

# Material Safety Data Sheet



PRODUCT NAME: SHARON BIOMIX ECO

## CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: SHARON BIOMIX ECO  
DATE: March 15, 2013

DISTRIBUTOR: ACME-HARDESTY COMPANY  
ADDRESS: 450 Sentry Parkway  
Blue Bell, PA 19422

TELEPHONE: (866) 226 - 3834  
FAX: (215) 591 - 3620  
EMERGENCY: CHEMTREC (800) 424-9300

## COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION: Certified Organic Citrus Extract in Benzyl Alcohol

RELEVANT IDENTIFIED USES: Cosmetics, personal care products

DANGEROUS SUBSTANCE	CAS#	RANGE (%)	CLASSIFICATION (EEC) NO 67/548/EEC/1999/45/EEC	CLASSIFICATION (EC) 1272/2008
Benzyl Alcohol [EC No. 202-859-9] [Index-No.: 603-057-00-5]	100-51-6	80 - 90 %	Xn; R20/22 Xi; R36	Acute Tox. 4; H302 Eye Irrit. 2; H319 Acute Tox. 4; H332
Glycerol [EC No 200-289-5]	56-81-5	5 - 10 %	----	----

Other Data: Full text of R-, H- and EUH-phrases: see "Other Information" at end of MSDS

Classification according to Regulation (EC) No. 1272/2008

H319 Acute Tox. 4;  
H302 Eye Irrit. 2  
H332

Classification according to Directive 67/548/EEC / 1999/45/ EEC

Xn; Harmful  
R22: Harmful if swallowed  
Xi: Irritant  
R36: Irritating to eyes

NOTE: This product is approved for "FDA (COSMETIC) USE ONLY". Any commercial TSCA use is strictly prohibited and Acme-Hardesty Co. will not support downstream users/uses of TSCA purposes for this material.

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HAZARDS IDENTIFICATION

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Classification according to Regulation (EC) No. 1272/2008

H319	Acute Tox.	4;
H302	Eye Irrit.	2

Classification according to Directive 67/548/EEC / 1999/45/ EEC

Xn;	Harmful
R22:	Harmful if swallowed
Xi:	Irritant
R36:	Irritating to eyes

HAZARD PICTOGRAM:



GHS07

SIGNAL WORD:

Warning

HAZARDS DESIGNATION:

Xn:	Harmful
Xi:	Irritant

HAZARDOUS COMPONENTS TO BE INDICATED ON LABEL: Benzyl Alcohol

H-STATEMENT(s)

H302:	Harmful if swallowed
H319:	Causes serious eye irritation.
H332:	Harmful if inhaled

P-STATEMENT(s)

P261:	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264:	Wash hands thoroughly after handling.
P270:	Do not eat, drink or smoke when using this product.
P271:	Use only outdoors or in a well-ventilated area.
P280:	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312: IF SWALLOWED:	Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340: IF INHALED:	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330:	Rinse mouth.
P337+P313:	If eye irritation persists: Get medical advice/attention.
P501:	Dispose of contents/container to Suitable waste treatment

HAZARD PRECAUTIONS: This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

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FIRST AID MEASURES

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GENERAL INFORMATION:	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
INHALATION:	Move victim to fresh air. Put victim at rest and keep warm. In case of breathing difficulties administer oxygen. In case of respiratory tract irritation, consult a physician.
SKIN CONTACT:	Wash immediately with plenty of water and soap. Remove and wash contaminated clothing before re-use. If skin irritation occurs, seek medical advice/attention.
EYE CONTACT:	Flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart Consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.
INGESTION:	Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. In case of swallowing, get doctor immediately.
SYMPTOMS:	Prolonged or repeated contact with the preparation can lead to irritations of mucous membranes and of skin such as redness, formation of blebs, dermatitis, etc. Harmful if inhaled Vapors may cause drowsiness and dizziness Irritation to respiratory tract The most important known symptoms and effects are described in the labeling Further important symptoms and effects are so far not known.
IMMEDIATE MEDICAL ATTENTION INDICATION:	First Aid, decontamination, treatment of symptoms.

