

SECTION 1: Product identifier**1.1. GHS Product identifier**

Product form : Mixture
Trade name : Aeriol ThixOSYN
Product code : 3820-2, 3820-3, 3821-0, 3822-0, 3823-0

1.2. Other means of identification

Other means of identification : Bell Part # C-172

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Grease
multi uses
Professional uses
Restrictions on use : No additional information available

1.4. Details of manufacturer or importer**Supplier**

Awsum Outcomes Inc
Bay 5, 409 38th Avenue NE
Calgary Alberta T2E 6R9
Canada
T 1 587-353-2000; Toll Free: 1-844-512-4093
info@awsum.global - www.awsum.global


1.5. Emergency phone number

Emergency number : Toll Free 1-844-512-4093 M-F 8 am-4 pm (English only)

SECTION 2: Hazard identification**2.1. Classification of the hazardous chemical****Classification according to the model Work Health and Safety Regulations (WHS Regulations)**

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2A	H319
Skin sensitisation, Category 1	H317

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) : 
Exclamation mark

Signal word (GHS AU) : Warning

Contains : polysulfides, di-tert-dodecyl ($\geq 1 - < 2.5$ %); benzenesulfonic acid, C10-16-alkyl derivs., calcium salts ($\geq 1 - < 5$ %); benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts ($\geq 1 - < 5$ %); calcium dodecylbenzenesulphonate ($\geq 1 - < 3$ %)

Hazard statements (GHS AU) : H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Precautionary statements (GHS AU) : P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Aeriol ThixOSYN

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

P333+P313 - If skin irritation or rash occurs: Get medical advice, medical attention.
P337+P313 - If eye irritation persists: Get medical advice, medical attention.
P501 - Dispose of contents and container to a collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Name	CAS-No.	Conc.	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	≥ 1 – < 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317
benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0	≥ 1 – < 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317
calcium dodecylbenzenesulphonate	26264-06-2	≥ 1 – < 3	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318
polysulfides, di-tert-dodecyl	68425-15-0	≥ 1 – < 2.5	Skin Sens. 1B, H317
Other substances (not contributing to the classification of this product)	-	87	-

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: If medical advice is needed, have product container or label at hand. Never give anything by mouth to an unconscious person.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Gently wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash 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 eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.

4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Causes skin irritation. May cause an allergic skin reaction. Redness. Itching. Swelling. Skin rash/inflammation.
Symptoms/effects after eye contact	: Causes serious eye irritation. Redness. Lacrimation. Itching. Blurred vision.
Symptoms/effects after ingestion	: Ingestion may cause nausea, vomiting and diarrhea. Abdominal pain.

4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical. Carbon dioxide (CO ₂). Foam. Use extinguishing agent suitable for surrounding fire.
Unsuitable extinguishing media	: Do not use a heavy water stream.

Aeriol ThixOSYN

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

5.2. Specific hazards arising from the chemical

- Fire hazard : Presents no particular fire or explosion hazard. Burning produces stinking and toxic fumes. Do not breathe fumes from fires or vapours from decomposition.
- General measures : Avoid all contact with skin, eyes, or clothing.
- Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Metal oxides. Carbonyl halides. Sulfur oxides (SOx). Nitrogen oxides.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Evacuate the danger area. Fight fire from safe distance and protected location. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. Use extinguishing media appropriate for surrounding fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Wear a self contained breathing apparatus. Wear fire/flammable resistant/retardant clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid all contact with skin, eyes, or clothing.

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Evacuate unnecessary personnel. Ventilate spillage area. Avoid contact with skin and eyes. Do not touch or walk on the spilled product. No action shall be taken without appropriate training or involving any personal risk.

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".
- Emergency procedures : Evacuate unnecessary personnel. Avoid breathing (dust, vapor, mist, gas).

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

- For containment : Stop leak without risks if possible. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Move containers from spill area. Mechanically recover the product. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Clean using water and a detergent. Flush residue with large amounts of water. Prevent entry to sewers and public waters.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Ensure good ventilation of the work station. Provide local exhaust or general room ventilation. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Do not re-use container for any purpose.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

Aeriol ThixOSYN

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Incompatible materials, Direct sunlight. Store in a dry place. Keep away from food, drink and animal feedingstuffs. Keep container tightly closed. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store in accordance with local, regional, national or international regulation. Do not store in unlabelled containers.
Incompatible products	: Strong oxidizing agents.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

No additional information available

8.2. Monitoring methods

Monitoring methods	: Refer to all applicable national, international and local regulations or provisions.
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8.3. Engineering controls

