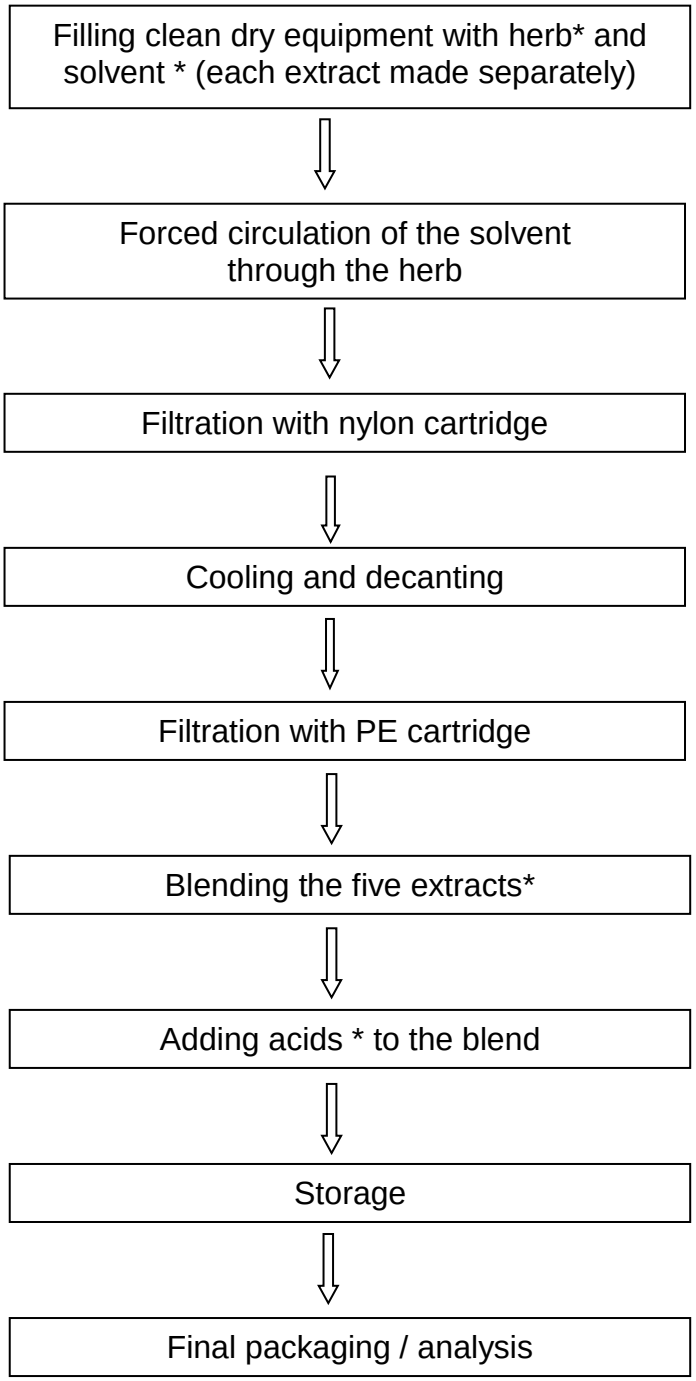
AHA FRUIT ACID

Batch Number	**4525706**
Best before End	**November 2026**
Animal Testing	**This product has never been tested on animals either by us, or on our behalf**
Derivation	**Vegetable / synthetic**

APPEARANCE	**Conforms**
ODOUR	**Conforms**
SPECIFIC GRAVITY @ 20°C SOLUBILITY IN	**1.18**
WATER (5g/100ml)	**Conforms**
pH (10% AQUEOUS SOLUTION @ 20°C)	**2.3**
MICROBIOLOGICAL DATA	
TOTAL PLATE COUNT (CFU/g)	**< 10**
TOTAL FUNGI COUNT (CFU/g)	**Conforms**

REVISION: 14/06/2019

AHA Fruit Acid



* As detailed in the Product Specification

GMO Statement

PRODUCT NAME: AHA Fruit Acid

MADAR Corporation Limited can confirm that the above listed product is GMO Free.

