STEMLOCK® INCORPORATED

SODIUM BICARBONATE & VINEGAR SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Identifier	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Product Form:	Substance	Mixture
Product Name:	Sodium Bicarbonate	Vinegar (>100 - 300 grain
CAS No:	144-55-8	
Formula:	$NaHCO_3$	
Synonyms:	Baking Soda	>100 - 300 grain vinegar
Intended Use of the Product	Food Ingredient, Pharmaceutical, Household and Personal Care Product, Water Treatment, General Industrial Use.	Product/Food Ingredient
Name, Address, and Telephone of the Responsible Party	Church & Dwight 500 Charles Ewing Blvd, Ewing Township, NJ 08628 T 1-800-524-1328 www.churchdwight.com	Mizkan Americas, Inc. David Bierdeman, Director of Quality Assurance 1661 Feehanville Dr., Suite 300 Mount Prospect, IL 60056 (847) 590-0059 ext. 1306 www.mizkan.com
Emergency Telephone Number	For Medical Emergency: 1-888-234-1828, For Chemical Emergency: 1-800-424-9300 (CHEMTREC)	CHEMTREC 1-800-424-9300 For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC - Day or Night.

SECTION 2: HAZARDS IDENTIFICATION

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Classification of the substance or mixture:	Classification (GHS-US) Not classified	**Classification (GHS-US):** Skin Corr. 1A H314. Serious Eye Damage 1 H318. Full text of H-phrases: see section 16.
Label Elements:	The consumer variant of this product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC) and the Food and Drug Administration (FDA). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and FDA, and as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label. GHS-US Labeling No labeling applicable	**Hazard pictograms (GHS-US):**  GHS05 **GHS05 Signal word (GHS-US):** Danger. **Hazard statements (GHS-US):** H314 - Causes severe skin burns and eye damage. **Precautionary statements (GHS-US):** P260 - Do not breathe mist, spray, or vapors. P264 - Wash exposed skin thoroughly after handling. P280 - Wear chemical goggles and face shield. Wear protective clothing and gloves made of Butyl rubber or equivalent material. P301 + P330 + P331 - If swallowed: rinse mouth. Do NOT induce vomiting. Drink plenty of water. P303 + P361 + P353 - If on skin (or hair): Take off immediately all contaminated clothing. Gently wash skin/hair with plenty of mild soap and water. 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 for 20 minutes. If eye irritation persists: Get medical advice/attention. P310 - Immediately call a POISON CENTER. P321 - Specific treatment (see Section 4 and the label). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to comply with local/regional/national/international regulations.
Other Hazards:	Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Prolonged contact with dust can produce mechanical irritation.	No additional information available.
Unknown Acute Toxicity (GHS-US):	Not available	Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Sodium Bicarbonate

Name: Sodium Bicarbonate

CAS No: 144-55-8

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Sodium bicarbonate	(CAS No) 144-55-8	100	Not classified

Vinegar (>100 - 300 grain

Vinegar (>100 - 300 grain

Name	Product Identifier	%	Classification (GHS-US)
Acetic Acid	(CAS No) 64-19-7	10 - 30	Flam. Liq. 3, H226. Acute Tox. 4 (Dermal), H312. Skin Corr. 1A, H314. Aquatic Acute 3, H402.

SECTION 4: FIRST AID MEASURES

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Description of First Aid Measures		
General:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Never give anything by mouth to an unconscious individual.
Inhalation:	When symptoms occur: go into open air and ventilate suspected area.	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact:	Brush off loose particles from skin. Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.	Gently wash with plenty of mild soap and water. Take off contaminated clothing and wash it before reuse.
Eye Contact:	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.	Immediately flush with large amounts of water, holding eyelids open, for at least 20 minutes. Repeat if necessary. Remove contact lenses, if present and easy to do. Seek medical assistance if irritation persists.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Seek medical attention if a large amount is swallowed.	Drink plenty of water. Do not induce vomiting. Do not give emetics or baking soda. Get medical advice/attention.
Most Important Symptoms and Effects Both Acute and Delayed		
General:	None expected under normal conditions of use.	
Inhalation:	Prolonged inhalation of dust may cause respiratory irritation.	Irritating to the nose, throat, and respiratory tract.
Skin Contact:	Skin contact with large amounts of dust may cause mechanical irritation.	Contact with material may irritate or burn skin.
Eye Contact:	Contact may cause irritation due to mechanical abrasion.	Extremely irritating to the eyes. If not removed promptly, will injure eye tissue, which may result in permanent damage, including blindness.
Ingestion:	Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.	Can irritate or burn mouth, throat, and stomach if swallowed.
Chronic Symptoms:	None expected under normal conditions of use.	
Indication of Any Immediate Medical Attention and Special Treatment Needed		
	If exposed or concerned, get medical advice and attention.	No additional information available.

