Safety Data Sheet

Abalonase+ Buffer

Section 1. Identification

Product Identifier	Abalonase+ Buffer
Synonyms	N/A
Manufacturer Stock Numbers	N/A
Recommended use	N/A
Uses advised against	N/A

Manufacturer Contact

Address

UCT LLC
2731 Bartram Road
Bristol, PA, 19007
US

Phone	Emergency Phone	Fax
(215) 781-9255 0	(800) 424-9300 Chemtrec CHEMTREC	N/A

Email	Website
manastasio@unitedchem.com	www.unitedchem.com

Section 2. Hazards Identification

Classification	N/A
Signal Word	Warning
Pictogram	
Hazard Statements	Causes eye irritation May be harmful if inhaled May be harmful if swallowed May be harmful in contact with skin
Precautionary Statements	

Response	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Prevention	IF SWALLOWED: Call a poison center or doctor if you feel unwell Wash thoroughly after handling.
Storage	N/A
Disposal	N/A
General	If medical advice is needed, have product container or label at hand Read label before use

Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	
Medical Conditions Aggravated	Perclude from exposure those individuals having a history of respiratory illness or pre-exisiting eye or skin conditions.
Additional Information	May cause irritation

Section 3. Ingredients

CAS	Ingredient Name	Weight %
77-92-9	Citric Acid	5% - Max
127-09-3	Sodium Acetate	5% - Max
	Water	90% - Min

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area
Eye	Flush eyes with water for 15 minutes. Get medical attention if irritation persists.
Skin	Scrub with soap and water. Remove contaminated clothing and shoes.
Ingestion	Get medical attention
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Comments	If symptoms persist, get medical attention. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	water spray, CO2, foam, dry chemical As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unsuitable Extinguishing Media	N/A

Section 6. Accidental Release Measures

General Procedure	Absorb spill material with suitable chemical binder. Shovel absorbent into suitable waste container. Do not wash into sewer or soil, groundwater or surface water.
Special Protective Equipment	Wear appropriate personal protective equipment as specified in section 8.

Section 7. Handling and Storage

Storage.	Store in a cool and dry place. Store in a tightly sealed container. Protect from heat, direct sunlight and source of ignition. Store away from acidic, alkaline and oxidizing materials. Provide adequate ventilation.
Additional Information	Recommended Storage Temperature: 4C to 8C

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Citric Acid	N/A	N/A	N/A
Sodium Acetate	N/A	N/A	N/A
Water	N/A	N/A	N/A

Personal Protective Equipment	Goggles, Gloves
Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Eyes and Face	Use safety glasses with side shields
Skin	Use impervious gloves. Use impervious clothing as necessary to protect against skin contact
Respiratory	Maintain adequate ventilation. Mechanical ventilation recommended. In case of exposure, use appropriate NIOSH approved respiratory protection.
Work Hygenic Practices	General industrial hygiene practice
Comments	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment, in accordance with the OSHA PPE Standard (29 CFR 1910.132), be conducted before using this product.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Clear
Odor	N/A
Odor Threshold	N/A
Solubility	N/A
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N/A
FP Method	N/A
Ph	N/A
Melting Point	N/A
Boiling Point	N/A
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	N/A

Section 10. Stability and Reactivity

Stability	(Under Normal Conditions) Stable under ordinary conditions of use and storage
Incompatible Materials	Oxidizing materials
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions. Nature of products is unknown.

Section 11. Toxicological Information

Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP. OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.
Comments	To the best of our knowledge, the toxicological properties have not been thoroughly investigated. Although we are unaware of any health or environmental risks from this material, exposure should be minimized. No toxicity information available

Section 12. Ecological Information

Environmental Data	No information available

Section 13. Disposal

Method	Incinerate. Follow all federal, state and local regulations
Empty Container	Containers of this material may be hazardous when empty since they retain product residues (liquids). Observe all warnings and precautions listed for this product.
Comments	It is recommended that waste generators determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult with their waste broker and state and local hazardous waste regulations to insure complete and accurate classification. Although not la listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. US EPA guidelines for classification determination are listed on 40CFR Parts 261.3

Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	N/A
DOT Classification	N/A
Packing Group	N/A
Transport	Not Dangerous Goods
Additional Information	IMDG: Not Dangerous Goods IATA: Not Dangerous Goods

Section 15. Regulatory Information

No Data Available

Section 16. Other Information

Revision Date	2/8/2016
Manufacturer Disclaimer	The data in this Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.
Manufacturer Supplemental Notes	All technical data is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.
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