

Material Safety Data Sheet



PRODUCT NAME: SHARON BIOMIX CLEAR

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: SHARON BIOMIX CLEAR
DATE: February 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 2-phenoxyethanol

RELEVANT IDENTIFIED USES: Cosmetics, personal care products

INGREDIENT	CAS#	RANGE (%)	SYMBOL / R & H PHRASE	
2-Phenoxyethanol [EC No 204-589-9] [Index No 603-098-00-9]	122-99-6	80 - 90 %	Xn/Xi	R22/36 H302/319
Glycerol [EC No 200-289-5]	56-81-5	5 - 10 %	-	-

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

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.

FIRST AID MEASURES

GENERAL INFO: 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: After contact with skin, wash immediately with plenty of water and soap.
Remove and wash contaminated clothing before re-use.
If skin irritation occurs:
Get medical advice/attention.

EYE CONTACT: In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and 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: The most important known symptoms and effects are described in the labeling (Hazard Identification section) and/or in the Toxicological section.
Further important symptoms and effects are so far not known.

IMMEDIATE MEDIAL ATTENTION INDICATIONS: First Aid, decontamination, treatment of symptoms.

ACCIDENTAL RELEASE MEASURES

PERSONAL SAFETY PRECAUTIONS: Special danger of slipping by leaking/spilling product.
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.

REFERENCE TO OTHER SECTIONS: See protective measures under HANDLING AND STORAGE and EXPOSURE CONTROLS AND PERSONAL PROTECTION

HANDLING AND STORAGE

ADVICE ON SAFE HANDLING: Avoid the formation of aerosol.
 Provide adequate ventilation as well as 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.
 Suitable material for Container: Refined steel.
 Steel. phenolic lined steel drums.

UNSUITABLE MATERIALS FOR COTNAINERS: Copper, Aluminum, galvanized steel, galvanized iron.

STORAGE COMPATIBILITY: Do not store together with: strong acid, strong alkali, oxidizing agent

ADDITIONAL STORAGE CONDITIONS INFO: Keep container in a cool, well-ventilated place.
 Keep away from sources of ignition and heat.
 Keep container tightly closed.

SPECIFIC END USES: Cosmetics, personal care products

EXPOSURE CONTROLS / PERSONAL PROTECTION

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.
 Breakthrough times and swelling properties of the material 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 PROTECTION: Wear suitable protective clothing, gloves and eye/face protection.

GENERAL PROTECTIVE MEASURES: 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.
 Protect skin by using skin protective cream.

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

PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOR:	Yellow (clear)
ODOR:	Characteristic
ODOR THRESHOLD:	No data available
pH:	2.2 < pH < 4.0
Remarks:	In aqueous solution, 10%
MELTING POINT:	No data available
BOILING POINT:	244°C
Pressure:	760 mm Hg
Remarks:	Literature value, Data apply to main component.
FLASH POINT:	121°C (closed cup)
Remarks:	Data apply to main component
EVAPORTION RATE [kg/(s*m ²)]:	No data available
FLAMMABILITY:	No data available
EXPLOSION LIMITS [Vol-%]:	No data available
RISK OF EXPLOSION:	No data available
VAPOR PRESSURE:	0.0005 kPa
Temperature:	20°C
Remarks:	Literature value, Data apply to the main component
DENSITY [g/cm ³]:	1.010-1.230
Temperature:	20°C
WATER SOLUBILITY [g/l]:	2.3% by weight
Remarks:	Data apply to the main component
PARTITION COEFFICIENT N-OCTANOL / WATER (log PO/W):	1.16
Remarks:	Measured, Data apply to the main component
AUTO-IGNITION TEMPERATURE:	500°C
Remarks:	Literature value, Data apply to the main component
DECOMPOSITION TEMPERATURE [°C]:	No data available
VISCOSITY, DYNAMIC [kg/(m*s ²)]:	29.84 mPa's
Temperature:	20°C
Remarks:	Data apply to the main component
FREEZING POINT:	12°C
RELATIVE VAPOR DENSITY (air = 1):	4.8
Temperature:	20°C
Remarks:	Data apply to the main component

STABILITY AND REACTIVITY

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.
POSSIBILITY OF HAZARDOUS REACTIONS:	No risks worthy of mention.
CONDITIONS TO AVOID:	Due to gaseous decomposition products, overpressure can occur in tightly sealed containers. Keep away from heat sources, sparks and open flames.
INCOMPATIBLE MATERIALS:	Keep away from strongly acidic and alkaline materials as well as oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS:	Hazardous decomposition byproducts may form with exposure to high temperatures. Aldehydes, Ketone, Organic acid, carbon dioxide, carbon monoxide

TOXICOLOGICAL INFORMATION

ORAL TOXICITY [mg/kg]

VALUE	TEST SPECIES	REMARKS
LD50: 1400 - 4000 mg/kg	Rat	Data apply 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]

VALUE	TEST SPECIES	REMARKS
LD50: > 2000 mg/kg	Rabbit	Data apply to the main component.
Virtually nontoxic after a single skin contact.		The statement is derived from the properties of the single components.

