

SAFETY DATA SHEET

ADVACARE 120 SANITIZER/SOUR

Section 1. Chemical product and company identification

Product name : ADVACARE 120 SANITIZER/SOUR
Recommended use and restrictions : Laundry product
Use only for the purpose on the product label.

Product dilution information : Not applicable

Supplier's information : Ecolab Inc. Textile Care Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-553-8683

Code : 984484-09

Date of issue : 17 Jun 2013

EPA Registration No. : 1677-193

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
ORGANIC PEROXIDES - Type F
ACUTE TOXICITY: ORAL - Category 4
ACUTE TOXICITY: SKIN - Category 3
ACUTE TOXICITY: INHALATION - Category 3
SKIN CORROSION/IRRITATION - Category 1
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

GHS label elements

Signal word : Danger

Symbol :



Hazard statements : Heating may cause a fire.
May intensify fire; oxidizer.
Toxic in contact with skin or if inhaled.
Harmful if swallowed.
Causes severe skin burns and eye damage.

Precautionary statements

Prevention : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Keep away from clothing, incompatible materials and combustible materials. Use only outdoors or in a well-ventilated area. Store only in the original,

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

Section 2. Hazards identification

	properly sealed vented container. Avoid breathing vapor. Do not mix with bleach or other chlorinated products - will cause chlorine gas. Wash hands thoroughly after handling.
Response	: 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.
Storage	: Protect from sunlight. Keep cool. Store away from other materials.
Disposal	: See section 13 for waste disposal information.
Other hazards	: None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
PEROXYACETIC ACID	15.2	79-21-0
HYDROGEN PEROXIDE	11.2	7722-84-1

Product AT USE DILUTION

Hazardous ingredients	Concentration Range (%)	CAS number
Data not available - Refer to Product AS SOLD		

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.	Data not available - Refer to Product AS SOLD
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.	
Inhalation	: 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.	

Section 4. First aid measures

- 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. If ventilation is inadequate, use respirator that will protect against dust/mist. 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 dry chemical, CO₂, water spray (fog) or foam.
- Specific hazards arising from the chemical** : Oxidizing material. This material increases the risk of fire and may aid combustion. Heating may cause a fire. May intensify fire. May re-ignite itself after fire is extinguished. Hazardous decomposition may occur. In a fire or if heated, a pressure increase will occur and the container may burst. Runoff to sewer may create fire or explosion hazard.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
- 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

	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). Eliminate all ignition sources. Use personal protective equipment as required. Do not touch or walk through spilled material.	Data not available - Refer to Product AS SOLD
Environmental precautions	: 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. If emergency personnel are not present, contain and collect small spillages with non-combustible absorbent material, e.g. sand, earth or other suitable material and place in a suitable container for disposal. 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	

Section 6. Accidental release measures

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 get in eyes or on skin or clothing. Do not breathe vapor or mist. Keep away from combustible materials. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Keep only in original container. Use only with adequate ventilation. Do not mix with bleach or other chlorinated products - will cause chlorine gas. Wash thoroughly after handling.	Data not available - Refer to Product AS SOLD
Storage	: Keep out of reach of children. Keep container in a cool, well-ventilated area. Store only in the original, properly sealed vented container. Separate from reducing agents and combustible materials. Store between the following temperatures: -10 and 50°C	

Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
ACETIC ACID	ACGIH TLV (United States, 3/2012). STEL: 37 mg/m ³ 15 minutes. STEL: 15 ppm 15 minutes. TWA: 25 mg/m ³ 8 hours. TWA: 10 ppm 8 hours. OSHA PEL (United States, 6/2010). TWA: 25 mg/m ³ 8 hours. TWA: 10 ppm 8 hours. NIOSH REL (United States, 6/2009). TWA: 10 ppm 10 hours. TWA: 25 mg/m ³ 10 hours. STEL: 15 ppm 15 minutes. STEL: 37 mg/m ³ 15 minutes.
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.	Data not available - Refer to Product AS SOLD
<u>Personal protection</u>		
Eye protection	: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.	
Hand protection	: Use chemical-resistant, impervious gloves.	
Skin protection	: Use synthetic apron, other protective equipment as necessary to prevent skin contact.	
Respiratory protection	: Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.	
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.	Data not available - Refer to Product AS SOLD
Color	: Colorless	
Odor	: Acetic acid.	
pH	: 1.8 (100%)	
Flash point	: 96 °C (Closed cup) Product does not support combustion.	
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	: 1.114 (Water = 1)	
Solubility	: Easily soluble in the following materials: cold water and hot water.	
Partition coefficient: n-octanol/water	: Not available.	

Section 9. Physical and chemical properties

Auto-ignition temperature : Not available.
 Decomposition temperature : Not available.
 Odor threshold : Not available.
 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:
 temperature increase
 contact with combustible materials
 high temperature
 Reactions may include the following:
 hazardous decomposition
 risk of causing or intensifying fire

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Avoid increased storage temperature. Drying on clothing or other combustible materials may cause fire.

Materials to avoid : Reactive or incompatible with the following materials: organic materials, metals and alkalis.
 Do not mix with bleach or other chlorinated products - will cause chlorine gas.

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

Acute toxicity

Eye contact : Causes serious eye damage.

Skin contact : Causes severe burns. Toxic in contact with skin.

Inhalation : Toxic if inhaled. May cause respiratory irritation.

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

Section 11. Toxicological information

Ingestion : Harmful if swallowed. May cause burns to mouth, throat and stomach.

Toxicity data

Product/ingredient name

acetic acid	LC50 Inhalation Vapor	Rat	>40 mg/l
	LD50 Dermal	Rabbit	1060 mg/kg
	LD50 Oral	Rat	3310 mg/kg
peracetic acid	LC50 Inhalation	Rat	5.175 mg/l
	Dusts and mists		
	LD50 Dermal	Rat	1012 mg/kg
Hydrogen peroxide	LD50 Oral	Rat	1634 mg/kg
	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	486 mg/kg

Chronic toxicity

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

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
acetic acid	Acute LC50 75 mg/l	Fish	96 hours
peracetic acid	Acute EC50 0.73 mg/l	Daphnia	48 hours
	Chronic NOEC 0.2 ppm	Fish - Cyprinus	30 days
	Fresh water	carpio - Young	
Hydrogen peroxide	Acute EC50 1.38 mg/l	Aquatic plants	72 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 D001 (Ignitable)
Unused product is D002 (Corrosive)

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

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 UN3109

DOT Proper shipping name Organic peroxide type F, liquid (Peroxyacetic acid, Type F, stabilized)

Class 5.2

Packing group -

Section 14. Transport information

IMO/IMDG

IMO/IMDG Classification UN3109
 IMO/IMDG Proper shipping name Organic peroxide type F, solution, (Peroxyacetic acid, type F, stabilized)
 Class 5.2
 Packing group -

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.

EPA Registration No. : 1677-193

SARA 302/304/311/312 extremely hazardous substances: peracetic acid

SARA 302/304 emergency planning and notification: peracetic acid

<u>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	: peracetic acid	79-21-0	15.2

California Prop. 65 : No listed substance

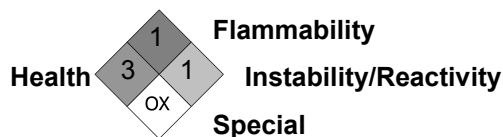
Section 16. Other information

Product AS SOLD

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

Health	*	3
Flammability		1
Physical hazards		1

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



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 1-800-352-5326

Notice to reader

Section 16. Other information

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.