

SAFETY DATA SHEET

Section 1, Identification

<i>Product:</i>	Karlin Foods Baking Soda, KF ID# S24BS
<i>Manufacturer:</i>	Karlin Foods Corp 1845 Oak St. Suite 19 Northfield, IL 60093
<i>Emergency Phone Number:</i>	Karlin Foods: 847-441-8330 Chemtrec: 800-424-9300
<i>Recommended Use:</i>	Leavening agent, cleaner ingredient, bath salt ingredient, water softener, diaper rinse ingredient, direct food additive
<i>Restrictions on Use:</i>	None

Section 2, Hazard(s) Identification

<i>Classification:</i>	OSHA Regulatory Status. This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
<i>Required Label:</i>	The product contains no substances which at their given concentration, are considered to be hazardous to health
<i>Other Information:</i>	Product dust may cause mechanical eye irritation.

Section 3, Composition/Information on Ingredients

<i>Formula:</i>	NaHCO ₃
<i>Chemical Name:</i>	Sodium Bicarbonate

Section 4, First Aid Measures

<i>Eye Contact:</i>	Flush eyes with water as a precaution. Get Medical attention if irritation develops and persists.
<i>Skin Contact:</i>	Wash skin with soap and water. Get medical attention if irritation develops and persists.
<i>Inhalation:</i>	Remove person to fresh air. If signs/symptoms continue, get medical attention.
<i>Ingestions:</i>	Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur
<i>Most important symptoms and effects, both acute and delayed:</i>	None known.
<i>Indication of immediate medical attention and special treatment needed, if necessary</i>	Treat symptomatically.

Section 5, Fire-Fighting Measures

<i>Suitable Extinguishing Media:</i>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
<i>Specific Hazards Arising from the Chemical:</i>	None in particular. Not flammable
<i>Hazardous Combustion Products:</i>	None
<i>Explosion data</i>	

<i>Sensitivity to Mechanical Impact:</i>	Not sensitive
<i>Sensitivity to Static Discharge:</i>	Not sensitive
<i>Protective equipment and precautions for firefighters</i>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Section 6, Accidental Release Measures	
<i>Personal Precautions:</i>	Avoid dust formation.
<i>Other:</i>	For further clean-up instructions, call Emergency Hotline number listed in Section 1 “Product and Company Identification” above.
<i>Environmental Precautions:</i>	Prevent material from entering into soil, ditches, sewers, waterways, and/or groundwater. See Section 12, Ecological Information for more detailed information.
<i>Methods for Containment:</i>	Vacuum or shovel waste into a drum and label contents for disposal.
<i>Methods for cleaning up:</i>	Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal. Dispose of waste as indications in Section 13.
Section 7, Handling and Storage	
<i>Handling:</i>	Use air conveying/mechanical systems for bulk transfer to storage. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment if release of airborne dust is expected.
<i>Storage:</i>	Keep in a dry place. Keep away from incompatible products (acids). Do not store with strong smelling materials.
<i>Incompatible Products:</i>	Except under controlled conditions: Acids
Sections 8, Exposure Controls/Personal Protection	
<i>Control Parameters:</i>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. Local nuisance dust standards apply.
<i>Appropriate Engineering Controls:</i>	Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
<i>Individual protection measures, such as personal protective equipment.</i>	
<i>Eye/Face Protection:</i>	Safety glasses with side shields
<i>Skin and Body Protection:</i>	Wear suitable protective clothing. Protective shoes or boots.
<i>Hand Protection:</i>	Protective gloves.
<i>Respiratory Protection:</i>	In case of inadequate ventilation, wear respiratory protection.
<i>Hygiene Measures:</i>	Handle in accordance with good industrial hygiene and safety practice.

