

SAFETY DATA SHEET

Branch Basics DISHWASHER TABLETS

SDS Revision: 4.0



SDS Revision Date: 20Nov25

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1	Product Identifier:	Branch Basics DISHWASHER TABLETS
	Product Codes:	FM000001-00 V2
1.2	Relevant Identified Uses:	Cleaning tablets for automatic dishwashers
	Uses Advised Against:	No additional information
1.3	Supplier of Safety Data Sheet:	Branch Basics 1350 Lagoon Avenue, Suite 920, Minneapolis, MN 55408, USA 1-800-414-1210 infor@branchbasics.com
1.4	Emergency Telephone Number:	Branch Basics: 1-800-414-1210

SECTION 2: Hazards Identification

The mixture has been assessed for its physical, health and environmental hazards, and the following classification applies.

2.1	Classification of the Substance or Mixture:	Physical Hazards: Not Classified Health Hazards: Eye Irritation - Category 2A; Respiratory Sensitization - Category 1; Specific Target Organ Toxicity-Single Exposure (STOT-SE) - Category 3 Environmental Hazards: Aquatic Acute - Category 3	
2.2	Labeling Elements:	Hazard Signal Word: Danger Hazard Statements: H319: Causes serious eye irritation H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled H335: May cause respiratory irritation H402: Harmful to aquatic life Precautionary Statements: P261: Avoid breathing dust. P264+P265: Wash hands thoroughly after handling. Do not touch eyes. P280: Wear eye protection/face protection. P284: In case of inadequate ventilation, wear respiratory protection. P304+P340+P319: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell. P342+P316: If experiencing respiratory symptoms: Get emergency medical help immediately. P305+P351+P338+P337+P317: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical help. P273: Avoid release to the environment. P501: Dispose of contents and container in accordance with local, regional and national regulations.	Hazard Pictograms:  
2.3	Other Hazards:	No known other hazards which do not result in classification. Mixture does not meet the criteria for PBTs or vPvBs in accordance to Regulation (EC) No. 1907/2006, Annex XIII.	

SECTION 3: Composition / Information on Ingredients

3.2 Mixtures:

Chemical Name	CAS No.	EC No.	Hazard Classification	Hazard Statements	% by Weight
Sodium Carbonate	497-19-8	207-838-8	Eye Irritation, Category 2	H319: Causes serious eye irritation	25 - 50
Sodium Percarbonate	15630-89-4	239-707-6	Oxidizing Solids, Category 2 Acute Toxicity (Oral), Category 4 Eye Irritation, Category 1 Aquatic Acute, Category 2	H272: May intensify fire; oxidizer H302: Harmful if swallowed H318: Causes serious eye damage H401: Toxic to aquatic life	10 - 25
Citric Acid	77-92-9	201-069-1	Eye Irritation, Category 2A STOT-SE, Category 3	H319: Causes serious eye irritation H335: May cause respiratory irritation	10 - 25

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Sodium Metasilicate Pentahydrate (1)	10213-79-3	229-912-9	Metal Corrosion, Category 1 Skin Corrosion, Category 1B Eye Damage, Category 1 STOT-SE, Category 3	H290: May be corrosive to metals H314: Causes severe skin burns and eye damage H335: May cause respiratory irritation	1 - 5
Sodium Lauryl Sulfoacetate	1847-58-1	217-431-7	Eye Irritation, Category 1 Aquatic Acute, Category 2 Aquatic Chronic, Category 3	H318: Causes serious eye damage H401: Toxic to aquatic life H412: Harmful to aquatic life with long lasting effects	1 - 5
Protease Enzyme (Subtilisin)	9014-01-1	232-752-2	Skin Irritation, Category 2 Eye Irritation, Category 1 Respiratory Sensitizer, Category 1 STOT-SE, Category 3 Aquatic Acute, Category 1 Aquatic Chronic, Category 2	H315: Causes skin irritation H318: Causes serious eye damage H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled H335: May cause respiratory irritation H400: Very toxic to aquatic life H411: Toxic to aquatic life with long lasting effects	2.0% (0.3% active)
Alpha-Amylase Enzyme	9000-90-2	232-565-6	Respiratory Sensitizer, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled	2.0% (0.1% active)

(1) Sodium Metasilicate may be corrosive to metals when mixed with an aqueous solution.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as physical, health or the environmental hazards, are PBTs or vPvBs, or have been assigned an occupational exposure limit within US OSHA regulations or EU OEL Directives, and hence require reporting in this section.

