

SAFETY DATA SHEET (SDS) according to Regulation (EC) No. 830/2015 amending 1907/2006

1.1	on 1: Identification of the substance/mixture and of the Product identifier:	
		ABTS 1-Component HRP Microwell Substrate
1.1a	Other means of identification:	
1.1b	Alternative product name(s)/ synonyms:	SUBA, SUB4
1.1c	Product number/Catalog #(s):	3327, 6278
1.1d	Internal identification:	SUBA, SUB4
1.2	Relevant identified uses of the substance or	For research use only. Not for use in diagnostic procedures.
	mixture and uses advised against:	
1.2a	Brief description of what the substance or mixture is	For laboratory use.
	intended to do:	
1.3	Details of the supplier of the SDS:	
1.3a	Name:	ImmunoChemistry Technologies, LLC (ICT)
1.3b	Address:	9401 James Avenue South, Suite 155
1.3c	City, State, Zip, Country	Bloomington, MN 55431-2500 USA
1.3d	Phone number:	1-800-829-3194 and 952-888-8788
1.3e	Fax number:	952-888-8988
1.3f	Website:	www.immunochemistry.com
1.3g	Email:	help@immunochemistry.com
1.3h	Contact person at ICT:	Quality Documentation Department
1.4	Emergency telephone number:	ICT: 1-800-829-3194 (USA & Canada) or 952-888-8788 world wide;
	5 , , , , , , , , , , , , , , , , , , ,	ICT hours are 9 am-5 pm central time USA, Monday through Friday
		(excluding holidays). Chemtrec 24-hour access within USA and
		Canada: 1-800-424-9300 or +1 703-527-3887. Collect calls accepted.
Section	on 2: Hazards identification	
2.1	Classification of the substance or mixture:	
2.1a	Product is a:	Mixture.
2.1b	Classification according to (EC) No. 1272/2008	Not classified.
	{CLP}:	
2.1c	The most important adverse physiochemical, human	Refer to Sections 9-12.
	health, and environmental effects:	
2.2	Label elements:	
2.2a	GHS label elements, including precautionary	
	statements:	
2.2b	Contains:	
2.2c	Labeling in accordance with (EC) No. 1272/2008:	
2.2d	Hazard Pictograms (Hazard Symbols):	None.
2.2e	Signal word:	None.
2.2f	Hazard statements:	None.
2.2g	Precautionary statements:	None.
2.2h	Supplementary precaution statements:	None.
2.3	Other hazards:	No additional information available.
2.3a	Does the chemical meet the criteria for PBT or vPvB?	Not applicable.
2.3b	Other hazards which do not result in classification:	None under normal conditions.
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Section	on 3: Composition/information on ingredients	
3.1	Substance:	Item is a mixture therefore Section 3.1 is not applicable; see Section
J		3.2.
3.2	Mixture:	Item is a mixture. Contains no hazardous ingredients at levels
	The chemical identity and concentration or	requiring disclosure by the OSHA Hazard Communication Standard
	concentration ranges of all ingredients which are	(29 CFR 1910.1200).
	hazardous and are present above their cut-off levels:	(
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Section	on 4: First aid measures	
4.1	Description of first aid measures:	If exposed or concerned, get medical attention/advice. Show this
		safety data sheet to the doctor in attendance. Wash contaminated
		clothing before reuse. Never give anything by mouth to an
		unconscious person.
4.1a	Inhalation:	Remove to fresh air and keep at rest in a position comfortable for
т . та	minalation.	
		hreathing It respiratory symptoms persist obtain medical attention
4.1b	Skin contact:	breathing. If respiratory symptoms persist, obtain medical attention. Remove affected clothing and wash all exposed skin with water for at