<i>General Information:</i>	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.
Section 9, Physical and Chemical Properties	
<i>Appearance:</i>	Crystalline, Powder
<i>Physical State:</i>	Solid
<i>Color:</i>	White
<i>Odor:</i>	Odorless
<i>Odor Threshold:</i>	Not applicable
<i>pH:</i>	8.3 (1% solution) @ 25 degrees Celsius
<i>Melting Point/freezing point:</i>	Not applicable
<i>Boiling Point/Range:</i>	No information available
<i>Flash point:</i>	Not applicable
<i>Evaporation Rate:</i>	No information available
<i>Flammability (solid, gas):</i>	No information available
<i>Flammability Limit in Air:</i>	No information available
<i>Vapor pressure:</i>	Negligible
<i>Vapor density:</i>	No information available
<i>Density:</i>	No information available
<i>Specific gravity:</i>	2.22
<i>Water solubility:</i>	96g/L @ 20 degrees Celsius
<i>Solubility in other solvents:</i>	No information available
<i>Partition coefficient:</i>	Not applicable
<i>Autoignition temperature:</i>	No information available
<i>Decomposition temperature:</i>	No information available
<i>Viscosity, kinematic:</i>	No information available
<i>Viscosity, dynamic:</i>	No information available
<i>Explosive properties:</i>	No information available
<i>Oxidizing properties:</i>	Non-oxidizing
<i>Molecular weight:</i>	84.01
<i>Bulk Density:</i>	66 lb/cu ft
Section 10, Stability and Reactivity	
<i>Reactivity:</i>	None under normal use conditions
<i>Chemical Stability:</i>	Stable
<i>Possibility of Hazardous Reactions:</i>	None under normal processing/
<i>Hazardous polymerization:</i>	Hazardous polymerization does not occur
<i>Conditions to avoid:</i>	Heat. Humid air. Avoid contact with acids except under controlled conditions. Keep away from strong odor.
<i>Incompatible materials:</i>	Except under controlled conditions: Acids.
<i>Hazardous Decomposition Products:</i>	Reacts with acids to release carbon dioxide gas and heat.
Section 11, Toxicological Information	
<i>LD50 Oral:</i>	>5,000 mg/kg (rat)
<i>LD50 Dermal:</i>	No information available
<i>LC50 Inhalation:</i>	>4.74 mg/L (rat) 4.5 hr
<i>Eye Contact:</i>	Non-irritating

<i>Skin Contact:</i>	Non-irritating			
<i>Sensitization:</i>	Non-sensitizing			
<i>Info on toxicological effects: Symptoms</i>	No information available.			
<i>Chronic Toxicity:</i>	No known effect			
<i>Mutagenicity:</i>	Not mutagenic			
<i>Carcinogenicity:</i>	Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH)			
<i>Reproductive toxicity:</i>	No information available			
<i>STOT – single exposure:</i>	No information available			
<i>STOT – repeated exposure:</i>	No information available			
<i>Aspiration hazard:</i>	No information available			
Section 12, Ecological Information				
<u>Ecotoxicity</u>				
Sodium Bicarbonate (144-55-8)				
Active Ingredient(s)	Duration	Species	Value	Units
Sodium bicarbonate	96 hr.	<i>Lepomis macrochirus</i> (Bluefill sunfish)	NOEC: 5,200 LC50: 7,100	mg/L
Sodium bicarbonate	48 hr. immobilization test	<i>Daphnia magna</i>	NOEC: 3,100 EC50: 4,100	mg/L
Sodium bicarbonate	96 hr.	<i>Oncorhynchus mykiss</i> (rainbow trout)	NOEC: 2,300 LC50: 7,700	mg/L
<i>Persistence and degradability:</i>	Biodegradability does not pertain to inorganic substances.			
<i>Bioaccumulation:</i>	Does not bio-accumulate			
<i>Mobility:</i>	Dissociates into ions.			
<i>Other Adverse Effects:</i>	None known.			
Section 13, Disposal Considerations				
<i>Waste disposal methods:</i>	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). Dispose of in accordance with local regulations.			
<i>Contaminated Packaging:</i>	Dispose of in accordance with local regulations			
Section 14, Transport Information				
<i>DOT</i>	Not Regulated			
Section 15, Regulatory Information				
<i>U.S. Federal Regulations</i>				
<i>SARA313</i>	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			
<i>SARA 311/312 Hazard Categories</i>				
<i>Acute health hazard</i>	No			
<i>Chronic health hazard</i>	No			
<i>Fire hazard</i>	No			
<i>Sudden release of pressure hazard</i>	No			
<i>Reactive Hazard</i>	No			

