Certificate of Analysis

Product Code: STEARACID.04.W

Best Before Date: January 2027

Batch Number: 4531409

Product Name: STEARIC ACID!40!

Quantity: BAG

Analysis Parameters	Type	Limit 1	Limit 2	Result
Acid value (mgKOH/g)	R	203	213	206.2
Saponification value (mgKOH/g)	R	204	214	207.3
Iodine value (gI2/100g)	<		2.0	0.22
Titre (OC)	R	53	57.5	57.3
Colour (Lovibond 5 1/4") Y	<		5	0.6
Colour (Lovibond 5 1/4") R	<		0.5	0.1

We confirm that this material conforms to the agreed specification. This certificate is computer generated and therefore does not require a signature.

Key
>: Greater than or equal to
<: Less than or equal to
=: Equals
R: Range
D: Date
T: Text

Product Data Record

Product Information

Product: STEARIC ACID **Surfachem**

Product Code: STEARACID **CAS**

Number: 67701-03-5

INCI: Stearic Acid

Material Origin: VEGETABLE/PLANT

Vegetable/Plant Used: Palm Oil

EINECS: 266-928-5

REACH Status: REGISTERED

REACH Number: Registered: 01-2119543709-29-XXXX

Palm/Palm Kernel Oil Content: PALM

Certified Palm Details: NOT CERTIFIED

Regulatory

Has this product been tested on animals for cosmetic purposes any later than 2009:	No
Has this product been tested on animals for any other purpose:	No
Details of Animal Testing (if applicable):	
Is the material vegetable or synthetically derived and as such not subject to EU legislation regarding TSE/BSE:	Yes
Does this product contain Residual Solvents:	No
Residual Solvent details (if applicable):	
Does the material contain Nanoparticles in accordance to Regulation (EC) 1223/2009?:	No
Does the material contain Allergens according to the Regulation (EC) 1223/2009?:	No
Does this product contain any Genetically Modified Organisms (GMO) and does it fall under the scope of the Regulation (EC) No 1829/2003 on Genetically Modified Food and Feed:	No
Is the material classified as a CMR (carcinogenic, mutagenic & toxic to reproduction substances) in accordance to EU Directive 67/548/EEC:	No
CMR details (if applicable):	N/A
The material contains the following heavy metals:	As, Pb, Ni
Heavy Metal details (if applicable):	Pb < 20 ppm; Ni < 1 ppm; As < 0.5 ppm

Product Suitability

Does the material contain nut/nut products (excluding coconut)?:	No
Does the material contain animal derived ingredients?:	No
Does the material contain latex?:	No
Is the material suitable for vegetarians?:	Yes
Is the material Halal certified?:	No
This material is approved for use in:	EU, USA, CHINA, CANADA, AUSTRALIA
Does the material contain gluten?:	No
Does the material contain ethanol?:	No
Does the material contain shellfish?:	No
Is the material suitable for vegans?:	Yes
Is the material Kosher certified?:	Yes

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

1.1. Product identifier

Trade name	:	STEARIC ACID
IUPAC name	:	Fatty acids, C16-18
EC-No.	:	266-928-5
CAS-No.	:	67701-03-5
REACH registration No.	:	01-2119543709-29
Product code	:	STEARACID
Type of product	:	Fatty acids
Synonyms	:	Stearic acid; Octadecanoic acid

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

1.2.1. Relevant identified uses

Main use category	:	Cosmetic use
Use of the substance/mixture	:	Lubricants and additives
Function or use category	:	Thickener, Stabilisers

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
01425 655 555
technical@madarcorporation.co.uk

1.4. Emergency telephone number

Emergency number : +44 (0) 870 190 6777 (National Emergency Centre);

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

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

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : UVCB

Name	Product identifier	%
Fatty acids, C16-18	CAS-No.: 67701-03-5 EC-No.: 266-928-5 REACH-no: 01-2119543709-29	100

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

First-aid measures after skin contact : Brush off loose particles from skin. Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor.

First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Do not give an unconscious person anything to drink. If you feel unwell, seek medical advice.

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

Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

Symptoms/effects after skin contact : Dust may cause irritation in skin folds or by contact in combination with tight clothing.

Symptoms/effects after eye contact : Dust from this product may cause eye irritation.

Symptoms/effects after ingestion : May cause discomfort.

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.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Dust can form an explosive mixture with air.

Hazardous decomposition products in case of fire : Toxic fumes may be released. See Section 10.

5.3. Advice for firefighters

Firefighting instructions : Contain and collect extinguishing water.

