

Advantis LT Activator

Section 1. Chemical product and company identification

Product name : Advantis LT Activator
Recommended use and restrictions : Additive
Use only for the purpose on the product label.

Product dilution information : Mixture of 1.3-2.3 oz Advantis LT Activator (5.08-98.8 mL/L) with 1.28-8.45 oz Advantis LT Base (5-33 mL/L) per 2 gal of water.

Supplier's information : Ecolab Inc. Food & Beverage Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-392-3392

Code : 913107-01

Date of issue : **20 Mar 2013**
EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Hazards identification

GHS Classification : **Product AS SOLD**
OXIDIZING LIQUIDS - Category 3
CORROSIVE TO METALS - Category 1
ACUTE TOXICITY: ORAL - Category 4
SKIN CORROSION/IRRITATION - Category 1
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3
AQUATIC TOXICITY (ACUTE) - Category 2

GHS label elements

Signal word : Danger

Symbol : 

Hazard statements : May intensify fire; oxidizer.
May be corrosive to metals.
Harmful if swallowed.
Causes severe skin burns and eye damage.
May cause respiratory irritation.
Toxic to aquatic life.

Precautionary statements

Prevention :

Product AT USE DILUTION
SKIN CORROSION/IRRITATION - Category 1
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

Danger



Causes severe skin burns and eye damage.

Section 2. Hazards identification

<p>Response</p> <p>Storage</p> <p>Disposal</p> <p>Other hazards</p>	<p>Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat. - No smoking. Keep away from clothing, incompatible materials and combustible materials. Keep only in original container. Take any precaution to avoid mixing with combustibles and other incompatible materials. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.</p> <p>: Absorb spillage to prevent material damage. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.</p> <p>: Store in corrosive resistant container with a resistant inner liner.</p> <p>: See section 13 for waste disposal information.</p> <p>: None known.</p>	<p>Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wash hands thoroughly after handling.</p> <p>IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.</p> <p>No other specific measures identified.</p> <p>See section 13 for waste disposal information.</p> <p>None known.</p>
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Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
HYDROGEN PEROXIDE	34	7722-84-1
benzenesulfonic acid, (1-methylethyl)-, sodium salt	1 - 5	28348-53-0
alcohols, c8-10, ethers with polyethylene-polypropylene glycol monobenzyl ether	1 - 5	68154-99-4

Product AT USE DILUTION

Hazardous ingredients	Concentration Range (%)	CAS number
SODIUM HYDROXIDE	<1	1310-73-2

Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Skin contact	: Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.
Ingestion	: Get medical attention immediately. Rinse mouth. Do not induce vomiting.	Get medical attention immediately. Rinse mouth. Do not induce vomiting.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.	
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	

See toxicological information (section 11)

Section 5. Fire-fighting measures

Product AS SOLD

Suitable fire extinguishing media	: Use water spray, fog or foam.
Specific hazards arising from the chemical	: Oxidizing material. May intensify fire. In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides metal oxide/oxides
Specific fire-fighting methods	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Risk of explosion. If large quantities are involved in a major fire, evacuate the area. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Fight fire from protected location or maximum possible distance.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Section 6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
Personal precautions	: Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.	Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.
Environmental precautions	: Avoid contact of spilled material and runoff with soil and surface waterways.	Avoid contact of spilled material and runoff with soil and surface waterways.
Methods for cleaning up	: Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. If emergency personnel are unavailable, contain spilled material. Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container. Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Use a water rinse for final clean-up.	Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Use a water rinse for final clean-up.

Section 7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
Handling	: Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Keep away from combustible materials. Keep only in original container. Use only with adequate ventilation. Wash thoroughly after handling.	Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Use only with adequate ventilation. Wash thoroughly after handling.
Storage	: Keep out of reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area. Separate from reducing agents and combustible materials. Store between the following temperatures: -15 and 45°C	Keep out of reach of children. Keep container tightly closed.

Section 8. Exposure controls/personal protection

<u>Control parameters</u>	
Ingredient name	Exposure limits
HYDROGEN PEROXIDE	ACGIH TLV (United States, 3/2012). TWA: 1.4 mg/m ³ 8 hours. TWA: 1 ppm 8 hours. OSHA PEL (United States, 6/2010). TWA: 1.4 mg/m ³ 8 hours. TWA: 1 ppm 8 hours. NIOSH REL (United States, 6/2009). TWA: 1 ppm 10 hours. TWA: 1.4 mg/m ³ 10 hours.