<i>Clean Water Act</i>	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)							
<i>CERCLA</i>	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.							
<i>California Proposition 65</i>	This product does not contain any Proposition 65 Chemicals							
<i>U.S. State Right-to-Know Regulations</i>	This product does not contain any substances regulated by state right-to-know regulations.							
<i>International Inventories</i>								
Component	TSCA (United States)	DSL (Canada)	EINECS/ELI NCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Sodium Bicarbonate 144-55-8 (100)	X	X	X	X	X	X	X	X
Section 16, Other Information								
NFPA	Health Hazards 0	Flammability 0	Instability 0	Special Hazards -				
HMIS	Health Hazards 0	Flammability 0	Physical hazard 0	Personal Protection X				
NFPA/HMIS Ratings Legend Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0								
Product Certifications This product meets the chemical testing specifications defined in the USP and Food Chemicals Codex (FCC), 9th Edition and is manufactured under GMP and in compliance with FSMA. The MUL (maximum use level) for sodium bicarbonate is 100 mg/L under NSF/ANSI Standard 60.								



Woeber **MUSTARD** Manufacturing Company

P.O. Box 388 • 1966 Commerce Circle • Springfield, Ohio 45501

Phone 937/323-6281 • 1-800/548-2929 • FAX 937/323-1679

Section 1: Identification

Product Identifier: Vinegar (5% acidity)
Chemical Name: Acetic Acid (CH₃COOH)
CAS #: 64-19-7
Recommended Use: Food
Manufacturer Name: Woeber Mustard Mfg. Company
Address: 1966 Commerce Circle
Springfield, OH 45501
Telephone: 1-800-548-2929
Emergency Number: CHEMTREC: 1-800-424-9300

Section 2: Hazard(s) Identification

GHS Classification: Skin Corrosive 2, Eye Irritant 2A, Hazardous to aquatic environment



Signal Word : WARNING

Hazard Statements
H320: Causes eye irritation
H315: Causes skin irritation
H332: Harmful if inhaled
H402: Harmful to aquatic life

Precautionary Statements
P261: Avoid breathing fumes/mist/vapors/spray
P264: Wash exposed skin thoroughly after handling.
P280: Wear protective gloves to avoid prolonged exposure.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P273: Avoid release into the environment

Concentrated vapors irritating to eyes and respiratory tract, avoid inhalation. May cause minor skin irritation.

NFPA Scale-



NFPA SCALE (0-4)

HMIS Rating-

Health	2
Flammability	1
Physical Hazard	0
Personal Protection	X

HMIS RATINGS (0-4)

Section 3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
Acetic Acid	5%	64-19-7
Water	95%	7732-18-5

Section 4: First Aid Measures

Inhalation:	If exposed to excessive levels of fumes, remove to fresh air.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER.
Skin Contact:	If on skin; wash with plenty of soap and water. If skin irritation occurs, seek medical advice/attention. If on clothes; remove/take off all contaminated clothing. Rinse skin with soap and water.
Ingestion:	Intended for ingestion, however if swallowed in large quantities, water may be consumed to dilute. Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Section 5: Fire Fighting Measures

Flash Point:	40° C (104° F) closed cup (Acetic Acid)
Auto Ignition Temp.:	427° C (800° F) (Acetic Acid)
Flammable Limits in Air:	4.0% - 16% (Acetic Acid)
Extinguishing Media:	Water spray, foam CO2 or dry chemical. Water may be used to dilute spills and reduce flammability.
Hazards from Fire:	Toxic gasses and vapors may be released in a fire involving concentrated vinegars.