SECTION 4: First Aid Measures

4.1	Description of First Aid Measures:	<u>Ingestion:</u> In case of ingestion, do not induce vomiting without medical advice. Give victim several glasses of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention. <u>Eyes:</u> In case of eye contact, flush with copious amounts of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention. <u>Skin:</u> If signs of irritation to the skin develop, wash the affected area with plenty of water and soap. Seek medical attention in the event of an adverse reaction or if symptoms persist. <u>Inhalation:</u> If respiratory distress or irritation occurs, remove victim to fresh air and keep comfortable for breathing. Seek immediate medical attention in the event of an adverse reaction, if symptoms persist, or if feeling unwell.
4.2	Most Important Symptoms and Effects, Both Acute and Delayed:	Direct eye contact with product may cause serious eye irritation. Symptoms may include stinging, tearing, and redness. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Inhalation of dust may cause mechanical or chemical respiratory irritation, coughing, and dry/sore throat.
4.3	Indication of Immediate Medical Attention and Special Treatment Needed:	Provide general supportive measures and treat symptomatically. No known specific antidotes.

SECTION 5: Firefighting Measures

5.1	Extinguishing Media:	<u>Suitable Extinguishing Media:</u> Water mist, dry chemical, foam, or carbon dioxide. <u>Unsuitable Extinguishing Media:</u> High volume water jet.
5.2	Special Hazards Arising from the Substance or Mixture:	May produce carbon oxides and sodium oxides on combustion.
5.3	Advice for Firefighters:	Wear self-contained breathing apparatus and full personal protective gear. Use standard firefighting procedures. In case of major fire or large quantities, fight fire from a distance.

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SECTION 6: Accidental Release Measures

6.1	Personal Precautions, Protective Equipment and Emergency Procedures:	Avoid contact with eyes. Avoid dust formation and breathing dust. Observe all personal protection equipment recommendations described in Section 8. Ensure adequate ventilation. Ventilate closed spaces before entering them. Keep unnecessary personnel away.
6.2	Environmental Precautions:	Dike or contain spill to prevent from entering drains. Avoid direct release to drains, surface and ground water.
6.3	Methods and Material for Containment and Cleaning Up:	Place all sweepings into suitable containers for disposal and move to a safe place. Wash small residues with plenty of water.
6.4	Reference to Other Sections:	For personnel protection, see Section 8. For safe handling and storage, see Section 7. For waste disposal, see Section 13.

SECTION 7: Handling and Storage

7.1	Precautions for Safe Handling:	Utilize safe handling and transportation techniques to avoid spillage or rupture of the product. Avoid dust formation. Ensure adequate ventilation. Wear appropriate personal protective equipment (see Section 8). Avoid breathing dust. Avoid contact with eyes. Do not eat, drink or smoke while handling. Wash hands thoroughly after handling. Observe good hygiene practices.
7.2	Conditions for Safe Storage, Including Any Incompatibilities:	Store in a cool, dry, and well-ventilated area away from direct sun-light. Store in original container and keep containers tightly closed. Protect from humidity/moisture. Store away from combustible and incompatible materials (see Section 10). Do not store near reducing agents.
7.3	Specific End Use(s):	No further relevant information available.