Section 8. Exposure controls/personal protection

	Product AS SOLD	Product AT USE DILUTION
Appropriate engineering controls	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.
Personal protection		
Eye protection	: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.	Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
Hand protection	: Use chemical-resistant, impervious gloves.	Use chemical-resistant, impervious gloves.
Skin protection	: Use synthetic apron, other protective equipment as necessary to prevent skin contact.	Use synthetic apron, other protective equipment as necessary to prevent skin contact.
Respiratory protection	: A respirator is not needed under normal and intended conditions of product use.	A respirator is not needed under normal and intended conditions of product use.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.	

Section 9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
Physical state	: Liquid.	Liquid.
Color	: Colorless	Amber [Light]
Odor	: Pungent	Odorless
pH	: 0.5 to 1.5 (100%)	11.76 to 11.76
Flash point	: > 100°C	> 100°C
Explosion limits	: Not available.	
Flammability (solid, gas)	: Not available.	
Melting point	: Not available.	
Boiling point	: 100°C (212°F)	
Evaporation rate (butyl acetate = 1)	: Not available.	
Vapor pressure	: Not available.	
Vapor density	: Not available.	
Relative density	: 1.13 to 1.16 (Water = 1)	
Solubility	: Easily soluble in the following materials: cold water and hot water.	
Partition coefficient: n-octanol/water	: Not available.	
Auto-ignition temperature	: Not available.	
Decomposition temperature	: Not available.	
Odor threshold	: Not available.	

Section 9. Physical and chemical properties

Viscosity : Not available.

Section 10. Stability and reactivity

Product AS SOLD

- Stability** : The product is stable.
- Possibility of hazardous reactions** : Hazardous reactions or instability may occur under certain conditions of storage or use.
Conditions may include the following:
contact with combustible materials
Reactions may include the following:
risk of causing or intensifying fire
- Conditions to avoid** : Drying on clothing or other combustible materials may cause fire.
- Materials to avoid** : Highly reactive or incompatible with the following materials: alkalis.
Reactive or incompatible with the following materials: organic materials.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Inhalation, Ingestion

Product AS SOLD

Symptoms

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Inhalation** : Adverse symptoms may include the following:
coughing
Respiratory tract irritation
- Ingestion** : Adverse symptoms may include the following:
stomach pains

Product AT USE DILUTION

- Adverse symptoms may include the following:
pain
watering
redness
- Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Adverse symptoms may include the following:
coughing
Respiratory tract irritation
- Adverse symptoms may include the following:
stomach pains
- Causes serious eye damage.
- Causes severe burns.
- May cause respiratory irritation.
- May cause burns to mouth, throat and stomach.

Acute toxicity

- Eye contact** : Causes serious eye damage.
- Skin contact** : Causes severe burns.
- Inhalation** : May cause respiratory irritation.
- Ingestion** : Harmful if swallowed. May cause burns to mouth, throat and stomach.

Toxicity data

Product/ingredient name	Result	Species	Dose
Hydrogen peroxide	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	486 mg/kg
benzenesulfonic acid, (1-methylethyl)-, sodium salt	LC50 Inhalation Dusts and mists	Rat	>770 mg/l
	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	>7000 mg/kg

Chronic toxicity

- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.

Section 11. Toxicological information

Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Section 12. Ecological information

Product AS SOLD

Ecotoxicity : This material is toxic to aquatic life.

Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
Hydrogen peroxide	Acute EC50 1.38 mg/l	Aquatic plants	72 hours
benzenesulfonic acid, (1-methylethyl)-, sodium salt	Acute LC50 >450 mg/l	Fish	96 hours

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Product AS SOLD

Disposal methods : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

RCRA classification : Unused product is D002 (Corrosive)
Unused product is D001 (Ignitable)

Product AT USE DILUTION

Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

DOT

DOT Classification UN2014
DOT Proper shipping name Hydrogen peroxide, aqueous solutions
Class 5.1 (8)
Packing group II

IMO/IMDG

IMO/IMDG Classification UN2014
IMO/IMDG Proper shipping name HYDROGEN PEROXIDE, AQUEOUS SOLUTION
Class 5.1 (8)
Packing group II

For transport in bulk, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

Section 15. Regulatory information

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.
 SARA 302/304/311/312 **extremely hazardous substances**: No listed substance
 SARA 302/304 **emergency planning and notification**: No listed substance

SARA 313	Product name	CAS number	Concentration
Form R - Reporting requirements	: No listed substance		

California Prop. 65 : No listed substance

Section 16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.) :

Health	*	3
Flammability		0
Physical hazards		1

National Fire Protection Association (U.S.A.) :



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 Prepared by : Regulatory Affairs
 1-800-352-5326

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

Product AT USE DILUTION

Health	3
Flammability	0
Physical hazards	0

