

1. Identification

Product identifier	Fresh Step® Advanced Lightweight Extreme		
Other means of identification	Document Number: USA004062		
Recommended use	Cat litter		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/Distributor information			
Manufacturer			
Company name	The Clorox Company		
Address	1221 Broadway Oakland, CA 94612 United States		
Telephone	1-510-271-7000		
E-mail	Not available.		
Emergency phone number	Medical Emergency:	1-800-446-1014	
	Transportation Emergency:	1-800-424-9300 (Chemtrec)	

2. Hazards Identification

Physical hazards	Not classified.	
Health hazards	Carcinogenicity	Category 1A
	Reproductive toxicity	Category 1B
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

Label elements



Signal word	Danger
Hazard statement	May cause cancer. May damage fertility or the unborn child.
Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye protection.
Response	IF exposed or concerned: Get medical attention.
Storage	Store locked up.
Disposal	Dispose of container in accordance with local, regional, national and international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure. This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations.

3. Composition/Information on Ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Bentonite		1302-78-9	80-100*
Cellulose		9004-34-6	10-30*
Crystalline silica		14808-60-7	0.1-1*
Sodium tetraborate pentahydrate		12179-04-3	0.1-1*

All concentrations are in percent by weight.

Composition comments

US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

4. First Aid Measures

Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Skin contact	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Ingestion	Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.
Most important symptoms/effects, acute and delayed	Coughing. Direct contact with eyes may result in mechanical irritation. Toxoplasmosis Warning: We would like to remind our customers, especially pregnant women and immunosuppressed persons, that cat feces can sometimes transmit a disease called toxoplasmosis. Therefore, always remember to wash hands thoroughly after handling used cat litter. For further information, consult your doctor.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Symptoms may be delayed. For further information, call 1-800-325-9259
General information	Avoid contact with eyes and skin. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep out of reach of children.

5. Fire Fighting Measures

Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.
Specific methods	Use water spray to cool unopened containers.
General fire hazards	No unusual fire or explosion hazards noted. Not a fire hazard.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk. Following product recovery, flush area with water. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

7. Handling and Storage

Precautions for safe handling	Caution: Do not use this product as a traction aid, because product becomes slippery and slick when wet. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Provide appropriate exhaust ventilation at places where dust is formed. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing. When using do not eat or drink.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure Controls/Personal Protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Cellulose (CAS 9004-34-6)	PEL	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.
Crystalline silica (CAS 14808-60-7)	PEL	0.05 mg/m ³	Respirable dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Cellulose (CAS 9004-34-6)	TWA	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
Crystalline silica (CAS 14808-60-7)	TWA	0.1 mg/m ³	Respirable.
		2.4 mppcf	Respirable.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Cellulose (CAS 9004-34-6)	TWA	10 mg/m ³	
Crystalline silica (CAS 14808-60-7)	TWA	0.025 mg/m ³	Respirable fraction.
Sodium tetraborate pentahydrate (CAS 12179-04-3)	STEL	6 mg/m ³	Inhalable fraction.
	TWA	2 mg/m ³	Inhalable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Cellulose (CAS 9004-34-6)	TWA	5 mg/m ³	Respirable.
		10 mg/m ³	Total
Crystalline silica (CAS 14808-60-7)	TWA	0.05 mg/m ³	Respirable dust.
Sodium tetraborate pentahydrate (CAS 12179-04-3)	TWA	1 mg/m ³	

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Not normally required if good ventilation is maintained.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses if eye contact is possible.

Skin protection

Hand protection Rubber gloves. Confirm with a reputable supplier first.

Other As required by employer code.

Respiratory protection Not normally required if good ventilation is maintained.

Thermal hazards Not applicable.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Avoid contact with the skin and the eyes. When using do not eat or drink.

9. Physical and Chemical Properties

Appearance	Granules
Physical state	Solid.
Form	Granules
Color	Light grey
Odor	Not available.
Odor threshold	Not available.
pH	Not available.

Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	Not available.
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	0.8 g/cm ³
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and Reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Acids. Chlorine. Fluorine.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological Information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Not expected to be a primary skin irritant.
Eye contact	Direct contact with eyes may result in mechanical irritation.
Ingestion	May cause stomach distress, nausea or vomiting.

Symptoms related to the physical, chemical and toxicological characteristics Coughing.

Information on toxicological effects

Acute toxicity Toxoplasmosis Warning: We would like to remind our customers, especially pregnant women and immunosuppressed persons, that cat feces can sometimes transmit a disease called toxoplasmosis. Therefore, always remember to wash hands thoroughly after handling used cat litter. For further information, consult your doctor.

