS-No.	Value	Control Parameters	Basis
Calcium Sulfate Hemihydrate	10034-76- 1	TWAEV	5 mg/m3	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
Remarks	The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1 %.			
Calcium Chloride Dihydrate	10035-04- 8	TWA	5 mg/m3	Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state, colour and odour:	Solid, off white powder
Odour threshold:	Odourless
pH:	Not available
Boiling point:	Not available
Melting/freezing point:	Not available
Vapour pressure:	Not available
Solubility in water:	Somewhat soluble
Coefficient of oil/water distribution:	Not available
Specific gravity or density (water=1, at 4°C):	Not available
Vapour density:	Not available
Evaporation rate:	Not available
% volatile by volume:	Not available

10. REACTIVITY AND STABILITY DATA

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Sulphur oxides, Calcium oxide, Hydrogen chloride gas
Other decomposition products - No data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rabbit - male - 500 - 1,000 mg/kg
(OECD Test Guideline 401)
Remarks: (anhydrous substance)
Inhalation: Irritating to respiratory system.
LD50 Dermal - Rabbit - male and female - > 5,000 mg/kg
Remarks: (anhydrous substance) (ECHA)
No data available

Skin corrosion/irritation

Skin - Rabbit Result: No skin irritation - 4 h
(OECD Test Guideline 404)
Remarks: (anhydrous substance)

Serious eye damage/eye irritation

Eyes - Rabbit
Result: Moderate eye irritation
(OECD Test Guideline 405)
Remarks: (anhydrous substance)

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

Ames test
S. typhimurium
Result: negative Mutagenicity (mammal cell test): chromosome aberration.
Chinese hamster fibroblasts
Result: negative

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available
Acute oral toxicity - After uptake of large quantities:, Stomach/intestinal disorders, Nausea

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
RTECS: EV9810000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	static test LC50 - Pimephales promelas (fathead minnow) - 4,630 mg/l - 96 h (US-EPA) Remarks: (anhydrous substance)
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - 2,400 mg/l - 48 h (OECD Test Guideline 202) Remarks: (anhydrous substance)
Toxicity to algae	EC50 - Pseudokirchneriella subcapitata - 2,900 mg/l - 72 h (OECD Test Guideline 201) Remarks: (anhydrous substance)

12.2 Persistence and degradability

The methods for determining biodegradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects
No data available

13. WASTE DISPOSAL

Handling and storage conditions for disposal: Store material for disposal as indicated in Handling and Storage (Section7).

Method of disposal: Review federal, provincial and local government requirements prior to disposal.

14. TRANSPORTATION INFORMATION

Not available

15. REGULATORY INFORMATION

Not available

16. OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Solvet be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Solvet has been advised of the possibility of such damages.

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR

Revision Date: 2020-03-16