SECTION 8: Exposure Controls / Personal Protection

8.1	Control Parameters:	Occupational Exposure Limits					
		CHEMICAL NAME	CAS Number	OSHA PEL (TWA)	NIOSH REL (TWA)	ACGIH TLV	EU IOELV - BOELV
		Sodium Percarbonate	15630-89-4	15 mg/m ³ (total dust) 5 mg/m ³ (resp. fraction)	10 mg/m ³ (total dust) 5 mg/m ³ (resp. fraction)	TWA: 10 mg/m ³ (inhalable)	(1)
		Sodium Carbonate	497-19-8	15 mg/m ³ (total dust) 5 mg/m ³ (resp. fraction)	10 mg/m ³ (total dust) 5 mg/m ³ (resp. fraction)	TWA: 10 mg/m ³ (inhalable)	(1)
		Protease (Subtilisin)	1/1/9014	STEL: 0.00006 mg/m ³ (60-minute)	STEL: 0.00006 mg/m ³ (60-minute)	Ceiling 0.00006 mg/m ³ (as crystalline active enzyme)	(1)
		(1) Reference EU member state occupational exposure limits.					
	Recommended Monitoring Procedures:	Workplace atmospheric monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference monitoring standards, such as US NIOSH and OSHA Measurement Methods, European Standards EN 689 and EN 482. Reference national guidance documents for methods for the determination of hazardous substances.					
	Biological Limit Values:	This product does not contain substances with biological exposure limit values.					
	Derived No Effect Level (DNEL):	No information available					
	Predicted No Effect Concentrations (PNEC):	No information available					

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8.2	Exposure Controls:	
	Appropriate Engineering Controls:	Provide adequate ventilation to maintain airborne levels below recommended exposure limits.
	Eye/Face Protection:	Wear protective eyewear (e.g. face shield, goggles).
	Skin and Hand Protection:	Wear protective gloves.
	Respiratory Protection:	If inadequate ventilation, wear suitable respirator that meets current occupational health and safety standards. If airborne exposure limits are exceeded, wear suitable dust mask/respirator that meets current occupational health and safety standards.
	Thermal Hazards:	Refer to Section 5 for fire personal protective equipment.
	Hygiene Measures:	Do not eat, drink or smoke during product use or handling. Wash hands after handling. Observe good personal hygiene measures. Routinely wash work clothing and protective equipment.
	Environmental Exposure Controls:	Environmental manager must be informed of all major releases.

SECTION 9: Physical and Chemical Properties

9.1	Information on Basic Physical and Chemical Properties:	
	Appearance:	Smooth, white tablet
	Odor:	Neutral
	Odor Threshold:	No data available on this product
	pH:	9.5 - 10.5 (50% dilution in water)
	Melting Point:	No data available on this product
	Freezing Point:	No data available on this product
	Initial Boiling Point/Boiling Range:	No data available on this product
	Flashpoint:	No data available on this product
	Evaporation Rate:	No data available on this product
	Flammability (solid, gas):	No data available on this product
	Upper/Lower Flammability or Explosive Limits:	No data available on this product
	Vapor Pressure:	No data available on this product
	Vapor Density:	No data available on this product
	Relative Density:	No data available on this product
	Solubility (in water):	No data available on this product
	Partition Coefficient (n-octanol/water):	No data available on this product
	Autoignition Temperature:	No data available on this product
	Decomposition Temperature:	> 75°C (167°F)
	Viscosity:	No data available on this product
	Explosive Properties:	No data available on this product
	Oxidizing Properties:	Does not intensify fires. UN/DOT Test O.1 – Oxidizing Substances Test (Division 5.1)
9.2	Other Information:	No relevant additional information available on this product.

SECTION 10: Stability and Reactivity

10.1	Reactivity:	The product is not reactive under normal conditions of storage, handling and transport (see Section 7).
10.2	Chemical Stability:	The product is stable under normal handling and storage conditions.
10.3	Possibility of Hazardous Reactions:	Build up of dangerous/toxic fumes possible in cases of fire/high temperature.
10.4	Conditions to Avoid:	Avoid heat, sparks, open flame, and other ignition sources, direct sunlight, and moisture.
10.5	Incompatible Materials:	Strong acids, bases, and reducing agents; metals.

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10.6	Hazardous Decomposition Products:	Oxides of carbon and sodium.
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SECTION 11: Toxicological Information