INHALATIVE TOXICITY [mg/l]: No data available

IRRITANT EFFECTS

SKIN: Not irritating to the skin.
 REMARKS: The statement is derived from the properties of the single components.

EYES: Eye contact causes irritation.
 REMARKS: The statement is derived from the properties of the single components.

RESPIRATORY TRACT: ROOM TEMPERATURE: Not an irritant.
 TREATMENT BY HEATING: Causes temporary irritation of the respiratory tract.
 REMARKS: Data apply to the main component.

SENSITIZATION: Skin sensitizing effects were not observed in animal studies.
 REMARKS: The statement is derived from the properties of the single components.

CARCINOGENIC EFFECTS: No data available

MUTAGENICITY: Mutagenicity tests revealed no genotoxic potential.
 REMARKS: Data apply to the main component.

REPRODUCTION TOXICITY: The results of animal studies gave no indication of a fertility impairing effect.
 No indications of a developmental toxic/teratogenic effect were seen in animal studies.
 REMARKS: Data apply to the main component.

SPECIFIC TARGET ORGAN TOXICITY

(single exposure) [mg/kg]:
 REMARKS: No data available

SPECIFIC TARGET ORGAN TOXICITY

(repeated exposure) [mg/kg]

VALUE	TEST SPECIES	REMARKS
Blood, liver, kidney thyroid		May cause damage to organs through prolonged or repeated exposure. Data applies to main component

ASPIRATION HAZARD: No data

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ECOLOGICAL INFORMATION

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TOXICITY TO FISH [mg/kg]:

VALUE	TEST SPECIES	DURATION	REMARKS
LC50: 344 - 347 mg/l	Pimephales promelast	96 h	Data applies to the main component.

TOXICITY TO DAPHNIA [mg/l]:

VALUE	TEST SPECIES	REMARKS
EC50: > 500 mg/l	Daphnia magna (Water flea)	Data applies to the main component.

TOXICITY TO ALGAE [mg/l]:

VALUE	TEST SPECIES	REMARKS
EC50: > 500 mg/l	Scenedesmus sp.	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 SPECIES	DURATION	REMARKS
EC50: 880 mg/l	Bacteria toxicity	17 h	Data applies to the main component.

PERSISTENCE AND DEGRADABILITY
 BIODEGRADABILITY

REMARKS: Readily biodegradable.
 (OECD 301F) Biodegradation: 90%
 Data apply to the main component.

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

BIO-ACCUMULATIVE POTENTIAL:

BIO-ACCUMULATION: 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: MOBILITY IN SOIL: low potential for adsorption
 HENRY CONSTANT: 2.0E-7 atm*m³/mol (25°C)
 KOC: 16 - 102
 Partition coefficient n-octanol /water (log P O/W) 1.16

REMARKS: Data apply to the main component.

RESULTS OF PBT AND VPVB ASSESSMENT

PBT CHARACTERISTICS DETERMINATION RESULTS: This substance does not meet the PBT/vPvB criteria of REACH, annex III

DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:

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

UNCLEANED EMPTY PACKAGING: Packs that can't be cleaned, dispose of in the same manner as the contents.
Consult the he 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.

ENVIRONMENTAL, HEALTH & SAFETY REGULATIONS/LEGISLATION SPECIFIC FOR THE 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.

CLASSIFIED& LABELED IN ACCORDANCE WITH EC DIRECTIVES/ORDINANCE ON HAZARDOUS MATERIALS (CHIP):

CODE LETTER/HAZARD DESIGNATION: Xn: Harmful
Xi: Irritant

ADDITIONAL INFORMATION

SPECIFIC END USES: Cosmetics, personal care products

RISK PHRASES: R22: Harmful if swallowed
R36: Irritating to eyes

H-STATEMENT(S): H302: Harmful if swallowed
H319: Causes serious eye irritation

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.