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FIRE FIGHTING MEASURES

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SUITABLE EXTINGUISHING MEDIA:	Carbon dioxide (CO <sub>2</sub> ). Extinguishing powder, alcohol-resistant foam Water spray jet
NON- SUITABLE EXTINGUISHING MEDIA:	High power water jet for safety reasons
SPECIAL EXPOSURE HAZARDS:	Thermal decomposition can lead to the escape of irritating gases and vapors. Inhaling hazardous decomposing products can cause serious health damage.
HAZARDOUS DECOMPOSITION PRODUCTS:	carbon dioxide, carbon monoxide.
SPECIAL PROTECTIVE EQUIPMENT:	Use breathing apparatus and wear chemical protective clothing.
ADDITIONAL INFORMATION:	Keep unprotected people away and stay on the upwind side. Cool closed containers that are near the source of the fire. Remove product from area of fire. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous. Due to gaseous decomposition products, overpressure can occur in tightly sealed containers.

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ACCIDENTAL RELEASE MEASURES

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PERSONAL SAFETY PRECAUTIONS:	Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear personal protection equipment. Personal protective equipment: refer to PERSONAL PROTECTION.
ENVIRONMENTAL PROTECTION MEASURES:	Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Retain contaminated washing water and dispose it.
CLEANING/COLLECTING MEASURES:	Measures to prevent aerosol and dust generation Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal. Dispose of waste according to applicable legislation.
ADDITIONAL INFORMATION:	See protective measures under HANDLING AND STORAGE and EXPOSURE CONTROLS AND PERSONAL PROTECTION

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HANDLING AND STORAGE

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ADVICE ON SAFE HANDLING:	Avoid the formation of aerosol. Provide adequate ventilation and local exhaustion at critical locations Avoid contact with skin and eyes.
FIRE AND EXPLOSION PROTECTION:	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Usual measures for fire prevention
STORAGE SPACE/CONTAINER REQUIREMENTS:	Keep container tightly closed in a cool, well-ventilated place. Protect against direct sunlight.
HINTS ON STORAGE ASSEMBLY:	Keep in a cool, well-ventilated place away from highly flammable substances. Do not store together with: Strong acid, Strong alkali, oxidizing agent
STORAGE SPECIFICATIONS:	Keep container tightly closed in a cool, well-ventilated place. Keep away from sources of ignition. Keep container tightly closed and dry.
SPECIFIC USE(S):	Cosmetics, personal care products

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EXPOSURE CONTROLS / PERSONAL PROTECTION

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CONTROL PARAMETERS:

Glycerol  
Great Britain

Long-term exposure value/ppm	10
Remarks	Mist
Source	EH40/200 Workplace exposure limits (October 2007)

RESPIRATORY PROTECTION:

Wear breathing apparatus if exposed to vapors/dusts/aerosols.  
In case of inadequate ventilation wear respiratory protection.  
Suitable respiratory equipment:  
Gas filtering device (DIN EN 141) Filter type A

HAND PROTECTION:

The quality of the protective gloves resistant to chemicals must be chosen as a function of  
The specific working place concentration and quantity of hazardous substances.  
Material breakthrough times & swelling properties must be taken into consideration.  
For special purposes, it is recommended to check the resistance to chemicals of the  
protective gloves mentioned above together with the supplier of these gloves.

EYE PROTECTION:

Wear eye glasses with side protection according to EN 166.

SKIN AND BODY PROTECTION:

Wear suitable protective clothing, gloves and eye/face protection.

GENERAL PROTECTION & HYGIENE:

When using do not eat, drink or smoke.  
Separate storage of work clothes.  
Wash contaminated clothing prior to re-use.  
Wash hands and face before breaks and after work and take a shower if necessary.  
Before starting work, apply solvent-resistant skincare preparations.

ENGINEERING MEASURES:

Provide good ventilation.  
Handle substance within a predominantly closed system provided with extract  
ventilation.

