



Prairie Mud Service

Fluid Solutions Thru Experience and Technology

CAT LITTER Safety Data Sheet

Revision Date: January 5, 2017

Review Date: May 8, 2024

1. IDENTIFICATION

Product identifier	Cat Litter
Other means of identification	None
Recommended use	Cat litter
Uses advised against	No information available

Supplier Address

Prairie Mud Service
738 6th Street Estevan, Sk
306-634-3411

Emergency telephone number: CANUTEC - (613) 996-6666 or *666 on cellular phone

2. HAZARDS IDENTIFICATION


Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Carcinogenicity	Category 1A
Toxic to Reproduction	Category 1B

GHS Label elements, including precautionary statements

Emergency Overview

Signal word	Danger		
Hazard Statements	May cause cancer (inhalation). May damage fertility or the unborn child.		
	Appearance	Gray and white granules	Physical State Granular solid
	Aromatic, floral, lemongrass with purple speckles and green speckles		Odor

Precautionary Statements - Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves, eye protection, and face protection.

Do not breathe dust.

Precautionary Statements - Response

If exposed or concerned: Get medical advice.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents in accordance with all applicable federal, state, and local regulations.

Hazards not otherwise classified (HNOC)

Not applicable.

Unknown Toxicity

19% of the mixture consists of ingredients of unknown toxicity.

Other information

Cat feces can sometimes transmit a disease called toxoplasmosis. Pregnant women and immunosuppressed persons are most susceptible. Always remember to wash hands thoroughly after handling **used** cat litter. Unused cat litter poses no toxoplasmosis threat. Inhalation of dust may irritate respiratory tract. Do not use this product as a traction aid because product becomes slippery and slick when wet. Particles may scratch hard surfaces, such as vinyl flooring.

Interactions with Other Chemicals

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
Bentonite	1302-78-9	70 - 90	*
Limestone	1317-65-3	10 - 25	*
Crystalline silica (quartz)	14808-60-7	< 6	*
Sodium tetraborate pentahydrate	12179-04-3	0.1 - 1	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

General Advice

Show this safety data sheet to the doctor in attendance.

Eye Contact

Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact

Rinse skin with plenty of water. If irritation persists, call a doctor.

Inhalation

Move to fresh air. If breathing problems develop, call a doctor.

Ingestion

Drink a glassful of water. Call a doctor or poison control center.

Protection of First-aiders

Avoid contact with skin, eyes, and clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

May cause slight eye irritation. Inhalation of dust may irritate nose and throat.

Most Important Symptoms and Effects

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Chemical

Not flammable. None known.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation. Use personal protective equipment as required.

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

Environmental precautions

Environmental Precautions See Section 12 for ecological information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further spillage if safe to do so.

Methods for Cleaning Up Vacuum sweep, if possible, to avoid generating airborne dust. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing. Do not eat, drink, or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Store in a dry area.

Incompatible Products None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Bentonite 1302-78-9	None	None	None
Limestone 1317-65-3	None	TWA - 15 mg/m ³ (total dust) TWA - 5 mg/m ³ (respirable fraction)	TWA - 15 mg/m ³ (total dust) TWA - 5 mg/m ³ (respirable dust)
Crystalline silica (quartz) 14808-60-7	TWA - 0.025 mg/m ³ (respirable fraction)	TWA - 30/(%SiO ₂ + 2) mg/m ³ (total dust) TWA - 10/(%SiO ₂ + 2) mg/m ³ (respirable fraction)	IDLH - 50 mg/m ³ (respirable dust) TWA - 0.05 mg/m ³ (respirable dust)
Sodium tetraborate pentahydrate 12179-04-3	STEL - 6 mg/m ³ (inhalable fraction) ^a STEL - 2 mg/m ³ (inhalable fraction) ^a ^a Listed under borate compounds, inorganic	None	TWA - 1 mg/m ³

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear safety glasses.

Skin and Body Protection Wear rubber or neoprene gloves.

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Dry solid	Odor	Aromatic, floral, lemongrass
Appearance	Granular	Odor Threshold	No information available
Color	Gray and white granules with purple speckles and green speckles		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	Not applicable	None known
Melting/freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	Not flammable	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Bulk density	~1.1 g/cm ³	None known
Water Solubility	Insoluble in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	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	None known
Explosive Properties	Not explosive	
Oxidizing Properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

None known.

Incompatible materials

None known.

Hazardous Decomposition Products

None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Inhalation may irritate respiratory tract.
Eye Contact	Dust may cause temporary eye irritation.
Skin Contact	Minor or no effects expected.
Ingestion	Minor or no effects expected.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Bentonite 1302-78-9	>5 g/kg (Rat)	-	-
Quartz 14808-60-7	0.5 g/kg (Rat)		
Sodium tetraborate pentahydrate 12179-04-3	2.4 g/kg (Rat)	>2 g/kg (Rabbit)	-

Information on toxicological effects

Symptoms May cause redness and tearing of the eyes. Inhalation may irritate respiratory tract.

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

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Crystalline silica (quartz) 14808-60-7	A2	Group 1	Known	X

ACGIH: (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP: (National Toxicology Program)

Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

Reproductive Toxicity Contains a known or suspected reproductive toxin (sodium tetraborate pentahydrate).

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic Toxicity

Contains a known or suspected carcinogen. Contains a known or suspected reproductive toxin. Possible risk of irreversible effects. Bentonite contains naturally occurring crystalline silica. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1).

Target Organ Effects

Respiratory system, reproductive system, respiratory system, eyes.

Aspiration Hazard Not an aspiration hazard.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

Used cat litter is not recommended for use in the garden.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Reclaim, if possible, since material may be used as an absorbent for liquid spills. Dispose of in accordance with all applicable federal, state, and local regulations.

Contaminated Packaging

Dispose of in accordance with all applicable federal, state, and local regulations.

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated.
<u>TDG</u>	Not regulated.
<u>ICAO</u>	Not regulated.
<u>IATA</u>	Not regulated.
<u>IMDG/IMO</u>	Not regulated.

15. REGULATORY INFORMATION

Chemical Inventories

TSCA	All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.
DSL/NDSL	All components are on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances that are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemical.

Chemical Name	California Proposition 65
Crystalline silica (airborne particles of respirable size)	Cancer

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Limestone 1317-65-3		X	X	X	
Quartz 14808-60-7	X	X	X	X	
Sodium tetraborate pentahydrate 12179-04-3		X	X		
Carbon 7440-44-0			X	X	

International Regulations

Canada

WHMIS Hazard Class

D2A - Very toxic material

D2B - Toxic material



16. OTHER INFORMATION

NFPA Health Hazard 0 Flammability 0 Instability 0 Physical and Chemical Hazards -

HMIS Health Hazard 0* Flammability 0 Physical Hazard 0 Personal Protection A

**Indicates a chronic health hazard*

Prepared By

Prairie Mud Service

306-634-3411

Revision Date

Revision Note

January 5, 2017

Reference

General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.