Appropriate engineering controls	: Provide local exhaust or general room ventilation. Handle in accordance with good industrial hygiene and safety procedures. Avoid all unnecessary exposure. Ensure exposure is below occupational exposure limits (where available).
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8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment	: Wear recommended personal protective equipment.
Hand protection	: Wear suitable gloves resistant to chemical penetration. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer
Eye protection	: Chemical goggles or safety glasses
Skin and body protection	: Wear suitable protective clothing. Skin protection appropriate to the conditions of use should be provided
Respiratory protection	: Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment
Environmental exposure controls	: Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil. Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state	: Solid
Appearance	: Paste. Grease.
Colour	: Tan
Odour	: Mild odor petroleum
Odour threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Melting point: > 300 °C (> 572 °F) Freezing point: > -40 °C (> -40 °F)
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Flammability	: No data available
Vapour pressure	: 0 kPa (20 °C)
Relative density	: No data available
Density	: 0.95 – 1.05 g/cm ³ (25 °C)
Solubility	: Water : Negligible.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available

Aeriol ThixOSYN

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Fat solubility : No data available
Viscosity, apparent : 200 P (0°C, 32 °F, 200 s⁻¹, Poise, D1092)

SECTION 10: Stability and reactivity

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability : Stable under normal conditions of use.
Possibility of hazardous reactions : Hazardous polymerisation: Will not occur. No dangerous reactions known.
Conditions to avoid : None under recommended storage and handling conditions (see section 7).
Incompatible materials : Strong oxidizing agents.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

polysulfides, di-tert-dodecyl (68425-15-0)

LD50 oral rat	> 2500 mg/kg
LD50 dermal rat	> 2000 mg/kg

calcium dodecylbenzenesulphonate (26264-06-2)

LD50 oral rat	1300 mg/kg
LD50 dermal rabbit	> 4199 mg/kg

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : May cause an allergic skin reaction.
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
Other information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

polysulfides, di-tert-dodecyl (68425-15-0)

NOEC chronic fish	> 0.00084 mg/l (32 d, Pimephales promelas)
NOEC chronic crustacea	> 0.00079 mg/l (21 d, Daphnia magna)
NOEC chronic algae	> 100 mg/l (72 d, Pseudokirchneriella subcapitata)
Partition coefficient n-octanol/water (Log Pow)	> 6.2 (pH=7, 72 °C)

Aeriol ThixOSYN

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

calcium dodecylbenzenesulphonate (26264-06-2)	
LC50 - Fish [1]	22 mg/l (96 h, Pimephales promelas, OECD 203)
EC50 - Crustacea [1]	2.5 mg/l (48 h, Daphnia magna, OECD 202)
BCF - Fish [1]	104 (21 d, Lepomis macrochirus)
Partition coefficient n-octanol/water (Log Pow)	4.77 (25 °C)

12.2. Persistence and degradability

Aeriol ThixOSYN	
Persistence and degradability	Biodegradability in water: no data available.
polysulfides, di-tert-dodecyl (68425-15-0)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	0 % (28 d)
calcium dodecylbenzenesulphonate (26264-06-2)	
Persistence and degradability	Readily biodegradable.
Biodegradation	73 % (28 d)

12.3. Bioaccumulative potential

Aeriol ThixOSYN	
Bioaccumulative potential	No data available concerning bioaccumulation.
polysulfides, di-tert-dodecyl (68425-15-0)	
Partition coefficient n-octanol/water (Log Pow)	> 6.2 (pH=7, 72 °C)
calcium dodecylbenzenesulphonate (26264-06-2)	
BCF - Fish [1]	104 (21 d, Lepomis macrochirus)
Partition coefficient n-octanol/water (Log Pow)	4.77 (25 °C)

12.4. Mobility in soil

Aeriol ThixOSYN	
Ecology - soil	No additional information available.
polysulfides, di-tert-dodecyl (68425-15-0)	
Partition coefficient n-octanol/water (Log Pow)	> 6.2 (pH=7, 72 °C)
calcium dodecylbenzenesulphonate (26264-06-2)	
Partition coefficient n-octanol/water (Log Pow)	4.77 (25 °C)

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available.

Aeriol ThixOSYN	
Fluorinated greenhouse gases	False
polysulfides, di-tert-dodecyl (68425-15-0)	
Fluorinated greenhouse gases	False
benzenesulfonic acid, C10-16-alkyl derivs., calcium salts (68584-23-6)	
Fluorinated greenhouse gases	False

Aeriol ThixOSYN

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0)

Fluorinated greenhouse gases : False

calcium dodecylbenzenesulphonate (26264-06-2)

Fluorinated greenhouse gases : False

SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Disposal must be carried out using appropriate EWC code.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecological information : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

ADG	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

Specific storage requirement : No data available

Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

Aeriol ThixOSYN

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

15.2. International agreements

No additional information available

SECTION 16: Other information

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

Classification

Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317

Full text of H-statements

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation

Safety Data Sheet (SDS), Australia

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.