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PHYSICAL AND CHEMICAL PROPERTIES

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**Information on Basic Physical and Chemical Properties**

PHYSICAL STATE:	Liquid
COLOR:	Yellow (clear)
ODOR:	Characteristic
ODOR THRESHOLD:	No data available
pH:	2.2 < pH < 4.0 (In aqueous solution, 10%)
MELTING POINT [°C]:	-15°C (Remarks: Data applies to the main component)
BOILING POINT [°C]:	205°C (Remarks: Data applies to the main component)
FLASH POINT [°C]:	93 - 101°C (Remarks: Data applies to the main component)
EVAPORATION RATE [kg/(s*m <sup>2</sup> )]:	No data available
FLAMMABILITY:	No data available
EXPLOSION LIMITS [Vol-%]:	Lower limit: 1.3 % by volume Upper limit: 13 % by volume (Remarks: Data applies to the main component)
RISK OF EXPLOSION:	No data available
VAPOR PRESSURE [kPa]:	0.13 mbar Temperature: 20 °C (Remarks: Data applies to the main component)
DENSITY [g/cm <sup>3</sup> ]:	0.960 - 1.174 Temperature: 20°C
WATER SOLUBILITY [g/l]:	40 g/L (Remarks: moderately soluble, Data apply to the main component)
PARTITION COEFFICIENT N-OCTANOL / WATER (log P O/W):	1.1 (Remarks: Data applies to the main component)
AUTOIGNITION TEMPERATURE [°C]:	435°C (Remarks: Data applies to the main component)
DECOMPOSITION TEMPERATURE [°C]:	No data available
VISCOSITY, DYNAMIC [kg/(m*s)]:	6.6 mPa's Temperature: 20°C (Remarks: Data applies to the main component)
OXIDATION:	No data available

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STABILITY AND REACTIVITY

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REACTIVITY:	The product is stable if stored and handled as prescribed/indicated.
CHEMICAL STABILITY:	The product is stable if stored and handled as prescribed/indicated.
HAZARDOUS REACTIONS:	Hydrogen bromide (HBr). + Iron.; Oxidizing agent
CONDITIONS TO AVOID:	Due to gaseous decomposition products, overpressure can occur in tightly sealed containers. Keep away from heat sources, sparks and open flames. Hygroscopic: Protect from moisture.
MATERIALS TO AVOID:	Keep away from strongly acidic and alkaline materials as well as oxidizers. Keep from: Humidity, hydrogen bromide (HBr). +Iron., Sulphuric acid, Phosphorus trichloride.
HAZARDOUS DECOMP.:	Hazardous decomposition byproducts may form with exposure to high temperatures. Carbon dioxide Carbon monoxide

TOXICOLOGICAL INFORMATION

ORAL TOXICITY [mg/kg]

<u>Value</u>	<u>Test Species</u>	<u>Remarks</u>
LD50: 1230 mg/kg	Rat	(Data applies to the main component)
LD50: 1620 mg/kg	Rat male	(Data applies to the main component)
LD50: 1360 mg/kg	Mouse	(Data applies to the main component)
LD50: 1040 mg/kg	Rabbit	(Data applies to the main component)

Of moderate toxicity after single ingestion: The statement is derived from the properties of the single components.

DERMAL TOXICITY [mg/kg]: No data available

INHALATION TOXICITY [mg/l]

<u>Value</u>	<u>Test Criterion</u>	<u>Test Species</u>	<u>Dosage Duration</u>	<u>Remarks</u>
LC50: > 4.178 mg/l	OECD 403, Acute	Rat	4 h	(Data applies to main component)

Of moderate toxicity after short-term inhalation: (Data applies to the main component)

IRRITANT EFFECT ON SKIN:

Value	Measuring Method	Test Species	Exposure Duration	Remarks
Slight irritant but not relevant for classification	Draize Test, 16 mg	Human toxicological data	48 h	*
Slight irritant but not relevant for classification	Draize Test, 100 mg	Rabbit	24 h	*
Not an irritant	OECD 404	Rabbit		*

\*(Data applies to main component)

IRRITANT EFFECT ON EYES:

Value	Measuring Method	Test Species	Remarks
Positive	OECD 476, in vitro	Mammalian cells (with metabolic activation)	*
Positive	Chromosomal aberrations, in vitro	Mammalian cells (with metabolic activation)	*
Negative	OECD 474, in vivo		*

Not Conclusive: The statement is derived from the properties of the single components.