ABTS 1-Component HRP Microwell Substrate SDS; Doc# F17-3327-2-C; Effective: 04/02/19; Supersedes: F17-3327-2-B; Page 2 of 6 Eye contact: Immediately flush with plenty of water for at least 15 minutes. Obtain 4.1c medical attention if pain, blinking or redness persist. Ingestion: Do not induce vomiting. Get medical advice/attention if you feel unwell. 4.1d Not expected to present a significant hazard under anticipated 4.2 Most important symptoms and effects, both acute and delayed: conditions of normal use. No data available on chronic symptoms. May cause respiratory irritation. 4.2a Inhalation: Skin contact: May cause skin irritation. 4.2b Eye contact: May cause slight temporary irritation. 4.2c Ingestion: May cause gastrointestinal irritation. 4.2d 4.3 Indication of any immediate medical attention and No additional information available. special treatment needed: Notes to physician/first responder: Treat symptomatically. 4.3a **Section 5: Firefighting measures Extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials. 5.1 5.1a Suitable extinguishing media: Foam. Carbon dioxide. Dry powder. Water spray. Sand. 5.1b Unsuitable extinguishing media: Not known. 5.2 Special hazards arising from the substance or This product is not flammable. Product is not explosive. No dangerous mixture: reactions known under normal conditions of use. 5.2a Hazardous combustion products: Toxic gases and vapors may be released if involved in a fire. 5.2b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. Do not enter fire area without proper protective equipment, including 5.2c Protective measures in fire: respiratory protection. Wear self-contained breathing apparatus and protective suit (see Section 8). Advice for firefighters: Keep away from heat, hot surfaces, sparks, open flames and other 5.3 ignition sources. No smoking. 5.3a Special firefighting procedures: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. 5.3b Special protective equipment and precautions for Do not enter fire area without proper protective equipment, including firefighters: respiratory protection. Wear self-contained breathing appartus and protective suit (see Section 8). Section 6: Accidental release measures Personal precautions, protective equipment, and emergency procedures: General release measures: No specific emergency measures are required other than good 6.1a laboratory hygiene and safety practices. 6.1b Advice for non-emergency personnel; personal Wear protective equipment as described in Section 8. Evacuate precautions, protective equipment and emergency unnecessary personnel. procedures: 6.1c Advice for emergency responders; personal Wear suitable protective clothing, gloves and eye or face protection. precautions, protective equipment and emergency Approved supplied-air respirator, in case of emergency. procedures: 6.2 **Environmental precautions:** Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment. Methods and materials for containment and 6.3 Contain any spills with dikes or absorbents to prevent migration and clean up: entry into sewers or streams. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). 6.4 Reference to other sections: Refer to Sections 8 and 13 for additional information. Section 7: Handling and storage 7.1 Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition. 7.1a Prevent handling of incompatible substances or Not known. mixtures: 7.1b Advice on general occupational hygiene: No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. 7.2 Keep the container tightly closed. Store in a dry, cool and well-Conditions for safe storage, including any incompatibilities: ventilated place. Store away from light. Avoid elevated temperatures. Storage temperature: 2-8°C. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. Section 8: Exposure controls/personal protection 8.1 **Control parameters:** Occupational exposure limits, such as chemical 8.1a No data available. identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure

