

SAFETY DATA SHEET



ENCAP FINE FABRIC

ACTICHEM PTY LTD

Catalogue number: CS464

Version No: 3.2.1

Issue date 16/04/2025

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

Product Identifier

| | |
|--------------|-------------------|
| Product name | ENCAP FINE FABRIC |
| Product code | CS464 |
| Pack sizes | 5L & 20L |

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

| | |
|--------------------------|--|
| Relevant identified uses | Encapsulating detergent for fine fabrics and area rugs |
|--------------------------|--|

Details of the manufacturer/importer

| | | |
|-------------------------|---|--|
| Registered company name | ACTICHEM PTY LTD | CLEANING SYSTEMS LIMITED |
| Address | 11 Gamma Close, Beresfield 2322 NSW Australia | 331A East Tamaki Road, East Tamaki, Auckland, 2013, NZ |
| Telephone | (02) 4966 5516 | +64 9579 4114, 0800 100 117 |
| Website | www.actichem.com.au | www.cleaningsystems.co.nz |
| Email | info@actichem.com.au | sales@cleaningsystems.co.nz |

Emergency telephone number

| | |
|-----------------------------------|----------------------------|
| Association / Organisation | National Poisons Centre |
| Emergency telephone numbers | 0800-764-766 (0800 POISON) |
| Other emergency telephone numbers | Not Available |

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the criteria of New Zealand HSNO Hazardous Substances (Hazard Classification) Notice 2020 and New Zealand NZS5433..

| | |
|-----------------------|---|
| Poisons Schedule | Not Applicable |
| Hazard Classification | Serious Eye Damage/Irritation Category 1 |
| | Classification drawn from HCIS, ECHA C&L Inventory and HSNO CCID. |

Label elements

| | |
|------------------|--|
| Hazard pictogram | |
|------------------|--|

| | |
|-------------|--------|
| SIGNAL WORD | DANGER |
|-------------|--------|

Hazard statement(s)

| | |
|------|---------------------------|
| H318 | Causes serious eye damage |
|------|---------------------------|

Precautionary statement(s) Prevention

| | |
|------|--|
| P280 | Wear protective gloves and eye protection. |
|------|--|

Precautionary statement(s) Response

| | |
|---------------------|--|
| P305+P310+P351+P338 | IF IN EYES: Immediately call a POISON CENTRE or doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
|---------------------|--|

Precautionary statement(s) Storage

Not applicable

Precautionary statement(s) Disposal

Not applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures.

Mixtures

| CAS No | %[weight] | Name |
|--------------|-----------|-------------------------------|
| 67-63-0 | <10 | <u>isopropanol</u> |
| Trade secret | 10-~30 | <u>Proprietary polymer A</u> |
| Trade secret | <10 | <u>Proprietary polymer B</u> |
| 151-21-3 | <10 | <u>sodium lauryl sulphate</u> |
| Trade secret | <10 | <u>Proprietary ingredient</u> |

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 FIRST AID MEASURES

Description of first aid measures

| | |
|---------------------|--|
| Eye Contact | If this product comes in contact with the eyes: Without delay seek medical advice/attention Wash out immediately with fresh running water for 10-15 minutes. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |
| Skin Contact | If skin contact occurs: Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation. |
| Inhalation | If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary. |
| Ingestion | Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor. |

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

| | |
|----------------------------|---|
| Extinguishing media | The product contains a substantial amount of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas |
|----------------------------|---|

Special hazards arising from the substrate or mixture.

| | |
|-----------------------------|------------|
| Fire incompatibility | None known |
|-----------------------------|------------|

Advice for firefighters

| | |
|------------------------------|---|
| Fire Fighting | Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves in the event of a fire. Prevent, by any means available, spillage from entering drains or water courses. Use firefighting procedures suitable for surrounding area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. |
| Fire/Explosion Hazard | The material is not readily combustible under normal conditions. However, it will break down under fire conditions and the organic component may burn. Not considered to be a significant fire risk. Heat may cause expansion or decomposition with violent rupture of containers emit acid smoke. Decomposes on heating and produces toxic fumes of: carbon monoxide (CO), carbon dioxide (CO2), phosphorus oxides (POx) and other pyrolysis products typical of burning organic material May emit corrosive fumes. |

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

| | |
|---------------------|--|
| Minor Spills | Flush away with copious amounts of water. |
| Major Spills | Prevent, by any means available, spillage from entering drains or water course. Stop leak if safe to do so. Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labelled drums and dispose of according to local government regulations. Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle. |
| PPE | Personal Protective Equipment advice is contained in Section 8 of the SDS. |

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

| | |
|-------------------|---|
| Safe handling | Avoid all personal contact. Wear eye protection when risk of exposure occurs. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. |
| Other information | |

