SODIUM COCOYL ISETHIONATE CHIPS SAFETY DATA SHEET

SECTION 1: MATERIAL & SUPPLY COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: Sodium Cocoyl Isethionate Chips
Chemical Name: Sodium Cocoyl Isethionate
CAS Number.: 61789-32-0
EC Number: 263-052-5

1.2 Relevant identified uses of the substance or mixture

Industry Sector: Personal Care
Type of Use: Surface active agent for cosmetics

1.3 Supplier Details

Supplier: Heirloom Body Care Pty Ltd
Address: Unit 9, 28 Coombes Drive Penrith NSW 2750 Australia
Telephone: 02 4722 2123
Fax 02 4722 2904

1.4 Information in case of emergency

Poisons Information Centre 13 11 26

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance / preparation

GHS Classification

Serious eye damage/eye irritation: Category 2A

GHS label elements

Hazard pictograms :

Signal word: Warning

Hazard statements: H319 Causes serious eye irritation.

Precautionary statements

Prevention:

P264 Wash skin thoroughly after handling.

P280 Wear eye protection/ face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

Risk of dust explosion.

SECTION 3: PRODUCT COMPOSITION

3.1 Chemical Identification:

Substance / Mixture: Substance

3.2 Hazardous Components:

Chemical Name	CAS No	Concentration (% w/w)
Coconut fatty acid isethionate, Na-salt	61789-32-0	80-90
Other ingredients determined not to be hazardous	Not assigned	>=10

SECTION 4: FIRST AID

4.1 Description of first aid measures

General Advice	▪ Remove/Take off immediately all contaminated clothing. ▪ For advice, contact a Poisons Information Centre (Phone Australia 131126) or a doctor
Eye Contact:	If this product comes in contact with eyes: ▪ Wash out immediately with water. ▪ If irritation continues, seek medical attention. ▪ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact:	If skin or hair contact occurs: ▪ Flush skin and hair with running water . ▪ Seek medical attention in event of irritation. ▪
Inhalation:	▪ If inhaled remove to fresh air ▪ Get medical advice/attention
Ingestion:	▪ Get medical advice/attention
Notes to physician	Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media

- Water spray jet
- Foam

5.2 Unsuitable Extinguishing Media

- Dry powder
- Carbon dioxide (CO2)
- High volume water jet

5.3 Special hazards arising from the substance or mixture

In case of fire hazardous decomposition products may be products such as

- Sulphur dioxide (SO2)
- Sulphur trioxide
- Emits toxic and corrosive fumes under fire conditions
- Risk of dust explosion in fine crystalline powder form

5.4 Special protective equipment for firefighters

Self contained breathing apparatus

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid dust formation
- Wear suitable protective equipment

6.2 Environmental precautions

- Do not allow to enter drains or waterways

6.3 Methods and materials for containment and cleaning up

- Pick up mechanically
- Rinse rest away with water

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	▪ Handle and open container with care ▪ Avoid dust formation ▪ Avoid dust accumulation in enclosed space.
Hygiene measures	▪ Wash hands before breaks and at the end of workday. ▪ Use protective skin cream before handling the product ▪ Take off immediately all contaminated clothing and wash it before refuse.
Technical measures/precautions	▪ Keep containers tightly closed in a cool, well-ventilated place ▪ Handle and open container with care

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Components with workplace control parameters

Personal protective equipment

Respiratory protection: Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure
Full mask to standard DIN EN 136

Respirator with a particle filter (EN 143)
The use of filter apparatus presupposes that the environment atmosphere contains at least 17% oxygen by volume, and does not exceed the maximum gas concentration, usually 0.5% by volume. Relevant guidelines to be considered include EN 136/141/143/371/372 as well as other national regulations

Hand protection

Remarks: Long-term exposure Impervious butyl rubber gloves Minimum thickness (glove): not determined With solid dry substances permeation is not to be expected, therefore the breakthrough time for this protective glove has not been measured.

For short-term exposure (splash protection): Nitrile rubber gloves. Minimum thickness (glove): not determined With solid dry substances permeation is not to be expected, therefore the breakthrough-time for this protective glove has not been measured.