21/02/2020

REVISION: 12/04/2021

AHA Fruit Acids

Function	:	Cosmetic ingredient for topical use
Shelf Life	:	18 months (when unopened and stored correctly)
Animal Testing	:	This product has never been tested on animals either by us, or on our behalf
Derivation	:	Vegetable / Synthetic
UK REACH	:	Herbs: Exempt under Annex V (paragraph 8 Solvent: In progress Acids: Exempt (less than 1 tonne per annum)
CMR	:	Carcinogenic, mutagenic or reprotoxic ingredients not used or expected to be present
SVHC	:	Substances of Very High Concern listed on SPEC or MSDS where applicable/available
Allergens	:	Relevant levels of the 26 EC-specified fragrance allergens not expected
Nanoparticles	:	Intentionally-manufactured nanoparticles not expected to be present
PROP 65	:	Based on our current knowledge, this product is not expected to contain any chemicals listed by the OEHHA as carcinogenic or reprotoxic
Palm oil / derivatives	:	This product is not made from palm oil or a palm oil derivative
Additives	:	All ingredients listed on SPEC or MSDS (where applicable/available)
Nuts / derivatives	:	No testing is carried out to determine an absolute absence but, unless listed as an ingredient, nuts are not expected to be present in this product
Gluten	:	Not derived from wheat, rye or barley and gluten protein is therefore not expected to be present
BSE/TSE	:	N/A (product contains no animal-derived materials)
CITES	:	Pyrus malus, Citrus limon, Vaccinium myrtillus, Saccharum officinarum and Vitis vinifera are not currently listed on any CITES appendices
Halal	:	This product is made without the use of any animal-derived ingredients, alcohol or GM materials *
ISO 16128	:	Natural index (I_n) = 0 Organic index (I_o) = 0 Natural origin index (I_{no}) = 1 Organic origin index (I_{oo}) = 0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Trade name : AHA Fruit Acid

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Madar Corporation Limited
19 - 20 Sandleheath Industrial Estate
Fordingbridge, SP6 1PA
Tel: +44 (0)1425 655555
Eml: technical@madarcorporation.co.uk

1.4. Emergency telephone number

Emergency number : +44 (0)1425 655555 ((UK office hours only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 1B H314

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS05

Signal word (CLP) : Danger

Hazardous ingredients : GLYCOLIC ACID

Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage

Precautionary statements (CLP) : P260 - Do not breathe mist, spray, vapours
P280 - Wear eye protection, protective gloves, protective clothing
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower
P304+P340 - IF INHALED: Remove person to fresh air and keep 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
P310 - Immediately call Call a POISON CENTER or doctor/physician
P321 - Specific treatment (see supplemental first aid instruction on this label)

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
LACTIC ACID	(CAS No) 50-21-5 (EC no) 200-018-0	< 25	Skin Irrit. 2, H315 Eye Irrit. 2, H319
CITRIC ACID	(CAS No) 77-92-9 (EC no) 201-069-1	< 25	Eye Irrit. 2, H319
GLYCOLIC ACID	(CAS No) 79-14-1 (EC no) 201-180-5	< 25	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318
MALIC ACID	(CAS No) 97-67-6 (EC no) 202-601-5	< 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319
TARTARIC ACID	(CAS No) 87-69-4 (EC no) 201-766-0	< 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth with water. Consult a doctor/medical service if you feel unwell. Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact : Burns.

Symptoms/injuries after eye contact : Serious damage to eyes.

Symptoms/injuries after ingestion : Burns.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.
Hygiene measures	:	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Store locked up. Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls	:	Ensure good ventilation of the work station.
Hand protection	:	Protective gloves
Eye protection	:	Safety glasses
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment
Environmental exposure controls	:	Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Liquid.
Colour	:	No data available
Odour	:	characteristic.
Odour threshold	:	No data available
pH	:	1.6 - 2.4 10% solution
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	1.16 - 1.21
Solubility	:	No data available
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

COSFLOR BLEND 025 EXFOLIANT HG-1	
LD50 oral rat	> mg/kg
LD50 oral	> 2000 mg/kg

citric acid (77-92-9)	
LD50 oral	5400 mg/kg bodyweight (Equivalent or similar to OECD 401, Mouse, Male/female, Experimental value)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value)

Skin corrosion/irritation : Causes severe skin burns and eye damage.
pH: 1.6 - 2.4 10% solution

Serious eye damage/irritation : Serious eye damage, category 1, implicit
pH: 1.6 - 2.4 10% solution

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

COSFLOR BLEND 025 EXFOLIANT HG-1

citric acid (77-92-9)	
LC50 fish 1	440 - 760 mg/l (Equivalent or similar to OECD 203, 48 h, Leuciscus idus, Static system, Fresh water, Experimental value)

12.2. Persistence and degradability

COSFLOR BLEND 025 EXFOLIANT HG-1	
Persistence and degradability	Biodegradable.

citric acid (77-92-9)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.42 g O_2/g substance
Chemical oxygen demand (COD)	0.728 g O_2/g substance

citric acid (77-92-9)	
ThOD	0.686 g O_2/g substance
BOD (% of ThOD)	0.89 (20 day(s), Literature study)

12.3. Bioaccumulative potential

citric acid (77-92-9)	
BCF other aquatic organisms 1	3.2 (Other, Calculated value)
Log Pow	-1.80 - -1.61 (Experimental value)
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

citric acid (77-92-9)	
Ecology - soil	No (test)data on mobility of the substance available.