AB1		7-3327-2-C; Effective: 04/02/19; Supersedes: F17-3327-2-B; Page 3 of 6				
	limit), etc.: WEL = Workplace Exposure Limit. Sk =					
	can be absorbed through skin.					
8.1b	Appropriate engineering controls:	Ensure adequate ventilation, especially in confined areas.				
8.1c	Individual protection measures, such as personal protective equipment:	Wear gloves. Wear protective goggles. Wear labcoat with full coverage clothing.				
8.1d	Safety symbols:					
8.2	Exposure controls:					
8.2a	Process conditions:	Provide eyewash station.				
8.2b	Engineering controls:	Local exhaust ventilation is recommended for providing adequate				
		ventilation. Ensure that eyewash stations and safety showers are				
0.20	Ventilation controls:	proximal to the workstation location.				
8.2c 8.2d	Reference to other sections:	Provide adequate ventilation. Refer to Section 5 for additional information.				
8.2e	Eye/face protection:	Chemical goggles or safety glasses.				
8.2f	Skin protection:	Wear suitable protective clothing. Wear long sleeves.				
8.2g	Hand protection:	Use gloves chemically resistant to this material when prolonged or				
0.29	Tiana protection.	repeated contact could occur. Gloves should be classified under				
		Standard EN 374 or ASTM F1296. Suggested glove materials are:				
		Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol				
		laminate, PVC or vinyl.				
8.2h	Respiratory equipment:	Where excessive vapor, mist, or dust may result, use NIOSH approved				
	, and , a fair	respiratory protection equipment.				
8.2i	Other protection:	Wear appropriate clothing to prevent any possibility of skin contact.				
8.2j	Hygiene measures:	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift				
		and before eating, smoking, and using the toilet. Promptly remove any				
		clothing that becomes contaminated. Use appropriate skin cream to				
		prevent drying of skin. When using do not eat, drink, or smoke. Wash				
		promptly with soap and water if skin becomes contaminated.				
8.2k	Thermal hazards:	None known.				
8.21	Environmental exposure controls:	Not determined.				
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	9: Physical and chemical properties					
Section 9.1	Information on basic physical and chemical					
9.1	Information on basic physical and chemical properties:	. Clear light green liquid				
9.1 9.1a	Information on basic physical and chemical properties: Appearance (physical state, color, etc.):	Clear, light green, liquid				
9.1a 9.1b	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor:	No specific data.				
9.1a 9.1b 9.1c	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold:	No specific data. No data available.				
9.1a 9.1b 9.1c 9.1d	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH:	No specific data. No data available. 3.8-4.2				
9.1a 9.1b 9.1c 9.1d 9.1e	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C):	No specific data. No data available.				
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9.1a 9.1b 9.1c 9.1d 9.1e	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range:	No specific data. No data available. 3.8-4.2 No data available. No data available.				
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas):	No specific data. No data available. 3.8-4.2 No data available. No data available. No data available.				
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9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1j 9.1k	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure:	No specific data. No data available. 3.8-4.2 No data available. Product is not explosive. No data available.				
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9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1j 9.1k 9.1l	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density:	No specific data. No data available. 3.8-4.2 No data available. Not flammable. Product is not explosive. No data available. No data available. 1.01 (H ₂ O = 1.0)				
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1j 9.1k 9.1l 9.1n	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies):	No specific data. No data available. 3.8-4.2 No data available. Product is not explosive. No data available. No data available. 1.01 (H ₂ O = 1.0) Water: 100%				
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1j 9.1k 9.1l 9.1n 9.1n	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water):	No specific data. No data available. 3.8-4.2 No data available. No data available. No data available. No data available. No tlammable. Product is not explosive. No data available. No data available. 1.01 (H ₂ O = 1.0) Water: 100% No data available.				
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9.1 9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1j 9.1h 9.1i 9.1j 9.1h 9.1n 9.1n 9.1n 9.1o 9.1p 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Uscosity: Explosive properties: Oxidizing properties: Oxidizing properties: Other information: Other physical or chemical parameters: 10: Stability and reactivity Reactivity: Chemical stability:	No specific data. No data available. 3.8-4.2 No data available. No data available. No data available. No data available. Not flammable. Product is not explosive. No data available. No data available. 1.01 (H ₂ O = 1.0) Water: 100% No data available. No data available.				
9.1 9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1j 9.1h 9.1n 9.1n 9.1n 9.1o 9.1p 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Uscosity: Explosive properties: Oxidizing properties: Oxidizing properties: Other information: Other physical or chemical parameters: 10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions:	No specific data. No data available. 3.8-4.2 No data available. No data available. No data available. No data available. Not flammable. Product is not explosive. No data available. No data available. No data available. 1.01 (H ₂ O = 1.0) Water: 100% No data available. No dangerous reactions known under normal conditions of use. Stable under recommended handling and storage conditions (see Section 7). None known.				
9.1 9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1j 9.1h 9.1n 9.1n 9.1n 9.1o 9.1p 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2 10.3 10.4	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Uiscosity: Explosive properties: Oxidizing properties: Oxidizing properties: Other information: Other physical or chemical parameters: 10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid:	No specific data. No data available. 3.8-4.2 No data available. Product is not explosive. No data available. No tan oxidizer. No additional information available. No additional information available. No dangerous reactions known under normal conditions of use. Stable under recommended handling and storage conditions (see Section 7). None known. Light. Elevated temperatures. Moisture.				
9.1 9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1j 9.1h 9.1n 9.1n 9.1n 9.1o 9.1p 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Uscosity: Explosive properties: Oxidizing properties: Oxidizing properties: Other information: Other physical or chemical parameters: 10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions:	No specific data. No data available. 3.8-4.2 No data available. No data available. No data available. No data available. Not flammable. Product is not explosive. No data available. No data available. No data available. 1.01 (H ₂ O = 1.0) Water: 100% No data available. No dangerous reactions known under normal conditions of use. Stable under recommended handling and storage conditions (see Section 7). None known.				

ABTS 1-Component HRP Microwell Substrate SDS; Doc# F17-3327-2-C; Effective: 04/02/19; Supersedes: F17-3327-2-B; Page 4 of 6