\*(Data applies to main component)

SENSITIZATION:

Value	Measuring Method	Test Species	Remarks
Not sensitizing	Dermal	Guinea Pig	(Data applies to the main component)

No sensitization responses were observed: The statement is derived from the properties of the single components

Carcinogenic Effects: No data available

MUTAGENICITY:

Value	Measuring Method	Test Species	Remarks
Positive	OECD 476, in vitro	Mammalian cells (with metabolic activation)	*
Positive	Chromosomal aberrations, in vitro	Mammalian cells (with metabolic activation)	*
Negative	OECD 474, in vivo		*

Not Conclusive: The statement is derived from the properties of the single components.

REPRODUCTION TOXICITY: No data available

SPECIFIC TARGET ORGAN TOXICITY (single exposure) [mg/kg]: No data available

SPECIFIC TARGET ORGAN TOXICITY (repeated exposure) [mg/kg]: No data available

ASPIRATION HAZARD: No data available

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ECOLOGICAL INFORMATION

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TOXICITY TO FISH [mg/l]:

Value	Test Species	Dosage Duration	Remarks
LC50: 460 mg/l	Pimephales promelas (fathead minnow)	96 h	Data applies to the main component

TOXICITY TO DAPHNIA [mg/l]:

Value	Test Criterion	Test Species	Exposure Duration	Remarks
EC50: 230 mg/l	OECD 202, Mobility	Daphnia magna (big water flea)	48 h	Data applies to the main component

TOXICITY TO ALGAE [mg/l]:

Value	Test Criterion	Test Species	Exposure Duration	Remarks
IC50: 700 mg/l	OECD 201, growth rate inhibition	Pseudokirchneriella subcapitata	72 h	Data applies to the main component

AQUATIC TOXICITY [mg/l]: There is a high probability that the product is not acutely harmful to aquatic organisms. The statement is derived from the properties of the single components.

OTHER AQUATIC ORGANISMS [mg/l]:

Value	Test Criterion	Test Species	Remarks
IC50: 390 mg/l	ISO8192, Bacterial Toxicity	24 h	Data applies to the main component

NOEC (Daphnie) [mg/l]:

Value	Test Criterion	Test Species	Remarks
NOEC: 51 mg/l	OECD 211, 21d	Daphnia magna (big water flea)	Data applies to the main component

Persistence and Degradability:

BIODEGRADABILITY: Readily biodegradable (according to OECD criteria).  
 REMARKS: OECD 302C: 92-96 % (14d), OECD 301A: 95-97 % (21 d).  
 Data applies to the main component.

Biodegradable  
 REMARKS: The statement is derived from the properties of the single components.

Bio accumulative Potential:

BIOACCUMULATION: Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.  
 REMARKS: Data apply to the main component.

MOBILITY IN SOIL:

MOBILITY: No data available

RESULTS OF PBT AND VPVB ASSESSMENT:

Results of PBT Characteristics Determination: This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.



DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:

DISPOSAL CONSIDERATIONS: Dispose according to legislation.  
Do not allow uncontrolled discharge of product into the environment.

UN-CLEANED EMPTY PACKAGING: Packs that cannot be cleaned should be disposed of in the same manner as the contents.  
Consult the appropriate local waste disposal expert about waste disposal.

TRANSPORT INFORMATION

	Land transport GGVS/ ADR/RID	Marine transport IMDG/ GGVSee	Air transport ICAO/IATA
Remarks:	No dangerous good in sense of this transport regulation.	No dangerous good in sense of this transport regulation.	No dangerous good in sense of this transport regulation.

REGULATORY INFORMATION

NOTE: This product is approved for “**FDA (COSMETIC) USE ONLY**”. Any commercial TSCA use is strictly prohibited and Acme-Hardesty Co. will not support downstream users/uses of TSCA purposes for this material.

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR SUBSTANCE OR MIXTURE:

ADDITIONAL REGULATIONS: Observe in addition any national regulations!

CHEMICAL SAFETY ASSESSMENT:

SAFETY ASSESSMENT: Chemical safety assessments for substances in this mixture were not carried out.

R PHRASE(S) APPLYING TO INGREDIENTS: R20/22: Harmful by inhalation and if swallowed.  
R36: Irritating to eyes.

H-STATEMENT(S) APPLYING TO INGREDIENTS: H302: Harmful if swallowed.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

Users must make their own determination that handling, storage and use of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product.

Disposal of containers must comply with applicable federal, state and local laws and regulations. Empty containers should never be given to individuals.