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid dust formation. Keep unnecessary and unprotected personnel away from the spillage.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Take precautionary measures against static discharge. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

Do not discharge into drains or the environment. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Remove all sources of ignition. Sweep up or vacuum up the product. Avoid dust formation.
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

Additional hazards when processed : Dust formation.
Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : 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 in a well-ventilated place. Keep cool. Keep container tightly closed. Store in a dry place. Take precautionary measures against static discharge. Protect from sunlight.
Incompatible materials : See Section 10.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Chemical goggles or face shield

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
Protective gloves against chemicals (EN 374)

8.2.2.3. Respiratory protection

Respiratory protection:
Dust mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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	:	Solid
Colour	:	white. Yellow.
Appearance	:	Waxy. Crystalline.
Odour	:	slight. Waxy.
Odour threshold	:	Not available
Melting point	:	53 – 63 °C
Freezing point	:	Not available
Boiling point	:	200 – 240 °C
Flammability	:	Non flammable.
Explosive properties	:	Dust can form an explosive mixture with air.
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable
Flash point	:	180 – 202 °C (Open cup)
Auto-ignition temperature	:	≈ 350 °C
Decomposition temperature	:	> 204 °C
pH	:	Not available
pH solution	:	Not available
Viscosity, kinematic	:	12 mm²/s @ 70°C
Solubility	:	Water: < 0.05 mg/l at 20 °C
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Partition coefficient n-octanol/water (Log Pow)	:	7.05 – 8.23

Vapour pressure	:	< 0.0000506 Pa 25 °C
Vapour pressure at 50°C	:	Not available
Density	:	0.85 – 0.9 mg/l at 20 °C
Relative density	:	Not available
Relative vapour density at 20°C	:	Not applicable
Particle size	:	Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

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. No polymerization.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Dust formation. Moisture.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

SURFAC STEARIC ACID (67701-03-5)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 434 (Acute Dermal Toxicity - Fixed Dose Procedure)
LC50 Inhalation - Rat	> 0.152 mg/l/4h By analogy

Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
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

SURFAC STEARIC ACID (67701-03-5)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard : Not classified

SURFAC STEARIC ACID (67701-03-5)	
Viscosity, kinematic	12 mm²/s @ 70°C

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Not classified

SURFAC STEARIC ACID (67701-03-5)	
LC50 - Fish [1]	> 1000 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
LC50 - Fish [2]	> 1000 mg/l Leuciscus idus (golden orfe)
EC50 - Crustacea [1]	> 4.8 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	> 32 mg/l Test method EU C.2
EC50 72h - Algae [1]	> 0.9 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	> 0.22 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

SURFAC STEARIC ACID (67701-03-5)	
Persistence and degradability	Readily biodegradable.
Biodegradation	65 % (OECD 301B method)

12.3. Bioaccumulative potential

SURFAC STEARIC ACID (67701-03-5)	
BCF - Other aquatic organisms [1]	225 l/kg By analogy
Partition coefficient n-octanol/water (Log Pow)	7.05 – 8.23

12.4. Mobility in soil

SURFAC STEARIC ACID (67701-03-5)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.12 – 4.17 By analogy

12.5. Results of PBT and vPvB assessment

SURFAC STEARIC ACID (67701-03-5)
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. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. 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.
Sewage disposal recommendations : Avoid direct discharge into drains.
Product/Packaging disposal recommendations : Clean using water and a detergent. Recycle following cleaning.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport
Not regulated

Transport by sea
Not regulated

Air transport
Not regulated

Inland waterway transport
Not regulated

Rail transport
Not regulated

14.7. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
All substances in this product are listed or exempt from the following inventories:
DSL/NDSL
TSCA
MITI (Japan)
KECI
IECSC
PICCS
NZIoC
NECI

Germany

Employment restrictions	:	Observe restrictions according Act on the Protection of Working Mothers (MuSchG). Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).
Water hazard class (WGK)	:	WGK nwg, Non-hazardous to water (Classification according to AwSV; ID No. 661).
Storage class (LGK, TRGS 510)	:	LGK 13 - Non-combustible solids.

Joint storage table :

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for : LGK 1, LGK 6.2, LGK 7.
Joint storage with restrictions permitted for : LGK 4.1A, LGK 5.1C.
Joint storage permitted for : LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 4.3, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13.
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

15.2. Chemical safety assessment

Not required

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

Abbreviations and acronyms:	
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Data sources : ECHA (European Chemicals Agency). Supplier's safety documents.

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

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.

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TECHNICAL SPECIFICATION

Product: STEARIC ACID	
Date: 25/02/2021	Version: 5

Specification

Property	Units	Minimum	Maximum
Acid Value	(mgKOH/g)	203	213
Saponification Value	(mgKOH/g)	204	214
Iodine Value	(gI_2/100g)		2.0
Titre	(°C)	53	57.5
Colour (Lovibond 5 1/4 ")	-		5Y, 0.5R

Description

Surfac STEARIC ACID is a high quality grade of stearic acid.

Features & Benefits

Stearic Acid is mainly used in the production of detergents, soaps, and cosmetics such as shampoos and shaving cream products. Stearic acid is used along with castor oil for preparing softeners in textile sizing.