Components	Species	Test Results
Bentonite (CAS 1302-78-9)		
Acute		
<i>Dermal</i>		
LD50	Not available	

Components	Species	Test Results
<i>Inhalation</i> LC50	Not available	
<i>Oral</i> LD50	Not available	
Cellulose (CAS 9004-34-6)		
Acute <i>Dermal</i> LD50	Rabbit	> 2000 mg/kg, RTECS
<i>Inhalation</i> LC50	Rat	> 5800 mg/m ³ , 4 Hours, RTECS
<i>Oral</i> LD50	Rat	> 5000 mg/kg, RTECS
Crystalline silica (CAS 14808-60-7)		
Acute <i>Dermal</i> LD50	Not available	
<i>Inhalation</i> LC50	Not available	
<i>Oral</i> LD50	Not available	
Sodium tetraborate pentahydrate (CAS 12179-04-3)		
Acute <i>Dermal</i> LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i> LC50	Rat	> 2 mg/L, 4 Hours, ECHA
<i>Oral</i> LD50	Rat	> 2000 mg/kg, ECHA
Skin corrosion/irritation	Not expected to be a primary skin irritant.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitization		
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Germ cell mutagenicity	Non-hazardous by OSHA criteria.	
Carcinogenicity	May cause cancer.	
ACGIH Carcinogens		
Crystalline silica (CAS 14808-60-7)	A2 Suspected human carcinogen.	
Sodium tetraborate pentahydrate (CAS 12179-04-3)	A4 Not classifiable as a human carcinogen.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Crystalline silica (CAS 14808-60-7)	Supplement 7, Volume 68, Volume 100C 1 Carcinogenic to humans.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)		
Crystalline silica (CAS 14808-60-7)	Cancer	
US. National Toxicology Program (NTP) Report on Carcinogens		
Crystalline silica (CAS 14808-60-7)	Known To Be Human Carcinogen.	

Reproductive toxicity	May damage fertility or the unborn child.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged or repeated exposure may cause lung injury.
Further information	Not available.

12. Ecological Information

Ecotoxicity See below

Ecotoxicological data

Components	Species	Test Results
Bentonite (CAS 1302-78-9)		
Aquatic		
Fish	LC50 Rainbow trout, donaldson trout (Oncorhynchus mykiss)	19000 mg/L, 96 hours

Sodium tetraborate pentahydrate (CAS 12179-04-3)

Aquatic

Fish	LC50	Western mosquitofish (Gambusia affinis)	104 mg/L, 96 hours
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Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Mobility in general	Not available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

General	Canada: TDG Proof of Classification: Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.
U.S. Department of Transportation (DOT)	Not regulated as dangerous goods.
Transportation of Dangerous Goods (TDG - Canada)	Not regulated as dangerous goods.
IATA/ICAO (Air)	Not regulated as dangerous goods.
IMDG (Marine Transport)	Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
	Product is compliant with CPSC regulatory guidelines.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Crystalline silica (CAS 14808-60-7)

Cancer
lung effects
immune system effects
kidney effects

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No (Exempt)

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations See below

US - Minnesota Haz Subs: Listed substance

Cellulose (CAS 9004-34-6)

CELLULOSE (PAPER FIBER)

Crystalline silica (CAS 14808-60-7)

QUARTZ

QUARTZ (SEE SILICA - CRYSTALLINE)

Sodium tetraborate pentahydrate (CAS 12179-04-3)

BORATES, TETRA, SODIUM SALTS PENTAHYDRATE

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. Massachusetts RTK - Substance List

Cellulose (CAS 9004-34-6)

Crystalline silica (CAS 14808-60-7)

Sodium tetraborate pentahydrate (CAS 12179-04-3)

US. New Jersey Worker and Community Right-to-Know Act

Cellulose (CAS 9004-34-6)

Crystalline silica (CAS 14808-60-7)

Sodium tetraborate pentahydrate (CAS 12179-04-3)

US. Pennsylvania Worker and Community Right-to-Know Law

Cellulose (CAS 9004-34-6)

Crystalline silica (CAS 14808-60-7)

Sodium tetraborate pentahydrate (CAS 12179-04-3)

US. Rhode Island RTK

Cellulose (CAS 9004-34-6)

Crystalline silica (CAS 14808-60-7)

California Proposition 65

This product is not subject to warning labeling under the California Proposition 65 regulation.

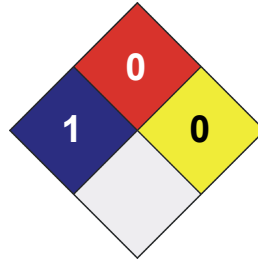
Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	* 1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Disclaimer

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01

Further information

Not available.

Other information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

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