SECTION 5: FIRE-FIGHTING MEASURES

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Extinguishing Media		
Suitable Extinguishing Media:	Use extinguishing media appropriate for surrounding fire.	Any. Use media appropriate for surrounding fire.
Unsuitable Extinguishing Media:	For surrounding fire: Use of heavy stream of water may spread fire.	
Special Hazards Arising From the Substance or Mixture		
Fire Hazard:	NOT FLAMMABLE . Under fire conditions, hazardous fumes will be present.	Material is not combustible.
Explosion Hazard:	Product is not explosive.	
Reactivity:	Hazardous reactions will not occur under normal conditions.	Stable under normal conditions of use.

SECTION 5: FIRE-FIGHTING MEASURES

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Advice for Firefighters		
Precautionary Measures Fire:	Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.	
Firefighting Instructions:	Exercise caution when fighting any chemical fire.	
Protection During Firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection.	Do not enter fire area without proper protective equipment, including respiratory protection to protect from hazardous combustion products/oxygen deficiencies.
Hazardous Combustion Products:	Carbon oxides (CO, CO2). Sodium oxides.	
Reference to Other Sections	Refer to section 9 for flammability properties.	

SECTION 6: ACCIDENTAL RELEASE MEASURES

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Personal Precautions, Protective Equipment and Emergency Procedures		
General Measures:	Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust or fumes. Avoid skin and eye contact.	
For Non-Emergency Personnel		
Protective Equipment:	Use appropriate personal protection equipment (PPE).	
Emergency Procedures:	Evacuate unnecessary personnel.	Avoid contact with skin and eyes. Evacuate area.
For Emergency Personnel		
Protective Equipment:	Equip cleanup crew with proper protection.	Use personal protective equipment as required. Wear personal protective equipment to prevent skin contact that is made of Butyl rubber or equivalent material. Wear chemical goggles and face shield to protect the eyes and face.
Emergency Procedures:	Ventilate area.	Keep unauthorized personnel away.
Environmental Precautions		
Avoid release to the environment :	Prevent entry to sewers and public waters.	Dike for treatment or disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.
Methods and Material for Containment and Cleaning Up		
For Containment:	Contain and collect as any solid.	Contain spilled material. Water may be used to dilute.
Methods for Cleaning Up:	Clean up spills immediately and dispose of waste safely. Avoid generation of dust during clean-up of spills. Keep in suitable, closed containers for disposal. Contact competent authorities after a spill.	LARGE SPILLS 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. SMALL SPILLS 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.
Reference to Other Sections	See heading 8, Exposure Controls and Personal Protection.	

SECTION 7: HANDLING AND STORAGE

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Precautions for Safe Handling		
Additional Hazards When Processed:	When heated, material emits irritating fumes.	Avoid contact with skin and eyes.
Hygiene Measures:	Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.	Always wash with plenty of mild soap and water after handling the product. Wash contaminated clothing before reuse.

SECTION 7: HANDLING AND STORAGE

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Conditions for Safe Storage, Including Any Incompatibilities		
Storage Conditions:	Store in a dry, cool and well-ventilated place. Keep container closed when not in use.	Keep container tightly closed in a dry and well-ventilated place.
Incompatible Materials:	Acids. Water. Lime.	Store away from strong oxidizing materials. Strong bases.
Storage Temperature:	< 65 °C (150 °F)	
Specific End Use(s)	Food Ingredient, Pharmaceutical, Water Treatment, General Industrial Use	Use of the substance/mixture : Product/Food Ingredient.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Sodium Bicarbonate