Section 6: Accidental Release Measures

Small Spill Procedure:	Treat or dispose of waste material as a weak acid in accordance with all local, state/provincial, and national requirements. Water may be used to dilute.
Large Spill Procedure:	Contain spilled material. Large spills may be neutralized with dilute alkaline solutions of soda ash, or lime. Avoid runoff into storm sewers and ditches that lead to waterways. Treat or dispose of waste material as a weak acid in accordance with all local, state/provincial, and national requirements.
Personal Protection:	Protect skin and eyes from exposure. Avoid breathing vapor.
Environmental Precautions:	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Section 7: Handling and Storage

Precautions for Handling:

Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Wash contaminated clothing before reusing.

Conditions for safe Storage:

Store in a cool, well ventilated place.

Section 8: Exposure Controls/Personal Protection

Permissible Exposure Limit (PEL): 10 ppm acetic acid

Threshold Limit Value (TLV): 10 ppm acetic acid

Short Term Exposure Limit (STEL): 15 ppm acetic acid

Recommended Exposure Limit (REL): 10 ppm acetic acid

Engineering Controls:

Local exhaust ventilation may be necessary to control any air contaminants to within their TLV during the use of the product. Emergency shower and eye wash stations should be readily available.

Eye/Face Protection:

Wear safety glasses and/or face shield.

Skin Protection:

Rubber/neoprene gloves recommended. Rubber apron or other protective equipment as needed to reduce direct contact. (Concentrated vinegars only)

Respiratory Protection:

As required to prevent exposure to concentrations which exceed the PEL.

Thermal Hazards: None known

General Hygiene considerations:

Section 9: Physical and Chemical Properties

Physical State and Appearance:	Liquid
Odor:	Pungent, Vinegar-like
Color:	Colorless, Clear
Boiling Point:	100°C (212°F)
Freezing Point:	-2.22°C (28 °F)
PH:	2.6
Specific Gravity:	1.049 (Water = 1)
Vapor Pressure:	1.5 kPa @ 20°C
Solubility in Water:	Complete

Section 10: Stability and Reactivity

Reactivity/Stability:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Incompatibilities:	Avoid strong oxidizing agents / bases
Polymerization:	Will not occur

Section 11: Toxicological Information

Routes of entry	Inhalation, ingestion and skin contact
Symptoms (acute)	Respiratory irritation
Delayed effects	No data available
Carcinogenicity	No evidence of a carcinogenic effect
Mutagenicity	No evidence of a mutagenicity effect
Teratogenicity	No evidence of a teratogenicity effect
Sensitization	No evidence of a sensitization effect
Reproductive	No evidence of a Reproductive effect

Section 12: Ecological Information

Ecotoxicity:	Will biodegrade readily under aerobic and anaerobic conditions.
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Section 13: Disposal Considerations

Treat or dispose of waste material as a weak acid in accordance with all local, state/provincial, and national requirements.

Section 14: Transportation Information

Product Label:	Vinegar.
DOT Shipping Name:	Not applicable
Technical Shipping Name:	Not applicable
DOT Hazard Class:	Not applicable
UN Number:	Not applicable for vinegar containing less than 25% acetic acid, provided packaging complies with ADR Special Provision 647; UN2790 for vinegar containing more than 25% acetic acid
Product RQ (lbs):	Quantity containing the equivalent of 5000 lb of 100% acetic acid, (16,667 lb of vinegar containing 30% acetic acid)
DOT Label:	Not applicable

Section 15: Regulatory Information

Canadian Disclosure List:

Acetic Acid (64-19-7)

Comprehensive Environmental Response, Compensation, & Liability Act (CERCLA):

Acetic Acid (64-19-7)

Food & Drug Administration (FDA)

Product is a GRAS (Generally Recognized as Safe) food ingredient.