Conditions for safe storage, including any incompatibilities

| | |
|-------------------------|---|
| Suitable container | Polyethylene or polypropylene container. Packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks. |
| Storage incompatibility | None known |


SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

| Source | Ingredient | Material name | TWA | STEL | Notes |
|-------------------------------------|-------------|-------------------|---------------------------------|----------------------------------|---------------|
| EH40/2005 Workplace Exposure Limits | Propan-2-ol | Isopropyl alcohol | 400 ppm / 999 mg/m ³ | 1250 mg/m ³ / 500 ppm | Not Available |

Exposure controls

| | |
|----------------------------------|---|
| Appropriate engineering controls | Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate. If ventilation is poor, then the use of a local exhaust ventilation system is recommended. |
| Personal protection |  |
| Eye and face protection | Safety glasses with side shields OR Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. |
| Skin protection | See Hand protection below |
| Hands/feet protection | Wear chemical protective gloves. Neoprene or butyl are recommended for this application. |
| Body protection | See Other protection below |
| Other protection | Barrier cream. Skin cleansing cream. Eye wash unit. |
| Thermal hazards | Not Available |

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|--|-------------------------|---|---------------|
| Appearance | Clear tan yellow liquid | | |
| Physical state | Liquid | Relative density (Water = 1) | 1 |
| Odour | Baby powder | Partition coefficient n-octanol / water | Not Available |
| Odour threshold | Not Available | Auto-ignition temperature (°C) | Not Available |
| pH (as supplied) | 5.5 - 6.0 | Decomposition temperature | Not Available |
| Melting point / freezing point (°C) | Not Available | Viscosity (cSt) | Not Available |
| Initial boiling point and boiling range (°C) | 100 | Surface Tension (dyn/cm or mN/m) | Not Available |
| Flash point (°C) | Not Applicable | Taste | Not Available |
| Evaporation rate | Not Available | Explosive properties | Not Available |
| Flammability | Not Applicable | Oxidising properties | Not Available |
| Upper Explosive Limit (%) | Not Applicable | Molecular weight (g/mol) | Not Available |
| Lower Explosive Limit (%) | Not Applicable | Volatile Component (%vol) | Not Available |
| Vapour pressure (kPa) | Not Available | Gas group | Not Available |
| Solubility in water (g/L) | Miscible | pH as a solution (1%) | Not Available |
| Vapour density (Air = 1) | Not Available | VOC g/L | Not Available |

SECTION 10 STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Reactivity | See section 7 |
| Chemical stability | Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur. |
| Possibility of hazardous reactions | See section 7 |
| Conditions to avoid | See section 7 |
| Incompatible materials | See section 7 |
| Hazardous decomposition products | See section 5 |

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

| | |
|--------------|---|
| Inhaled | The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational |
| Ingestion | The material has NOT been classified by EC Directives or other classification systems as 'harmful by ingestion'. This is because of the lack of corroborating animal or human evidence. |
| Skin Contact | This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected. |
| Eye | This material can cause eye irritation and damage in some persons. |
| Chronic | No relative data listed. |

Toxicological effects of ingredients

| | | |
|------------------------|--------------------------------|--|
| sodium lauryl sulphate | Acute toxicity | Oral LD50 (rat) 977 mg/kg Dermal LD50 (rabbit) 580 mg/kg |
| | Skin corrosion/irritation | Rabbit, 4 hour patch test, 25%: Strong erythema and edema (Data on sodium dodecyl sulfate)(48) |
| | Eye damage/irritation | Rabbit, Draize test, 20%: Strongly irritating (Data on sodium dodecyl sulfate)(48) |
| | Respiratory/skin sensitization | Guinea pig, Buehler Test: Negative (Data on sodium dodecyl sulfate)(48) |
| | Germ cell mutagenicity | Ames test (TA98, TA100, WP2try-): Negative / Rec-assay (H17, M45): Negative |
| | Carcinogenicity | AS (Alcohol Sulphates) are not carcinogenic |
| | Reproductive toxicity | No Data Available |
| | STOT (single exposure) | No Data Available |
| | STOT (repeated exposure) | No Data Available |
| | Aspiration toxicity | No Data Available |
| isopropanol | Acute toxicity | Oral LD50 (rat) 5045 – 5840 mg/kg Dermal LD50 (rabbit) 12800 mg/kg Inhalation LC50 (rat) 16000 ppm/8h |
| | Skin corrosion/irritation | May be irritating to skin |
| | Eye damage/irritation | Causes serious eye irritation |
| | Respiratory/skin sensitization | Not expected to be a sensitizer |
| | Germ cell mutagenicity | Not considered to be a mutagenic hazard |
| | Carcinogenicity | Not considered to be a carcinogenic hazard. |
| | Reproductive toxicity | Not considered to be toxic to reproduction |
| | STOT (single exposure) | May cause drowsiness or dizziness |
| | STOT (repeated exposure) | Not expected to cause toxicity to a specific organ |
| | Aspiration toxicity | Not expected to be an aspiration hazard |
| Proprietary polymer A | Acute toxicity | ALD (rat) >11000 mg/kg Inhalation ALC (rat) >1417 mg/l (4hr) |
| | Skin corrosion/irritation | Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis. |
| | Eye damage/irritation | Causes eye irritation |
| | Respiratory/skin sensitization | It is not a skin sensitizer. |
| | Germ cell mutagenicity | There is no evidence of mutagenic potential |
| | Carcinogenicity | It is unlikely to present a carcinogenic hazard to man. (NTP / IARC / ACGIH / OSHA) |
| | Reproductive toxicity | No available data |
| | STOT (single exposure) | No available data |
| | STOT (repeated exposure) | No available data |
| | Aspiration toxicity | No available data |