Control Parameters

Particulates not otherwise classified (PNOC)		
USA ACGIH	ACGIH TWA (mg/m³)	3 mg/m3 Respirable fraction, 10 mg/m3 Total Dust
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m3 Respirable fraction, 15 mg/m3 Total Dust
Alberta	OEL TWA (mg/m³)	10 mg/m³ (total)
British Columbia	OEL TWA (mg/m³)	10 mg/m³ (total dust)
Manitoba	OEL TWA (mg/m³)	10 mg/m³ (inhalable particles, recommended)
New Brunswick	OEL TWA (mg/m³)	3 mg/m³ (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction)
Newfoundland & Labrador	OEL TWA (mg/m³)	10 mg/m³ (inhalable particles, recommended)
Nova Scotia	OEL TWA (mg/m³)	10 mg/m³ (inhalable particles, recommended)
Nunavut	OEL TWA (mg/m³)	5 mg/m³ (respirable mass)
Northwest Territories	OEL TWA (mg/m³)	5 mg/m³ (respirable mass)
Ontario	OEL TWA (mg/m³)	10 mg/m³ (inhalable)
Prince Edward Island	OEL TWA (mg/m³)	10 mg/m³ (inhalable particles, recommended)
Québec	VEMP (mg/m³)	10 mg/m³ (including dust, inert or nuisance particulates; containing no Asbestos and <1% Crystalline silica-total dust)
Saskatchewan	OEL STEL (mg/m³)	20 mg/m³ (insoluble or poorly soluble-inhalable fraction), 6 mg/m³ (insoluble or poorly soluble-respirable fraction)
Saskatchewan	OEL TWA (mg/m³)	10 mg/m³ (insoluble or poorly soluble-inhalable fraction), 3 mg/m³ (insoluble or poorly soluble-respirable fraction)

Vinegar (>100 - 300 grain

Vinegar	
ACGIH	Not Established.
OSHA	Not Established.

Acetic Acid (64-19-7)		
ACGIH	ACGIH (TWA) (mg/m³)	25 mg/m³
ACGIH	ACGIH (TWA) (ppm)	10 ppm
ACGIH	ACGIH (STEL) (mg/m³)	37 mg/m³
ACGIH	ACGIH (STEL) (ppm)	15 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	25 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	10 ppm
NIOSH	NIOSH REL (TWA) (mg/m³)	25 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	10 ppm
NIOSH	NIOSH REL (STEL) (mg/m³)	37 mg/m³
NIOSH	NIOSH REL (STEL) (ppm)	15 ppm

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Exposure Controls		
Appropriate Engineering Controls:	For occupational/workplace settings: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Adequate controls should be utilized to control airborne levels to meet current regulations and guidelines.
Personal Protective Equipment:	For occupational or bulk quantities: Gloves. Safety glasses. Dust formation: dust mask	Avoid all unnecessary exposure.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Exposure Controls		
Materials for Protective Clothing:	For occupational or bulk quantities: Chemically resistant materials and fabrics.	When prolonged or frequently repeated contact could occur, use protective clothing made of Butyl rubber or equivalent material.
Hand Protection:	For occupational or bulk quantities: Wear chemically resistant protective gloves.	In case of repeated or prolonged contact wear gloves made of Butyl rubber or equivalent material.
Eye Protection:	For occupational or bulk quantities: Chemical goggles or safety glasses.	Wear chemical goggles or safety glasses for 100 to 200 grain. Wear chemical goggles plus face shield for 200 or 300 grain.
Respiratory Protection:	Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.	If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.
Other Information:	When using, do not eat, drink or smoke.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Information on Basic Physical and Chemical Properties		
Physical State:	Solid	Liquid
Appearance:	White, crystalline powder	Appropriate color for type of vinegar
Odor:	None	Appropriate odor for type of vinegar
Odor Threshold:	Not available	0.037 - 0.15 ppm acetic acid
pH:	8.2 (1% Solution)	2 at 30% acetic acid (calculated)
Evaporation Rate:	Not available	No data available
Melting Point:	Not available	No data available
Freezing Point:	Not available	-9°C (15°F) at 30% acetic acid (calculated)
Boiling Point:	Not available	103°C (217°F) at 30% acetic acid (calculated)
Flash Point:	Not available	Not applicable
Auto-ignition Temperature:	Not available	Not applicable
Decomposition Temperature:	Not available	No data available
Flammability (solid, gas):	Not available	Not applicable
Upper/Lower Flammable Limit:	Not available	
Vapor Pressure:	Not available	15.6 mm Hg at 30% acetic acid (calculated)
Relative Vapor Density at 20 °C:	Not available	1.03 - 1.04 at 30% acetic acid (Water = 1)
Specific gravity / density:	62 lb/ft3	
Specific Gravity:	Not available	
Solubility:	Water: 8.6 g/100ml @ 20 °C (68 °F)	Soluble in water
Partition Coefficient: N-octanol/water:	Not available	
Viscosity :	Not available	No data available
Explosion Data – Sensitivity to Mechanical Impact:	Not expected to present an explosion hazard due to mechanical impact.	Not applicable
Explosion Data – Sensitivity to Static Discharge:	Not expected to present an explosion hazard due to static discharge.	Not applicable
Oxidizing properties:		Incompatible with strong oxidizers
Other information		No additional information available