Section 16: Other Information

Not Available

Woeber Mustard Co.	Revision Date 6/19/17	Revision Number – 3
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Safety Data Sheet (SDS)

Prepared to comply with GHS (Globally Harmonized System) and OSHA-Hazard Communication Standard 29 CFR.1910.1200, System of Classifying and Labeling of Chemicals

Material Name: Peat

Section 1: Identification

- 1.1 Product trade names:** Sphagnum peat moss
- 1.2 Product Class:** Natural organic planting mixes
- Product Codes: N/A
- CAS/EC Number: Product does not have a CAS or EC number.
- Intended Use: Domestic gardening, planting mixture, and other general horticultural purpose.

1.3 Supplier:

County Materials Corp.
205 North St., P.O. Box 100
Marathon, WI 54448-0100
General Information Telephone: (800) 289-2569
Email: riskclaimssafety@countymaterials.com

1.4 Emergency telephone:

715-223-7788

Section 2: Hazard(s) Identification

2.1 Classification:

This material is not considered hazardous according to the OSHA Hazard Communication Standard or GHS Hazard Classification and Labelling System.

2.2 Labeling:

Pictograms:

None.

Signal Word:

None.

Hazard Statements:

None.

Precautionary Statements:

P261 – Avoid breathing dusts.

P271 – Use only outdoors or in a well-ventilated area.

P280 – Wear protective gloves, protective clothing, and eye protection.

- 2.3 Other Hazards:** This product is not classified as hazardous under normal conditions of use and storage. Exposure to entrained dusts may occur during agitation of dried product and can cause irritation to respiratory system. Contact with eyes and skin may cause irritation.

Section 3: Composition/Information on Ingredients

Components	CAS Number	EC Number	Concentration%
Peat	--	--	100
This product contains natural agricultural components and decomposed organic matter. It is not anticipated to contain quantities of naturally occurring crystalline silica at greater than 0.1%.			



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Material Name: Peat

Section 4: First-Aid Measures

4.1 Description of first aid measures:

Inhalation: Airborne dust may be inhaled. Remove person to fresh air. Seek medical attention if breathing difficulty develops or persists.

Skin Contact: Wash skin with soap and plenty of water. If irritation develops or persists, seek medical attention.

Eye Contact: Rinse eyes thoroughly with potable water for at least 15 minutes and remove contacts if easy to do. Rinse under eyelids to remove any particles. Seek medical attention for any abrasions or if irritation develops or persists.

Ingestion: Rinse mouth with copious amounts of water. If the person is conscious and aware, give large amounts of water to rinse material and taste from the mouth. Never attempt to make an unconscious person drink or vomit. If the person is unconscious it may be necessary to sweep the blockage out of the mouth using a finger. Seek emergency medical attention if deemed necessary.

4.2 Most important symptoms and effects:

Inhalation: May cause irritation of the respiratory tract.

Skin Contact: May cause irritation.

Eye Contact: May cause irritation, abrasions, redness, and permanent eye damage.

Ingestion: Ingestion of large amounts may cause gastrointestinal irritation, choking/blockage.

4.3 Indication of any immediate medical attention and special treatment needed: See Section 4.1.

Section 5: Fire-Fighting Measures

5.1 Extinguishing media: Product is not flammable. Use appropriate media for fire adjacent to product.

5.2 Special hazards arising from the substance or mixture: None known.

5.3 Advice to firefighters: None.

Section 6: Accidental Release Measures

6.1 Personal precautions: Wear dust-mask or respirator if airborne concentrations approach or exceed exposure limits detailed in Section 8.

6.2 Environmental precautions: Carefully clean up spilled material and place the material into suitable containers and hold for reuse or disposal. Dispose of the waste material in accordance with local regulations.

6.3 Methods and materials for containment and cleaning up: Shovel material. Avoid sweeping to limit dried airborne dust.

6.4 Reference to other sections: Use information obtained throughout this SDS to be fully prepared in case of accidental release.

Section 7: Handling and Storage

7.1 Precautions for safe handling: Avoid excessive dust formation and breathing dust. Persons handling the product should wear recommended personal protective equipment (PPE) as noted in Section 8. Wash thoroughly with potable water and mild soap after handling. Use outdoors or provide ventilation.

