

**SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

**PRODUCT IDENTIFIER**

Product Name	Stepanol DCFAS (Sodium Coco Sulfate) Powder	
INCI Name	Punica Granatum Seed Oil	
CAS Number	84961-57-9	


**DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**

Registered distributor company name	Pure Ingredients Ltd	Pure Nature
Address	626A Rosebank Road, Avondale 1026	626A Rosebank Road, Avondale 1026
Telephone	+64 9 813 5619	+64 813 9412
Website	www.pureingredients.co.nz	www.purenature.co.nz
Email	compliance@pureingredients.co.nz	info@purenature.co.nz

**EMERGENCY TELEPHONE NUMBER**

Association / Organisation	0800 CHEMCALL / 0800 243 622 (24hr)
Emergency telephone numbers	111
Other emergency telephone numbers	0800 764 766

**SECTION 2 HAZARDS IDENTIFICATION**

HSNO Hazard Classification	Acute toxicity – oral, Category 5 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 1 Hazardous to the aquatic environment – acute, Category 2 Hazardous to the aquatic environment – chronic, Category 3	6.1E 6.3A 8.3A 9.1C 9.1D
HSNO Approval Number	Group Standard: HSR002503 - Additives, Process Chemicals & Raw Materials – Subsidiary Hazard	
Hazard Nature	This product is classified as <b>HAZARDOUS</b> under HSNO criteria	
Pictogram(s)		
Signal Word	<b>DANGER</b>	
Hazard Statement(s)	Causes skin irritation. May be harmful if swallowed. Causes serious eye damage. Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Toxic in contact with skin.	
Prevention Statement(s)	Keep container tightly closed. Wash thoroughly after handling. Prevent dust accumulation to minimize explosion hazard. Wear protective gloves. Wear eye/face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Wear eye protection/face protection. Wear protective gloves/protective clothing.	
Response Statement(s)	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/doctor. If on skin: Wash with plenty of water. Specific treatment (see this label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Take off immediately all contaminated clothing and wash it before reuse.	
Storage Statement(s)	Store away from incompatible materials.	
Disposal Statement(s)	Dispose of contents/container in accordance with local/regional/national/international regulations.	
Other hazards which do not result in classification	High concentrations of dust may form explosive mixture with air.	

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

CAS No.	% [weight/volume]	INCI Name
68955-19-1	≥ 60	Sodium C12-18 alkyl sulfate
7732-18-5	≤ 10	Water
67762-25-8	≤ 10	Alcohols, C12-18

**SECTION 4 FIRST AID MEASURES**

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Inhalation	If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.
Skin Contact	Wash clothing separately before reuse. Immediately flush skin with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Eye Contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Immediately call a POISON CENTER or doctor/physician. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center.
Most important symptoms/effects	Dusts may irritate the respiratory tract, skin and eyes.
Indication of immediate medical attention and special treatment needed	In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

**SECTION 5 FIREFIGHTING MEASURES**

Suitable extinguishing media	Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ). Apply extinguishing media carefully to avoid creating airborne dust.
Unsuitable extinguishing media	None known.
Special hazards arising from the chemical	Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.
Special protective equipment for fire-fighters	Wear suitable protective equipment. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Use only non-sparking tools. Use an approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.
Methods for cleaning up	Minimize dust generation and accumulation. Ventilate the contaminated area. Wear appropriate protective equipment and clothing during clean-up. Should not be released into the environment. Prevent product from entering drains. Do not allow material to contaminate ground water system. Small Dry Spills: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Collect dust using a vacuum cleaner equipped with HEPA filter. Following product recovery, flush area with water. For waste disposal, see section 13.
Environmental precautions	Avoid release to the environment. Refer to special instructions/safety data sheets. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

**SECTION 7 HANDLING AND STORAGE**

Precautions for safe handling	Guard against dust accumulation of this material. Keep formation of airborne dusts to a minimum. Do not get this material in contact with eyes. Avoid contact with skin. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with clothing. Do not taste or swallow. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks and open flame. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Store in a closed container away from incompatible materials. Use appropriate container to avoid environmental contamination. Store in a well-ventilated place. Keep container dry. Store away from incompatible materials (see Section 10). Guard against dust accumulation of this material. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Keep away from food, drink and animal feedingstuffs.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