SECTION 10: STABILITY AND REACTIVITY

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Reactivity:	Hazardous reactions will not occur under normal conditions.	Stable under normal conditions of use.
Chemical Stability:	Decomposes slowly on exposure to water (moisture).	Stable.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.	Hazardous polymerization will not occur.
Conditions to Avoid:	Exposure to moisture or moist air. Temperatures above 150°F (65 °C).	Refer to Section 10 on Incompatible Materials.
Incompatible Materials:	Acids. Water. Lime.	Strong oxidizing agents. Strong bases.
Hazardous Decomposition Products:	None known. At high temperature may liberate toxic gases.	Combustion may produce carbon monoxide and other harmful substances.

SECTION 11: TOXICOLOGICAL INFORMATION

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Information on Toxicological Effects - Product		
Acute Toxicity:	Not classified	Not classified.
LD50 and LC50 Data:		

Sodium Bicarbonate	
LD50 Oral Rat	7.3 g/kg
LC50 Inhalation Rat	> 4.7 mg/l/4h

Acetic Acid (64-19-7)	
LD50 oral rat	3310 mg/kg
LD50 dermal rabbit	1130 mg/kg
ATE US (oral)	3310.000 mg/kg body weight.
ATE US (dermal)	1130.000 mg/kg body weight.

Skin Corrosion/Irritation:	Not classified [pH: 8.2 (1% Solution)]	Causes severe skin burns and eye damage. pH: 2 at 30% acetic acid (calculated).
Serious Eye Damage/Irritation:	Not classified [pH: 8.2 (1% Solution)]	Causes serious eye damage. pH: 2 at 30% acetic acid (calculated).
Respiratory or Skin Sensitization:	Not classified	Not classified
Germ Cell Mutagenicity:	Not classified	Not classified
Teratogenicity:	Not classified	
Carcinogenicity:	Not classified	Not classified
Specific Target Organ Toxicity (Repeated Exposure):	Not classified	Not classified
Reproductive Toxicity:	Not classified	Not classified
Specific Target Organ Toxicity (Single Exposure):	Not classified	Not classified
Aspiration Hazard:	Not classified	Not classified
Symptoms/Injuries After Inhalation:	Prolonged inhalation of dust may cause respiratory irritation.	Irritating to the nose, throat, and respiratory tract.
Symptoms/Injuries After Skin Contact:	Skin contact with large amounts of dust may cause mechanical irritation.	Contact with material may irritate or burn skin.
Symptoms/Injuries After Eye Contact:	Contact may cause irritation due to mechanical abrasion.	Extremely irritating to the eyes - If not removed promptly, will injure eye tissue, which may result in permanent damage, including blindness.
Symptoms/Injuries After Ingestion:	Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.	Can irritate or burn mouth, throat, and stomach if swallowed.
Chronic Symptoms:	None expected under normal conditions of use.	