7.2 Conditions for safe storage, including any incompatibilities: Store at ambient temperatures. Clean up by shovel, wet sweeping and/or vacuuming.

7.3 Specific end uses: See Section 1. for intended uses.



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Material Name: Peat

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters: Note the limits shown below are for guidance only. Follow applicable regulations in your jurisdiction.

Substance Name	Source	Exposure Limit
Total Dust (or Particulates Not Otherwise Classified)	ACGIH	10 mg/m ³ (I) / 3 mg/m ³ (R)
	OSHA	15 mg/m ³ (T) / 5 mg/m ³ (R)
	NIOSH	10 mg/m ³ (T) / 5 mg/m ³ (R)

8.1.1 Currently recommended monitoring procedures: No recommendations.

8.1.2 Exposure guidelines for air contaminants, if any: See Section 8.1

8.1.3 DNELS and PNECS for exposure scenarios: Information not available at this time.

8.1.4 Control banding for risk management: Use good industrial hygiene practice, wear appropriate PPE and use only in well ventilated places.

8.2 Exposure Controls:

8.2.1 Appropriate engineering controls: If used in an enclosed area, provide adequate local exhaust ventilation when possible to remove and prevent buildup of any dusts generated from the handling of this product. Water suppression may also be used to limit airborne dusts from dried product during application or use.

8.2.2 Individual protection methods: Use good industrial hygiene practices in handling this material. Eye wash stations should be available. Wash exposed skin with potable water and mild soap after use. If any irritation or redness is noted, treat symptomatically or consult a doctor immediately. Wear gloves, safety glasses/goggles and protective clothing. In case of eye contact, flush with plenty of clean, potable water for at least 15 minutes. Remove contacts if easy to do so. Seek medical attention if irritation occurs. Avoid dust inhalation and direct contact with skin and eyes. Wash contaminated skin before eating, drinking or smoking.

8.2.3 Personal Protective Equipment:

Eye/Face: Use appropriate eye protection: glasses with side shields or goggles.

Skin: Avoid contact by covering skin with protective clothing. Wear gloves when handling the product. Wear eye protection. Wash exposed skin thoroughly with potable water and mild soap.

Respiratory: If airborne concentrations are above the applicable exposure limits, use NIOSH-approved respirator if qualified.



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Material Name: Peat

Section 9: Physical and Chemical Properties

Physical State:	Combined blend of material
Color:	Varying brown/black shades
Odor:	Earthy
Odor Threshold:	Not applicable
Melting Point:	Not applicable
Freezing Point:	Not applicable
Initial Boiling Point:	Not applicable
Flammability (solid, gas):	Not applicable
Lower and Upper Explosion Limits/Flammability Limit:	Not applicable
Flash Point:	Non-flammable
Auto-Ignition Temperature:	Not applicable
Decomposition Temperature:	Not evaluated
pH:	5 - 7
Kinematic Viscosity:	Not applicable
Solubility:	Non-soluble
Partition Coefficient:	Not applicable
Vapor Pressure	Not applicable
Density (and/or Relative Density):	Not evaluated
Relative Vapor Density:	Not applicable
Particle Characteristics:	Variable sizes

Section 10: Stability and Reactivity

10.1 Reactivity: None known.

10.2 Chemical stability: Stable under normal conditions of storage and use.

10.3 Possibility of hazardous reactions: Avoid contact with powerful oxidizing agents.

10.4 Conditions to avoid: Avoid dust concentrations above permissible exposure limits.

10.5 Incompatible materials: Incompatible materials and possible hazardous reactions are detailed in Section 10.3.

10.6 Hazardous decomposition or byproducts: Highly improbable. Hazardous polymerization will not occur.

Section 11: Toxicological Information

11.1 Information on toxicological effects:

Acute Exposure and Symptoms:

Inhalation: May cause irritation of the respiratory system.

Skin Contact: May cause irritation.

Eye Contact: May cause irritation, abrasions, redness, and permanent eye damage.

Ingestion: Ingestion of large amounts may cause gastrointestinal irritation, choking/blockage.