Section 11: Toxicological information						
11.1	Information on toxicological effects:	ADTO 4 O CHIPD ME HOLL CO				
11.1a	Name:	ABTS 1-Component HRP Microwell Substrate				
11.1b	Acute toxicity:	Not classified.				
11.1c	Skin corrosion/irritation:	Not classified. pH: 3.8-4.2				
11.1d	Serious eye damage/irritation:	Not classified. pH: 3.8-4.2				
11.1e	Respiratory or skin sensitization:	Not classified.				
11.1f	Germ cell mutagenicity:	Not classified.				
11.1g	Carcinogenicity:	Not classified.				
11.1h	Reproductive toxicity:	Not classified.				
11.1i	STOT-single exposure:	Not classified.				
11.1j	STOT-repeated exposure:	Not classified.				
11.1k	Aspiration hazard:	Not classified.				
11.11	Information on the likely routes of exposure	Not classified.				
11.11		•				
44.4	(inhalation, ingestion, skin and eye contact):					
11.1m	Ingestion:	May cause gastrointestinal irritation.				
11.1n	Inhalation:	May cause respiratory irritation.				
11.10	Skin contact:	May cause skin irritation.				
11.1p	Eye contact:	May cause slight temporary irritation.				
11.1q	Symptoms related to the physical, chemical and	No specific symptoms noted.				
	toxicological characteristics:					
11.1r	Delayed and immediate effects as well as chronic	Not determined.				
	effects from short and long term exposure:					
11.1s	Numerical measures of toxicity (such as acute	Not determined.				
11.13	toxicity estimates):	THO COLOTHINOU.				
11.1t	Interactive effects:	Not determined.				
11.1u	Absence of specific data:	Not applicable.				
11.1v	Mixtures:	See Section 3 for any substances in the mixture				
11.1w	Mixture vs. substance information:	See Section 3 for any substances in the mixture				
11.1x	Classification by National Toxicity Program (NTP):	Not classified.				
11.1y	Classification by International Agency for Research	Not classified.				
	on Cancer (IARC):					
11.1z	Classification by OSHA 13:	Not classified.				
11.1ab	Other information:	None.				
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Section	12: Ecological information					
	12: Ecological information					
12.1	Toxicity:	. ARTS 1-Component HRP Microwell Substrate				
12.1 12.1a	Toxicity: Name:	. ABTS 1-Component HRP Microwell Substrate.				
12.1 12.1a 12.1b	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available):	No information available.				
12.1 12.1a 12.1b 12.2	Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability:	No information available. No information available.				
12.1 12.1a 12.1b 12.2 12.3	Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential:	No information available. No information available. No information available.				
12.1 12.1a 12.1b 12.2 12.3 12.4	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil:	No information available. No information available. No information available. No information available.				
12.1 12.1a 12.1b 12.2 12.3 12.4 12.5	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment:	No information available.				
12.1 12.1a 12.1b 12.2 12.3 12.4	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil:	No information available. No information available. No information available. No information available.				
12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects:	No information available.				
12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects:	No information available. No data available.				
12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects:	No information available.				
12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects:	No information available. No data available. When handling waste, consideration should be made to the safety				
12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6 Section	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods:	No information available. No data available. When handling waste, consideration should be made to the safety precautions applying to handling of the product.				
12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on	No information available. No data available. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Obtain the consent of pollution control authorities before discharging to				
12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6 Section	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal,	No information available. No data available. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Observe all federal, state and local laws				
12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6 Section	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated	No information available. No data available. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Observe all federal, state and local laws when considering most appropriate disposal method. Contact a				
12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6 Section	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal,	No information available. No data available. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Observe all federal, state and local laws when considering most appropriate disposal method. Contact a licensed professional waste disposal service to dispose of this				
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12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6 Section 13.1 13.1a Section 14.1 14.2 14.3 14.4	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: 14: Transport information UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and	No information available. No data available. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Observe all federal, state and local laws when considering most appropriate disposal method. Contact a licensed professional waste disposal service to dispose of this material. Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment. Not applicable. Not applicable. Not applicable. Not applicable.				
12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6 Section 13.1 13.1a Section 14.1 14.2 14.3 14.4 14.5	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: 14: Transport information UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?:	No information available. No data available. No data available. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Observe all federal, state and local laws when considering most appropriate disposal method. Contact a licensed professional waste disposal service to dispose of this material. Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment. Not applicable.				
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12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6 Section 13.1 13.1a Section 14.1 14.2 14.3 14.4 14.5 14.5a	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: 14: Transport information UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?:	No information available. No data available. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Observe all federal, state and local laws when considering most appropriate disposal method. Contact a licensed professional waste disposal service to dispose of this material. Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. No.				
12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6 Section 13.1 13.1a Section 14.1 14.2 14.3 14.4 14.5 14.5a	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: 14: Transport information UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?: Special precautions for user:	No information available. No data available. No data available. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Observe all federal, state and local laws when considering most appropriate disposal method. Contact a licensed professional waste disposal service to dispose of this material. Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment. Not applicable. Not applicable. Not hazardous for transport. Not. No. No.				
12.1 12.1a 12.1b 12.2 12.3 12.4 12.5 12.6 Section 13.1 13.1a Section 14.1 14.2 14.3 14.4 14.5 14.5a	Toxicity: Name: Ecotoxicity (aquatic and terrestrial, where available): Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: 14: Transport information UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?:	No information available. No data available. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Observe all federal, state and local laws when considering most appropriate disposal method. Contact a licensed professional waste disposal service to dispose of this material. Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment. Not applicable. Not applicable. Not hazardous for transport. Not applicable. No.				