| | | |
|---|--------------------------------|--|
| Proprietary polymer B Part A | Acute toxicity | ALD (rat) >11000 mg/kg Inhalation ALC (rat) >1417 mg/l (4hr) |
| | Skin corrosion/irritation | Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis. |
| | Eye damage/irritation | Causes eye irritation |
| | Respiratory/skin sensitization | It is not a skin sensitizer. |
| | Germ cell mutagenicity | There is no evidence of mutagenic potential |
| | Carcinogenicity | It is unlikely to present a carcinogenic hazard to man. (NTP / IARC / ACGIH / OSHA) |
| | Reproductive toxicity | No available data |
| | STOT (single exposure) | No available data |
| | STOT (repeated exposure) | No available data |
| | Aspiration toxicity | No available data |
| Proprietary polymer B Part B | Acute toxicity | Oral LD50 (rat) 1378 - >2000 mg/kg Dermal LD50 (rabbit) >2000 mg/kg |
| | Skin corrosion/irritation | Not available. |
| | Eye damage/irritation | Causes serious eye damage. |
| | Respiratory/skin sensitization | It is not a skin sensitizer. |
| | Germ cell mutagenicity | Not available. |
| | Carcinogenicity | It is unlikely to present a carcinogenic hazard to man. (NTP / IARC / ACGIH / OSHA) |
| | Reproductive toxicity | Not available. |
| | STOT (single exposure) | Not available. |
| | STOT (repeated exposure) | Not available. |
| | Aspiration toxicity | Not available. |
| Proprietary polymer B Part C | Acute toxicity | Oral LD50 (rat) 846 – 1236 mg/kg Dermal LD50 (rat) >2000 mg/kg |
| | Skin corrosion/irritation | Causes skin irritation. |
| | Eye damage/irritation | Causes serious eye irritation. |
| | Respiratory/skin sensitization | It is not a skin sensitizer. |
| | Germ cell mutagenicity | There is no evidence of mutagenic potential. |
| | Carcinogenicity | It is unlikely to present a carcinogenic hazard to man. (NTP / IARC / ACGIH / OSHA) |
| | Reproductive toxicity | None anticipated |
| | STOT (single exposure) | Not available. |
| | STOT (repeated exposure) | Not available. |
| | Aspiration toxicity | Not available. |
| Proprietary Ingredient | Acute toxicity | Oral LD50 (rat) >7000 mg/kg Dermal LD50 (rabbit) >2000 mg/kg |
| | Skin corrosion/irritation | Slight/mild irritant to skin |
| | Eye damage/irritation | Causes serious eye irritation. |
| | Respiratory/skin sensitization | It is not a skin sensitiser. |
| | Germ cell mutagenicity | Not to be expected |
| | Carcinogenicity | It is unlikely to present a carcinogenic hazard to man. (NTP / IARC / ACGIH / OSHA) |
| | Reproductive toxicity | Not to be expected |
| | STOT (single exposure) | No available data |
| | STOT (repeated exposure) | No available data |
| | Aspiration toxicity | No available data |