Typical Properties

Property	Units	Value
Appearance @ 20°C	-	Off white waxy flake or micro-bead
C12	(%)	2.5 max
C14	(%)	2.5 max
C16	(%)	41 – 47
C18	(%)	52 – 58
C20	(%)	1.0 max

Handling & Storage

Store in cool, well ventilated and dry place in closed bags. Avoid inhalation of dust and contact with skin and eyes. Provide adequate ventilation. Dust may form explosive mixture with air. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges.

Stearic Acid - Product Statements

REACH REGULATION STATEMENT
STEARIC ACID is classified as a substance and has been REACH registered registration number 01-2119543709-29-XXXX. In addition, we hereby confirm that SURFAC STEARIC ACID does not contain any Substances of Very High Concern (SVHC).

ALLERGENS (EU Directive 2003/89/EC and 2006/142/EC amendment) STATEMENT
STEARIC ACID does not contain any of the following products: dairy, egg, wheat, gluten, corn, rye, barley, oat, soy, safflower, sunflower, peanut, nuts, sesame seeds monosodium glutamate, hydrolyzed animal protein, hydrolyzed plant protein, yeast, sulphites, fish, shellfish, molluscs, beef, pork, chocolate, ethyl alcohol, mustard, lupin & celery.

BSE/TSE STATEMENT
STEARIC ACID is manufactured from 100% vegetable oil (palm oil) and no raw materials or additives used in the manufacture of SURFAC STEARIC ACID are derived from animal origin. During manufacture or packing SURFAC STEARIC ACID never comes into contact with animal or bovine material. Therefore, any risk that SURFAC STEARIC ACID carries Spongiform or BSE viruses can be excluded.

NON-ANIMAL TESTING DECLARATION
STEARIC ACID has not been tested on animals since 31/12/1985.

CARCINOGENIC, MUTAGENIC, REPROTOXIC (CMR) ATTESTATION
STEARIC ACID does not contain any substances listed CMR 1A, 1B and 2 above the threshold limit in accordance with European Directive 1272/2008/EEC.

GMO FREE STATEMENT
STEARIC ACID is manufactured from100% vegetable oil (palm oil) and no raw materials or additives used in the manufacture of SURFAC STEARIC ACID are derived from GMO materials. Therefore, to the best of our knowledge and belief SURFAC STEARIC ACID is GMO free.

CALIFORNIA PROPOSITION 65 DECLARATION
To the best of our knowledge and belief, STEARIC ACID does not contain any contaminants or bi-products known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

NANOMATERIALS DECLARATION
To the best of our knowledge and belief STEARIC ACID does not contain any materials defined as nanomaterials in accordance with the Cosmetic Regulation 1223/2009/EC.

CERTIFICATE OF ORIGIN
We hereby confirm that STEARIC ACID is manufactured from 100% vegetable oil (palm oil).

HEAVY METALS STATEMENT
SURFAC STEARIC ACID contains:
Heavy metals (as Pb): 20ppm max, Nickel (Ni): 1ppm max Arsenic (As): 0.5ppm max

ICH/VICH/USP GUIDELINES ON RESIDUAL SOLVENTS
In accordance with ICH-guideline CPMP/ICH/283/95, VICH guideline CVMP/VICH/502/99 and USP requirements stated in Residual Solvents <467> together with information in Impurities in Official Articles <1086> the following residual solvents are present:

Class 1, 2, 3: none
USP Residual Solvents <467> table 4 (not limited to class 1, 2, 3 and table 4 solvents listed in USP <467> document): none

MICROBIOLOGY STATEMENT
STEARIC ACID is not expected to contain any microbes due to the nature of the product.

MYCOTOXINS STATEMENT
STEARIC ACID does not contain any mycotoxins.

PESTICIDE RESTICIDE STATEMENT
STEARIC ACID does not contain any pesticides.

IRRADIATION STATEMENT
STEARIC ACID is not subjected to irradiation during the manufacturing process.

DIOXIN STATEMENT
STEARIC ACID does not contain any raw material contaminated with dioxin nor do we believe that the product is contaminated with dioxin by way of the manufacturing process.

POLYCYLIC AROMOATIC HYDROCARBONS (PAH) and POLYCHLORINATED BIPHENYL (PCB) STATEMENT
STEARIC ACID does not contain polycylic aromatic hydrocarbons (PAH) or polychlorinated biphenyl (PCB).

VOLATILE ORGANIC COMPOUND STATEMENT
STEARIC ACID does not contain volatile organic compounds (VOCs).

SECONDARY AMINES, NITROSAMINES & PETROLEUM STATEMENT
STEARIC ACID does not contain any secondary amines, nitrosamines or petroleum products.

MANUFACTURING PLANT CERTIFICATION
The manufacturing plant is GMP, HACCP, Kosher and Halal, certified.

Kind Regards,

04/12//2018