Chronic Exposure:

Prolonged exposure to dust may cause irritation to the respiratory tract, inflame or sensitize the nose, throat and lungs resulting in illnesses such as asthma or pneumonia.

Numerical Measures of Toxicity

There no numerical measures of toxicity available for the product at this time.



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Material Name: Peat

Section 11: Toxicological Information

Component Carcinogenicity

This product is not a known or suspected carcinogen.

Specific Target Organ Toxicity Single/Repeat Exposure – Respiratory System

Repeated inhalation of dusts can lead to irritation of the respiratory tract, inflame or sensitize the nose, throat and lungs resulting in illnesses such as asthma or pneumonia. Exposure to dust may occur with agitation of the product if the product is dry.

Skin Sensitizer

Not expected to be a skin sensitizer.

Section 12: Ecological Information (non-mandatory)

12.1 Ecotoxicity:

General Product Information: Product when used as intended is not hazardous to the environment.

Component Analysis - Ecotoxicity : Ecotoxicity data are not available for this product's.

Environmental Fate: No information available for the product.

Section 13: Disposal Considerations (non-mandatory)

13.1 Waste treatment methods:

General Product Information: Whatever cannot be saved or recovered for recycling should be disposed of according to state and local regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14: Transport Information (non-mandatory)

Product is not classified as Dangerous Goods.

Section 15: Regulatory Information (non-mandatory)

15.1 Safety, health, and environmental regulation:

US Federal Regulations

General Product Information: No component is listed on the U.S. EPA TSCA Inventory List.

Component Analysis: Components of this product are not listed as hazardous under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

General Product Information: Other state regulations may apply. Check individual state requirements.

California Prop. 65 Components: This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.



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Material Name: Peat

Section 15: Regulatory Information (non-mandatory)

Section 16: Other Information

Other Information

Disclaimer: Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Safety Data Sheet before handling product.

Key to Abbreviations and Acronyms:

ACGIH:	American Conference of Governmental Industrial Hygienists
DNEL:	Derived No Effect Level
EINECS:	European Inventory of Existing Commercial Chemical Substances
EPA:	Environmental Protection Agency
EU:	European Union
GHS	Globally Harmonized System of classification and labelling of chemicals
IARC:	International Agency for Research on Cancer
I:	Inhalable Particles
LC50:	Lethal concentration in air fatal to 50 percent of test animals
LD50:	Lethal dose by mouth or other route to 50 percent of test animals
LDLo:	Lowest lethal dose
NIOSH:	National Institute for Occupational Safety and Health
NJTSTR:	New Jersey Trade Secret Registry
NOEC:	No Observed Effect Concentration
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration (USA)
PNEC:	Predicted No Effect Concentration
PNOC:	Particulates Not Otherwise Classified
PPM:	Parts Per Million
R:	Respirable Particles
STEL:	Short Term Exposure Limit
T:	Total Dust
TLV:	Threshold Limit Value
TSCA:	Toxic Substance Control Act
TWA:	Time weighted average

**** This is the end of SDS – Peat ****



Sakrete Sands & Gravel

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 09/26/2016

Revision date: 01/31/2018

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Sakrete Sands & Gravel
Product code : Not available

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Various

1.3. Details of the supplier of the safety data sheet

Sakrete of North America
625 Griffith Rd., Ste 100
Charlotte, NC 28217
T 866-725-7383

1.4. Emergency telephone number

Emergency number : For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
1-800-424-9300 [USA] / +1 703-527-3887 [CAN]

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Carc. 1A
STOT RE 1

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) : May cause cancer. Causes damage to organs through prolonged or repeated exposure.
Precautionary statements (GHS-US) : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. If exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available.

2.4. Unknown acute toxicity (GHS US)

Not applicable.