SECTION 12: ECOLOGICAL INFORMATION

Sodium Bicarbonate

Toxicity

Sodium Bicarbonate		Sodium bicarbonate (144-55-8)	
LC50 Fish 1	7100 mg/l Bluegill	LC50 Fish 1	8250 - 9000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	4100 mg/l		
LC 50 Fish 2	7700 mg/l Rainbow Trout	EC50 Daphnia 1	2350 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Vinegar (>100 - 300 grain

Acetic Acid (64-19-7)	
LC50 fish	88 mg/l
EC50 Daphnia	90.1 mg/l

Persistence and Degradability	Not established	Vinegar(>100 - 300 grain), concentrated (8028-52-2): Biodegrades readily under aerobic and anaerobic conditions.
Bioaccumulative Potential	Not established	Vinegar(>100 - 300 grain), concentrated (8028-52-2): This product is not expected to bioaccumulate.
Mobility in Soil	Not available	No additional information available.
Other Adverse Effects	Other Information: Avoid release to the environment.	Effect on the global warming: No known ecological damage caused by this product.

SECTION 13: DISPOSAL CONSIDERATIONS

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
Waste Disposal Recommendations:	Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.	Treat or dispose of waste material as a weak acid in accordance with all local, state/provincial, and national requirements.

SECTION 14: TRANSPORT INFORMATION

	Sodium Bicarbonate	Vinegar (>100 - 300 grain
In Accordance with DOT	Not regulated for transport	No additional information available.
In Accordance with IMDG	Not regulated for transport	No additional information available.
In Accordance with IATA	Not regulated for transport	No additional information available.
In Accordance with TDG	Not regulated for transport	No additional information available.

SECTION 15: REGULATORY INFORMATION

Sodium Bicarbonate

US Federal & International Regulations

Sodium Bicarbonate (144-55-8)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations Neither this product nor its chemical components appear on any US state lists.

Canadian Regulations

Sodium Bicarbonate (144-55-8)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 15: REGULATORY INFORMATION

Vinegar (>100 - 300 grain

US Federal regulations

Acetic Acid (64-19-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory. Not listed on the United States SARA Section 313.	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	5000 lb.

International regulations

CANADA

Vinegar(>100 - 300 grain), concentrated (8028-52-2)	
WHMIS Classification	Class E - Corrosive Material.

Acetic Acid (64-19-7)	
WHMIS Classification	Class B Division 2 - Flammable Liquid. Class E - Corrosive Material.

EU-Regulations — No additional information available.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] — Not classified.

National regulations

US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

Acetic Acid (64-19-7)
U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities.
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations.
U.S. - Massachusetts - Right To Know List.
U.S. - New Jersey - Right to Know Hazardous Substance List.
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances.
U.S. - Pennsylvania - RTK (Right to Know) List.
U.S. - Washington - Permissible Exposure Limits – TWAs.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Sodium Bicarbonate

Revision Date: 03/12/2015

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

Church & Dwight
500 Charles Ewing Blvd
Ewing Township, NJ 08628
T 1-800-524-1328

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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Vinegar (>100 - 300 grain

Revision Date: 06/01/2015

Data sources: ChemADVISOR, Inc. [https://www.chemadvisor.com]. GESTIS DNEL Database [http://dnel-en.itrust.de/nxt/gateway.dll/dnel_en/000000.xml?f=templates$fn=default.htm$vid=dneleng:ddbeng$3.0/].

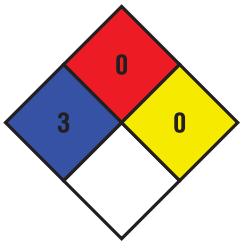
Full text of H-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4.
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3.
Flam. Liq. 3	Flammable liquids Category 3.
Skin Corr. 1A	Skin corrosion/irritation Category 1A.
H226	Flammable liquid and vapor.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H402	Harmful to aquatic life.

NFPA health hazard: 3 – Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard: 0 - Materials that will not burn.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health: 3 Major injury likely unless prompt action is taken and medical treatment is given.

Flammability: 0 Minimal Hazard.

Physical: 0 Minimal Hazard.

SDS US (GHS HazCom 2012)

Mizkan Americas, Inc. does not represent or warrant that any hazard listed herein is the only hazard which exists. Effects can be aggravated by the presence of other materials or this material may aggravate or add to the effects of other materials. This information represents a compilation of data drawn directly from various sources. As of the date of preparation of this document, the information is believed to be accurate to the best of our knowledge.

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For Additional Information contact SDS Coordinator during business hours, Pacific time: (425) 889-3400

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