11.1	Information on Toxicological Effects: No data available on the product. Health effects of the product are derived from ingredient literature review and concentrations present. If available, relevant toxicological properties of the components that contribute to classification of the mixture in Section 3 are provided. Evaluations for the mixture may be based on additional information not shown.	
	Potential Acute Health Effects and Symptoms:	Eye Exposure: Direct eye contact with product may cause serious eye irritation. Symptoms may include stinging, tearing, and redness. Skin Exposure: No adverse effects expected from normal use. Ingestion: May cause gastrointestinal discomfort if swallowed. Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Inhalation of dust may cause mechanical or chemical respiratory irritation, coughing, and dry/sore throat.
	Potential Chronic Health Effects:	Chronic effects are unknown.
	Acute Toxicity:	Based on available data, classification criteria are not met.
	Skin Corrosion/Irritation:	Product Summary/Conclusion: Based on available data, classification criteria are not met. Sodium Carbonate: CAS 497-19-8 Acute Dermal Irritation, OECD 404, Rabbit: Not irritating Sodium Percarbonate: CAS 15630-89-4 US-EPA Health Effects Test Guidance, pp. 41-48, Rabbit: Not irritating
	Serious Eye Damage/Irritation:	Product Summary/Conclusion: Causes serious eye irritation. Sodium Carbonate: CAS 497-19-8 Acute Eye Irritation, Draize, Rabbit: Highly irritating Sodium Percarbonate: CAS 15630-89-4 Acute Eye Irritation, EPA OPP, 81-4, Rabbit: Highly irritating Specific concentration limits: > 25% (eye damage); ≥ 7.5 - < 25% (eye irritation) Sodium Lauryl Sulfoacetate: CAS 1847-58-1 Draize Eye Irritation, Rabbit, 3%, Slight irritation
	Respiratory or Skin Sensitization:	Product Summary/Conclusion: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Sodium Percarbonate: CAS 15630-89-4 US-EPA Health Effects Test Guidance, pp. 33-39, Rabbit: Not sensitizing
	Germ Cell Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. No components at levels greater than or equal to 0.1% are listed as a mutagen in EU Regulation (EC) No. 1272/2008 [CLP].
	Carcinogenicity:	No components at levels greater than or equal to 0.1% are listed as a human carcinogen in EU Regulation (EC) No. 1272/2008 [CLP], IARC, US-OSHA, or NTP.
	Reproductive Toxicity:	No data available to indicate product or any components present at greater than 0.1% cause reproductive or developmental effects. No components at levels greater than or equal to 0.1% are listed as a reproductive toxin in EU Regulation (EC) No. 1272/2008 [CLP].
	STOT-Single Exposure:	May cause respiratory irritation.
	STOT-Repeated Exposure:	Not classified due to lack of data.
	Aspiration Hazard:	Not classified due to lack of data.
	Other Information:	No other relevant information available.

SECTION 12: Ecological Information

12.1	Toxicity:	Product Summary/Conclusion: Harmful to aquatic life. Sodium Percarbonate: CAS 15630-89-4 Aquatic Invertebrates EC50: 4.9 mg/L, 48 hours (Daphnia pulex) Fish LC50: 70.7 mg/L, 96 hours (Pimephales promelas)
12.2	Persistence and Degradability:	Not applicable

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12.3	Bioaccumulative Potential:	
	Partition Coefficient: n-octanol/water	Not available
	Bioconcentration Factor (BCF):	Not available
12.4	Mobility in Soil:	No data available
12.5	Results of PBT and vPvB Assessment:	Not available
12.6	Other Adverse Effects:	No other known adverse environmental effects or critical hazards.

SECTION 13: Disposal Considerations

13.1	Waste Treatment Methods:	
	Waste Disposal:	Dispose of waste material and containers in accordance with appropriate local, regional, and national regulations. Do not dispose through sewage. Packagings should be completely emptied and taken to an approved waste handling site for recycling or disposal. Packagings which could not be cleansed should be disposed of as product waste.
	Special Precautions:	No relevant additional information available.

SECTION 14: Transport Information

14.1	UN Number:	Not regulated
14.2	UN Proper Shipping Name:	Not regulated
14.3	Transport Hazard Classes:	Not classified as a dangerous good under transport regulations. UN/DOT Test O.1 – Oxidizing Substances Test (Division 5.1): Division 5.1 is not assignable to the test substance, Branch Basics Dishwasher Tablets , as it did not ignite and burn, or exhibit a mean burning time less than the mean burning time of a mixture in a 3 to 7 ratio, by weight, of potassium bromate and cellulose.
14.4	Packing Group:	None
14.5	Environmental Hazards:	Not applicable/Exempt
14.6	Special Precautions for User:	Transport within user's premises: Transport in closed containers that are upright and secure. Read SDS before handling.
14.7	Transport in Bulk According to Annex II of Marpol and the IBC Code:	Not applicable