These types of protective gloves are offered by various manufacturers. Please note the manufacturers´ detailed statements, especially about the minimum thickness and

	the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.
Eye protection:	Depending on the risk, wear sufficient eye protection (safety glasses with side protection or goggles, and if necessary, face shield.)
Protective measures:	Avoid contact with skin and eyes. Do not breathe dust.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance	Flakes
Colour:	White
Odour:	Characteristic
pH	5 - 6.5 Concentration: 10% Determined as a 10% suspension in distilled water
Melting point	179-180ºC
Boiling point:	>200ºC
Flash point:	>100ºC
Evaporation rate	Not Tested
Flammability (solid, gas):	Not determined
Self ignition	240ºC
Upper & lower flammability or explosive limits:	Not applicable
Combustion number	BZ3 Local combustion without spreading
Vapour pressure:	<0.001 mbar (25ºC)
Relative Vapour Density	Not tested
Density	Not applicable
Bulk Density	500kg/m3
Solubility(ies) Water solubility	Practically insoluble (20ºC
Solubility in other solvents	Slightly soluble
Partition coefficient: noctanol/water	log Pow: -0.41
Auto-ignition temperature	Not applicable
Decomposition temperature	313ºC
Viscosity **Viscosity, dynamic**	Not applicable
Viscosity, kinematic	Not tested
Explosive properties	no data available
Oxidizing properties	not oxidizing
Dust explosion class	ST1 Capable of dust explosion
Minimum ignition energy	not tested
Particle size	not tested

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

See section 10.3. "Possibility of hazardous reactions"

10.2 Stability

Stable

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Stable

10.4 Conditions to avoid

None known

10.5 Incompatible materials

not known

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed

SECTION 11: **TOXICOLOGICAL INFORMATION**

Acute toxicity
Product:

Acute oral toxicity :	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity :	Remarks: not tested.
Acute dermal toxicity :	Remarks: not tested.

Skin corrosion/irritation
Product:
Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation
Serious eye damage/eye irritation
Product:
Species: rabbit eye
Result: irritating
Method: OECD Test Guideline 405
Respiratory or skin sensitisation
Product:
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Did not cause sensitisation on laboratory animals.
Chronic toxicity
Germ cell mutagenicity
Product:

Germ cell mutagenicity - Assessment	: Not mutagenic in Ames Test

Carcinogenicity
Product:

Carcinogenicity - Assessment:	No information available.

Reproductive toxicity
Product:

Reproductive toxicity - Assessment:	No information available.

No information available.
STOT - single exposure
Product:
Remarks: not tested.
STOT - repeated exposure
Product:
Remarks: not tested.
Repeated dose toxicity
Product:
Remarks: not tested.

SECTION 12: **ECOLOGICAL INFORMATION**

12.1 Ecotoxicity

Product:

Toxicity to fish:	LC50 (Danio rerio (zebra fish)): 10 - 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates:	EC50 (Daphnia magna (Water flea)): 30 mg/l Exposure time: 48 h Method: DIN 38412 T.11
Toxicity to algae :	EC10 (Pseudokirchneriella subcapitata (algae)): 0.3 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to microorganisms :	EC50: > 1,000 mg/l Method: OECD Test Guideline 209

12.2 Persistence and degradability

Product:

Biodegradability :	Biodegradation: > 80 % Exposure time: 28 d Method: OECD Test Guideline 301E

12.3 Bio-accumulative potential

Bioaccumulation :	Remarks: Due to the low logPow bioaccumulation is not expected

12.4 Mobility in soil

Product:

Distribution among environmental compartments:	Remarks: not tested.

Other adverse effects

Product:

Environmental fate and pathways:	Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
Results of PBT and vPvB assessment:	Remarks: The substance does not meet the criteria for PBT or vPvB substance.
Additional ecological information:	no data available

SECTION 13: **DISPOSAL CONSIDERATIONS**

13.1 Disposal methods

Waste from residues : In accordance with local authority regulations, take to special waste incineration plant

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

SECTION 14: **TRANSPORT INFORMATION**

ADG not restricted
IATA not restricted
IMDG not restricted

SECTION 15: **REGULATORY INFORMATION**

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

VDI 2263 "Dust fires and explosions; Danger, Evaluation, Protection measures"
Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.
All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).
Poison schedule (SUSMP): None allocated

SECTION 16: **OTHER INFORMATION**

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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