12.5. Results of PBT and vPvB assessment

Component	
citric acid (77-92-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

ADR	IMDG	IATA
14.1. UN number		
3265	3265	3265
14.2. UN proper shipping name		
CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains Glycolic Acid)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains Glycolic Acid)	Corrosive liquid, acidic, organic, n.o.s. (Contains Glycolic Acid)
UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains Glycolic Acid), 8, II, (E)	UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains Glycolic Acid), 8, II	UN 3265 Corrosive liquid, acidic, organic, n.o.s. (Contains Glycolic Acid), 8, II
14.3. Transport hazard class(es)		
8	8	8
		
14.4. Packing group		
II	II	II
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : C3
Special provisions (ADR) : 274
Limited quantities (ADR) : 1l
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001, IBC02
Mixed packing provisions (ADR) : MP15

Portable tank and bulk container instructions (ADR)	:	T11
Portable tank and bulk container special provisions (ADR)	:	TP2, TP27
Tank code (ADR)	:	L4BN
Vehicle for tank carriage	:	AT
Transport category (ADR)	:	2
Hazard identification number (Kemler No.)	:	80
Orange plates	:	
Tunnel restriction code (ADR)	:	E
EAC code	:	2X
APP code	:	B

- Transport by sea

Special provisions (IMDG)	:	274
Limited quantities (IMDG)	:	1 L
Excepted quantities (IMDG)	:	E2
Packing instructions (IMDG)	:	P001
IBC packing instructions (IMDG)	:	IBC02
Tank instructions (IMDG)	:	T11
Tank special provisions (IMDG)	:	TP2, TP27
EmS-No. (Fire)	:	F-A
EmS-No. (Spillage)	:	S-B
Stowage category (IMDG)	:	B
Stowage and handling (IMDG)	:	SW2
Properties and observations (IMDG)	:	Causes burns to skin, eyes and mucous membranes.

- Air transport

PCA Excepted quantities (IATA)	:	E2
PCA Limited quantities (IATA)	:	Y840
PCA limited quantity max net quantity (IATA)	:	0.5L
PCA packing instructions (IATA)	:	851
PCA max net quantity (IATA)	:	1L
CAO packing instructions (IATA)	:	855
CAO max net quantity (IATA)	:	30L
Special provisions (IATA)	:	A3
ERG code (IATA)	:	8L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

REVISION: 08/09/2020

AHA Fruit Acids

The hydroglycolic extract from Pyrus malus (Apple), Citrus limon (Lemon)
Vaccinium myrtillus (Bilberry), Saccharum officinarum (Sugar Cane) and Vitis vinifera (Grape Leaves)
blended with Alpha Hydroxy Acids (Malic, Citric, Lactic, Glycolic and Tartaric)

APPEARANCE	:	Liquid
ODOUR	:	Characteristic
SPECIFIC GRAVITY @ 20°C	:	1.16 to 1.21
SOLUBILITY IN WATER (5g/100ml)	:	Soluble
pH (10% AQUEOUS SOLUTION @ 20°C)	:	1.6 to 2.4
MICROBIOLOGICAL DATA		
TOTAL PLATE COUNT (CFU/g)	:	100 max
TOTAL FUNGI COUNT (CFU/g)	:	10 max
TYPICAL ACID CONTENT (%)		
LACTIC ACID	:	> 13
CITRIC ACID	:	> 13
GLYCOLIC ACID	:	> 10
MALIC ACID	:	> 4
TARTARIC ACID	:	> 4

INCI NAME	PROPORTIONS		OVERALL % w/w
Pyrus malus (Apple) Fruit Extract	~ 20%	~ 35%	~ 56
Citrus limon (Lemon) Fruit Extract	~ 20%		
Vaccinium myrtillus Fruit Extract	~ 20%		
Saccharum officinarum (Sugar Cane) Extract	~ 20%		
Vitis vinifera (Grape) Leaf Extract	~ 20%		
Propylene Glycol	~ 55%	~ 65%	
Aqua	~ 45%		
Lactic acid		~ 30%	~ 44
Citric acid		~ 30%	
Glycolic acid		~ 22%	
Malic acid		~ 9%	
Tartaric acid		~ 9%	