SECTION 15: Regulatory Information

15.1	Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:	
	EU Regulation (EC) No. 1907/2006 REACH Article 59(10) and Annexes XIV and XVII, as amended : No components in this product are listed.	
	EU Directive 2012/18/EU on major accident hazards involving dangerous substances: Sodium Percarbonate (CAS 15630-89-4); Sodium Metasilicate (CAS 6834-92-0)	
	EU Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended: No components in this product are listed.	
	EU Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I, as amended: No components in this product are listed.	
	EU Regulation (EC) No. 649/2012 concerning export/import of dangerous chemicals, Annex I (parts 1 - 3) & Annex V, as amended: No components in this product are listed.	
	EU Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry: No components in this product are listed.	
	National Regulations of EU Member States: Follow national regulations for work with chemical agents.	
	German Water Hazard Class (WGK) for Mixture: WGK 1	
	US SARA 302 TPQ: No components in this product are listed at levels that require reporting.	
	US SARA 304 RQ: No components in this product are listed at levels that require reporting.	
	US SARA 311/312: Not applicable - product is exempt.	
	US SARA 313: No components in this product are listed at levels that require reporting.	

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	US CERCLA RQ: RCRA D001/Unlisted Ignitable Hazardous Waste: Sodium Percarbonate = 100 lbs	
	US Clean Air Act (CAA) Section 112(r) TQ: No components in this product are listed at levels that require reporting.	
	US Clean Water Act (CWA): No components in this product are listed.	
	US State Regulations: Follow state regulations for work with chemical agents.	
15.2	Chemical Safety Assessment:	No Chemical Safety Assessment has been carried out.

SECTION 16: Other Information

Legend to Abbreviations:	ACGIH: American Conference of Governmental Industrial Hygienists
	BOELV: Binding Occupational Exposure Limit Values
	CAS: Chemical Abstracts Service
	CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
	CLP: Classification, Labelling and Packaging of Substances and Mixtures
	EC: European Commission
	EC50: Effective Concentration, 50%
	EPA: Environmental Protection Agency
	EU: European Union
	IARC: International Agency for the Research of Cancer
	IBC: Intermediate Bulk Container
	IDHL: Immediately Dangerous to Life or Health Concentrations
	IOELV: Indicative Occupational Exposure Limit Values
	LC50: Lethal Concentration, 50%
	LD50: Lethal Dose, 50%
	NIOSH: National Institute for Occupational Safety and Health
	NTP: National Toxicology Program
	OECD: Organisation for Economic Co-operation and Development
	OEL: Occupational Exposure Limit
	OPP: Office of Pesticide Programs
	PBT: Persistent, Bioaccumulative, and Toxic
	vPvB: very Persistent and very Bioaccumulative
	PEL: Permissible Exposure Limit
	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
	RCRA: Resource Conservation and Recovery Act
	REL: Recommended Exposure Limit
	RQ: Reportable Quantity
	SARA: Superfund Amendments and Reauthorization Act
	SDS: Safety Data Sheet
	STEL: Short Term Exposure Limit
	STOT: Specific Target Organ Toxicity
	TLV: Threshold Limit Value
	TPQ: Threshold Planning Quantity
	TQ: Threshold Quantity
	TWA: Time Weighted Average
	UN: United Nations
	US: United States
	US-OSHA: United States Occupational Safety & Health Administration

Evaluation Methods Used for Classification of the Mixture: Calculation method and expert judgement.

Training Advice:	It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product.
Disclaimer:	This Safety Data Sheet is intended to provide a brief summary of our knowledge and guidance regarding the use of this product. The information set forth herein has been compiled from sources considered to be reliable and is believed to be accurate as of the date of publication. This information is offered in good faith by Branch Basics and the accuracy, suitability or completeness is not guaranteed, and no warranties of any type, either expressed or implied, are provided. If this product is combined with other materials, all component properties must be considered. The user assumes all liability for any damage or from any hazards inherent in the nature of the product.

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Last Revision Date:	11Sep25
Revision Information:	Update sections 1, 2, 3, 8, 9, and 11.