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Name	Product identifier	%
Quartz	(CAS No) 14808-60-7	60 - 100

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

Sakrete Sands & Gravel

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

SECTION 4: First aid measures

4.1. Description of first aid measures

- | | |
|---------------------------------------|---|
| First-aid measures after inhalation | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell. |
| First-aid measures after skin contact | : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists. |
| First-aid measures after eye contact | : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention. |
| First-aid measures after ingestion | : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. |

4.2. Most important symptoms and effects, both acute and delayed

- | | |
|--------------------------------------|---|
| Symptoms/injuries after inhalation | : May cause respiratory tract irritation. |
| Symptoms/injuries after skin contact | : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. |
| Symptoms/injuries after eye contact | : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. |
| Symptoms/injuries after ingestion | : May be harmful if swallowed. May cause stomach distress, nausea or vomiting. |

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

- | | |
|--------------------------------|-----------------------------------|
| Suitable extinguishing media | : Treat for surrounding material. |
| Unsuitable extinguishing media | : None known. |

5.2. Special hazards arising from the substance or mixture

- | | |
|-------------|---|
| Fire hazard | : Products of combustion may include, and are not limited to: oxides of carbon. |
|-------------|---|

5.3. Advice for firefighters

- | | |
|--------------------------------|--|
| Protection during firefighting | : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). |
|--------------------------------|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- | | |
|------------------|--|
| General measures | : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. |
|------------------|--|

6.2. Methods and material for containment and cleaning up

- | | |
|-------------------------|--|
| For containment | : Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). |
| Methods for cleaning up | : Vacuum or sweep material and place in a disposal container. |

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- | | |
|-------------------------------|---|
| Precautions for safe handling | : Avoid contact with skin and eyes. Do not breathe dust. Do not swallow. Handle and open container with care. Avoid dust formation. Good housekeeping is important to prevent accumulation of dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. When using do not eat, drink or smoke. |
| Hygiene measures | : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking. |

7.2. Conditions for safe storage, including any incompatibilities

- | | |
|--------------------|---|
| Storage conditions | : Keep out of the reach of children. Keep container tightly closed. Avoid any dust build-up by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. |
|--------------------|---|

7.3. Specific end use(s)

Not available.

Sakrete Sands & Gravel

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Quartz (14808-60-7)		
ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable fraction)
OSHA	OSHA PEL (mg/m ³)	(30)/(%SiO ₂ + 2) mg/m ³ TWA (total dust) (250)/(%SiO ₂ + 5) mppcf TWA (respirable fraction) (10)/(%SiO ₂ + 2) mg/m ³ TWA (respirable fraction)

8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear suitable waterproof gloves.
Eye protection	: Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).
Skin and body protection	: Wear suitable waterproof protective clothing.
Respiratory protection	: A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Granular powder
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not flammable
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available.

Sakrete Sands & Gravel

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions. Keep dry in storage.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Heat. Incompatible materials.

10.5. Incompatible materials

Moisture. Wet cement is alkaline and incompatible with acid, ammonium salts and aluminum metal.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Sakrete Sands & Gravel	
LD50 oral rat	No data available
LD50 dermal rat	No data available
LC50 inhalation rat	No data available

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

Serious eye damage/irritation : Based on available data, the classification criteria are not met.

Respiratory or skin sensitization : Based on available data, the classification criteria are not met.

Germ cell mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : May cause cancer.

Quartz (14808-60-7)	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens

Reproductive toxicity : Based on available data, the classification criteria are not met.

STOT-single exposure : Based on available data, the classification criteria are not met.

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure. Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.

Aspiration hazard : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : May cause respiratory tract irritation.

Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful.

12.2. Persistence and degradability

Sakrete Sands & Gravel	
Persistence and degradability	Not established.

Sakrete Sands & Gravel

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

12.3. Bioaccumulative potential

Sakrete Sands & Gravel

Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Effect on global warming : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

Additional information

Other information : No supplementary information available.

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

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.3. US State regulations

Sakrete Sands & Gravel

State or local regulations	This product contains Crystalline Silica, Quartz and may also contain trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
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SECTION 16: Other information

Date of issue : 09/26/2016

Revision date : 01/31/2018

Other information : None.

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