ABTS 1-Component HRP Microwell Substrate SDS; Doc# F17-3327-2-C; Effective: 04/02/19; Supersedes: F17-3327-2-B; Page 5 of 6

14.7a	S 1-Component HRP Microwell Substrate SDS; Doc# F17- Other information:	None.			
14.7b	Classification for other modes of transport:	Not classified.			
11.70	Classification for other modes of transport.	Trot diagonica.			
Section 15: Regulatory information					
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture:				
15.1a	Regional safety, health and environmental regulations specific for the product in question:	All chemical substances in this product are listed in the EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) Inventory. Canada: No additional information available.			
15.1b	USA SARA Components (such as 302/311/313):	This product is not listed in the SARA (Superfund Amendments and Reauthorization Act).			
15.1c	USA Massachusetts Right to Know:	No components are subject to the Massachusetts Right to Know Act.			
15.1d	USA Pennsylvania Right to Know:	No components are subject to the USA Pennsylvania Right to Know list.			
15.1e	USA New Jersey Right to Know:	No components are subject to the USA New Jersey Right to Know list.			
15.1f	USA California Prop. 65 Components:	This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.			
15.1g	EU Regulation 1907/2006 {REACH}:	The product nor any components are identified.			
15.1h	Annex XIV substances subject to authorization:	The product nor any components are identified.			
15.1i 15.1j	Substances of very high concern: Approved code of practice:	The product nor any components are identified. Classification and labeling of substances and preparations dangerous			
15.1j	Guidance notes:	for supply. Safety data sheets for substances and preparations.			
15.1k 15.1l	EU legislation references:	Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of			
		substances and mixtures {CLP Regulation}. EC 453/2010. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.			
15.2	Chemical safety assessment:	Not required.			
15.2a	Other regulatory information:	None.			
-	16: Other information	None.			
16.1	Other information:				
16.1a	Date of revision:	04/02/19			
16.1b	SDS number and revision:	F17-3327-2-C			
16.1c	Supersedes SDS number and revision:	F17-3327-2-B			
16.1d	Changes made to the previous version of the SDS:	Reviewed and updated document control numbers.			
16.1e	Key/legend to abbreviations and acronyms used in the SDS:	ADN European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway. ADR The European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS Chemical Abstracts Service. CLP Classification, Labelling and Packaging. EC European Commission. EC50 Half maximal effective concentration. EH40 Resource containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations. EINECS European Inventory of Existing Commercial chemical Substances. ELINCS European List of Notified Chemical Substances. EU European Union. GHS Globally Harmonized System of Classification and Labelling of Chemicals. H Statement GHS Hazard statement. IATA International Air Transport Association. IBC Intermediate Bulk Container. IC50 Half maximal inhibitory concentration. IMDG International Maritime Dangerous Goods. LC50 Median lethal concentration. LD50 Median lethal dose. LogPow logarithm of the octanol/water partition coefficient. MARPOL 73/78 International Convention for the Prevention of Pollution From Ships, 1973 as modified by theProtocol of 1978. OEL Occupational Exposure Limit.			

AB	TS 1-Com	ponent HRP Microwell Substrate SDS; Doc# F17	-3327-2-C; Effective: 04/02/19; Supersedes: F17-3327-2-B; Page 6 of 6	
			PBT Persistent, Bioaccumulative, and Toxic. RID The Regulations concerning the International Carriage of Dangerous Goods by Rail. SARA Superfund Amendments and Reauthorization Act. SCBA Self-Contained Breathing Apparatus. SDS Safety Data Sheet. STOT Specific Target Organ Toxicity. STOT-RE Specific Target Organ Toxicity - Repeated Exposure. STOT-SE Specific Target Organ Toxicity - Single Exposure. UN United Nations. USA United States of America.	
16.1f		t of hazard statements and/or precautionary	vPvB very Persistent very Bioaccumulative. All statements were written out in full.	
DISCLAIMER:		This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.		
END OF SDS				