Occupational exposure limits	<b>NZ WES</b>		
	<b>Components</b>	<b>Type</b>	<b>Value</b>
	Sodium Hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m <sup>3</sup>
	<b>Philippines. OELs Threshold Limit Values for Airborne Contaminants</b>		
	<b>Components</b>	<b>Type</b>	<b>Value</b>
	Sodium Hydroxide (CAS 1310-73-2)	TWA	2 mg/m <sup>3</sup>
Appropriate engineering controls	Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. Eye wash facilities and emergency shower must be available when handling this product.		

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

Personal protective equipment	Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Wear respirator with dust filter. Hand protection Wear appropriate chemical resistant gloves. Eye protection Wear eye/face protection. Use tight fitting goggles if dust is generated. Skin and body protection Wear suitable protective clothing.
Environmental exposure controls	Contain spills and prevent releases and observe national regulations on emissions. Environmental manager must be informed of all major releases.
Hygiene measures	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Control parameters	Follow standard monitoring procedures.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Solid	Odour	Not available
Form	Powder	pH	10.5 (1% in water)
Particle size	15 (99% < 75) micrometer	Boiling point	> 100°C
Colour	Off-white	Flash point	> 93.9°C

**SECTION 10 STABILITY AND REACTIVITY**

Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, sparks and open flame. Avoid temperatures exceeding the flash point. Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Minimize dust generation and accumulation.
Incompatible materials	Strong oxidizing agents. Strong acids.
Hazardous decomposition products	Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.

**SECTION 11 TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure	Respiratory organs – Inhalation of dusts may cause respiratory irritation. Mouth – May be harmful if swallowed. Eyes – Causes serious eye damage. Dust in the eyes will cause irritation. Skin – Causes skin irritation.
Delayed, immediate, and chronic effects of short- and long-term exposure	
Acute toxicity	May be harmful if swallowed. Acute Dermal LD50 Rabbit: > 10000 mg/kg Acute Oral LD50 Rat: > 2000 mg/kg
Corrosivity or irritation to skin	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye damage. Dust in the eyes will cause irritation.
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	Causes skin irritation.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Not classifiable as to carcinogenicity to humans.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
STOT – single exposure	N/A
STOT – repeated exposure	N/A
Aspiration hazard	N/A

**SECTION 12 ECOLOGICAL INFORMATION**

Ecotoxicological data	EC50 Algae: 42 mg/l 72 hours EC50 Daphnia: 56 mg/l 48 hours LC50 Fish: 3 - 20 mg/l 96 hours
Persistence & degradability	Expected to be readily biodegradable.
Bio-accumulative potential	No data available.
Mobility in soil	Not available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**SECTION 13 DISPOSAL CONSIDERATION**

Disposal methods	Dispose of contents/container in accordance with local/regional/national/international regulations.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Avoid discharge into water courses or onto the ground.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**SECTION 14 TRANSPORT INFORMATION**

Transport	Road & Rail	Marine (IMDG)	Air (IATA)
	Not regulated as dangerous goods.	Not regulated as dangerous goods.	Not regulated as dangerous goods.

**SECTION 15 REGULATORY INFORMATION**

Group Standard	HSR002503 - Additives, Process Chemicals & Raw Materials – Subsidiary Hazard
HSNO Controls	SDS required when any quantity is present in a workplace. Emergency Response Plan required when >1000kg is present in a workplace. Corrosive Signage required when >1000kg is stored. Ecotoxic signage required when >1000kg is stored. Certified Handler: Not Required Tracking: Not Required
All ingredients are on the New Zealand Inventory of Chemicals (NZIoC), or exempt.	
Any existing national regulations on the handling of dangerous substances should be observed. Controls for hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will need to take into account aggregate quantities. Contact a WorkSafe approved Compliance Certifier for further information and guidance.	

**SECTION 16 OTHER INFORMATION**

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Reference: supplier's SDS.

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