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

| | Endpoint | Duration (Hr.) | Species | Value |
|---|----------|----------------|-------------------------------|-----------------|
| sodium lauryl sulphate | LC50 | 96 | Fish | 0.59-mg/L |
| | EC50 | 48 | Crustacea | =0.939mg/L |
| | EC50 | 96 | Algae or other aquatic plants | -0.4-3.7mg/L |
| | BCF | 1 | Fish | 0.85-mg/L |
| | EC15 | Not coded | Not Available | -0.05-0.25mg/L |
| | NOEC | 0.08 | Fish | 0.0000013-mg/L |
| isopropanol | LC50 | 96 | Fish | 9-640mg/L |
| | EC50 | 48 | Crustacea | 12500mg/L |
| | EC50 | 72 | Algae or other aquatic plants | >1000mg/L |
| | EC0 | 24 | Crustacea | 5-102mg/L |
| | NOEC | 504 | Crustacea | =30mg/L |
| Proprietary polymer A | EC50 | 48 | Daphnia magna | 100 mg/l |
| Proprietary polymer B Part A | EC50 | 48 | Daphnia magna | >100 mg/l |
| Proprietary polymer B Part B | LC50 | 96 | Fish | 5 - 8.5 mg/l |
| | EC50 | 72 | Aquatic invertebrates | 10 mg/l |
| Proprietary polymer B Part C | LC50 | 96 | Fish | 0.6 - 32 mg/l |
| | EC50 | 48 | Aquatic invertebrates | 0.5 - 10.8 |
| | ErC50 | 72 | Algae | 0.01 – 5.3 mg/l |
| | NOEC | 72 | Algae | 0.075 mg/l |

| | | | | |
|------------------------|------|----|--------------------------------|-----------|
| Proprietary Ingredient | LC50 | 96 | Oncorhynchus mykiss | 1000 mg/l |
| | EC50 | 48 | Daphnia magna, mobility | 40.3 mg/l |
| | EC50 | 96 | Pseudokirchnerella subcapitata | 230 mg/l |

Avoid discharging into drains and waterways.

Persistence and degradability

| Ingredient | Persistence: Water/Soil | Persistence: Air |
|-----------------------|-------------------------|------------------|
| sodium lauryl sulfate | HIGH | HIGH |

Bio accumulative potential

| Ingredient | Bioaccumulation |
|-----------------------|------------------|
| sodium lauryl sulfate | LOW (BCF = 7.15) |

Mobility in soil

| Ingredient | Mobility |
|-----------------------|-------------------|
| sodium lauryl sulfate | LOW (KOC = 10220) |

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|------------------------------|---|
| Product / Packaging disposal | Recycle containers whenever possible. Product residues and containers should be disposed of in accordance with local government regulations. |
|------------------------------|---|

SECTION 14 TRANSPORT INFORMATION

Labels Required

| | |
|------------------|----------------|
| Marine Pollutant | NO |
| HAZCHEM | Not Applicable |

Land transport (Not Applicable): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

SECTION 15 REGULATORY INFORMATION

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

SODIUM LAURYL SULFATE IS FOUND ON THE FOLLOWING REGULATORY LISTS

New Zealand Inventory of Chemicals (NZIoC)
Chemical Classification and Information Database (CCID)

ISOPROPANOL IS FOUND ON THE FOLLOWING REGULATORY LISTS

New Zealand Inventory of Chemicals (NZIoC)
Chemical Classification and Information Database (CCID)
Approved hazardous substances with controls
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

NEW ZEALAND HSNO ACT 1996

Substance approval - Cleaning Products (Subsidiary Hazard) Group Standard | HSR002530 | October 2020

SECTION 16 OTHER INFORMATION

Revision Schedule

| | |
|---------------|------------|
| Revision Date | 16/04/2025 |
| Initial Date | 08/12/2016 |

SDS Version Summary

| Version | Issue Date | Sections Updated |
|---------|------------|--|
| 2.1 | 06/07/2021 | Sections 2, 3, 11, 12, 15, 16 have been updated or corrected |
| 3.1 | 08/12/2021 | Sections 1, 2, 8, 15. |
| 3.2 | 15/09/2022 | Sections 1, 2, 15. |
| 3.2.1 | 16/04/2025 | Section 1 |

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources such as the ECHA C&L Chemical Inventory, HSNO (CCID) New Zealand, AICIS and HCIS Australia

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Definitions and abbreviations

| | |
|----------|---|
| PC-TWA; | Permissible Concentration-Time Weighted Average |
| PC-STEL: | Permissible Concentration-Short Term Exposure Limit |
| IARC: | International Agency for Research on Cancer |
| ACGIH: | American Conference of Government Industrial Hygienists |
| STEL: | Short Term Exposure Limit |
| TEEL: | Temporary Emergency Exposure Limit |
| IDLH: | Immediate Danger to Life or Health Concentrations |
| OSF: | Odour Safety Factor |
| NOAEL: | No Observed Effects Level |
| TLV: | Threshold Limit Value |
| LOD: | Limit Of Detection |
| OTV: | Odour Threshold Value |
| BCF: | Bio Concentration Factors |
| BEI: | Biological Exposure Index |

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