

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Trade name : Aeriol ThixOSYN
Product code : 3820-2, 3820-3, 3821-0, 3822-0, 3823-0
Other means of identification : Bell Part # C-172

1.2. Recommended use and restrictions on use

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

1.3. Supplier

Supplier

Awsun 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

1.4. Emergency telephone 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 substance or mixture

Classification (GHS CA)

| | | |
|--|------|-------------------------------------|
| Serious eye damage/eye irritation Category 2 | H319 | Causes serious eye irritation |
| Skin sensitization, Category 1 | H317 | May cause an allergic skin reaction |

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA) :



Signal word (GHS CA) :

Warning

Hazard statements (GHS CA) :

H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Precautionary statements (GHS CA) :

P261 - Avoid breathing vapors.
P264 - Wash hands thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, eye 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.
P321 - Specific treatment (see supplemental first aid instruction on this label).

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P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents/container to a collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % (w/w) | Classification (GHS CA) |
|--|--------------------------|---------------------|---------|--|
| benzenesulfonic acid, C10-16-alkyl derivs., calcium salts | - | CAS-No.: 68584-23-6 | 1 - 5 | Skin Sens. 1B, H317 |
| benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | - | CAS-No.: 70024-69-0 | 1 - 5 | Skin Sens. 1B, H317 |
| calcium dodecylbenzenesulphonate | - | CAS-No.: 26264-06-2 | 1 - 5 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 |
| polysulfides, di-tert-dodecyl | - | CAS-No.: 68425-15-0 | 1 - 5 | Skin Sens. 1B, H317 |

Full text of hazard classes and H-statements : see section 16

Comments : The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with the amended HPR as of April 2018

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. 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.

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.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Not expected to present a significant hazard under anticipated conditions of normal use.

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| | |
|-------------------------------------|--|
| Symptoms/effects after skin contact | : 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. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

| | |
|------------------------------|---|
| Suitable extinguishing media | : Dry chemical. Carbon dioxide (CO ₂). Foam. Use extinguishing agent suitable for surrounding fire. |
|------------------------------|---|

5.2. Unsuitable extinguishing media

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

5.3. Specific hazards arising from the hazardous product

| | |
|--|---|
| Fire hazard | : Presents no particular fire or explosion hazard. Burning produces stinking and toxic fumes. Do not breathe fumes from fires or vapors from decomposition. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Metal oxides. Carbonyl halides. Sulfur oxides (SO _x). Nitrogen oxides. |

5.4. 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 environment. |
| Protection during firefighting | : Wear a self contained breathing apparatus. Wear fire/flamm 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. |
|------------------|---|

6.2. Methods and materials for containment and cleaning up

| | |
|-------------------------|---|
| For containment | : Stop leak, if possible without risk. 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. |
| Other information | : Dispose of via an authorised person/ licensed waste disposal contractor or by other suitable waste treatment techniques. Dispose of materials or solid residues at an authorized site. |

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

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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.

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 feedingsuffs. 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/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate 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).
- Environmental exposure controls : Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil. Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment. Personal protective equipment should be chosen according to the NIOSH standards and in discussion with the supplier of the 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

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Respiratory protection:

Where excessive vapor, mist, or dust may result, use approved respiratory protection equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|--|
| Physical state | : Solid |
| Appearance | : Paste. Grease. |
| Color | : Tan |
| Odor | : Mild odor petroleum |
| Odor threshold | : No data available |
| pH | : Not applicable |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Relative evaporation rate (ether=1) | : No data available |
| Melting point | : > 300 °C (> 572 °F) |
| Freezing point | : > -40 °C (> -40 °F) |
| Boiling point | : No data available |
| Flash point | : Not applicable |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapor pressure | : 0 kPa (20 °C, 68 °F) |
| Relative vapor density at 20°C | : No data available |
| Relative density | : No data available |
| Density | : 0.95 – 1.05 g/cm ³ (25 °C, 77 °F) |
| Solubility | : Water : Negligible. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : Not applicable |
| Explosion limits | : Not applicable |

9.2. Other information

Additional information : 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 polymerization: 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. |
| Hardening time: | : No additional information available |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

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| 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 |
| ATE CA (oral) | 500 mg/kg body weight |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitization | : 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 |
| Symptoms/effects after inhalation | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after skin contact | : 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. |
| 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

12.1. Toxicity

| | |
|---|------------------|
| 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) |
| 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) |

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) |

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| 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. |

12.5. Other adverse effects

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

SECTION 13: Disposal considerations

13.1. Disposal methods

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

14.1. UN number

UN-No. (TDG) : Not regulated
DOT NA No : Not regulated
UN-No. (IMDG) : Not regulated
UN-No. (IATA) : Not regulated

14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not regulated
Proper Shipping Name (DOT) : Not regulated
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated

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14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG) : Not regulated

DOT

Transport hazard class(es) (DOT) : Not regulated

IMDG

Transport hazard class(es) (IMDG) : Not regulated

IATA

Transport hazard class(es) (IATA) : Not regulated

14.4. Packing group

Packing group (TDG) : Not regulated

Packing group (DOT) : Not regulated

Packing group (IMDG) : Not regulated

Packing group (IATA) : Not regulated

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG

Not regulated

DOT

Not regulated

IMDG

Not regulated

IATA

Not regulated

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. National regulations

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

Listed on the Canadian DSL (Domestic Substances List)

benzenesulfonic acid, C10-16-alkyl derivs., calcium salts (68584-23-6)

Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the Canadian DSL (Domestic Substances List)

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according to the Hazardous Products Regulation (February 11, 2015)

calcium dodecylbenzenesulphonate (26264-06-2)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

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Not listed on the United States TSCA (Toxic Substances Control Act) inventory

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

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

benzenesulfonic acid, C10-16-alkyl derivs., calcium salts (68584-23-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

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

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

calcium dodecylbenzenesulphonate (26264-06-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

SECTION 16: Other information

Revision date : 02-09-2024

Supersedes : 07-15-2019

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

Training advice : Training staff on good practice.

Full text of H-phrases:

| | |
|------|-------------------------------------|
| 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), Canada

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.