



Aluminium Sulphate Solution

AGent

AGent SDS: Aluminium Sulphate Solution [2026.02]

Version No: 2026.02

Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Hazard Alert Code: 2

Issue Date: July 2026
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AGENT.GHS.AUS.EN.E

SECTION 1 Identification of the substance / mixture and of the company / undertaking

Product Identifier

Product name	Aluminium Sulphate Solution
Chemical Name	Not Applicable (mixture)
Synonyms	Aluminium sulfate solution; Liquid alum; Alum solution
Proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CONTAINS ALUMINIUM SULPHATE)
Chemical formula	$\text{Al}_2(\text{SO}_4)_3$ in aqueous solution (mixture)
Other means of identification	Aluminium Sulphate Solution [2026.02]

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

Identified uses	Swimming pool chemical; water flocculant; water and wastewater treatment coagulant
Uses advised against	Not for use in food, beverage, pharmaceutical or cosmetic applications; not for direct human consumption.

Details of the manufacturer or supplier of the safety data sheet

Registered company name	AGent Sales & Services Pty Ltd
Address	38 May Holman Drive, Bassendean WA 6054, Australia
Telephone	(+61 8) 6270 4500 / 1300 833 844
Website	agentsales.com.au
Email	admin@agentsales.com.au

Emergency telephone number

Association / Organisation	Hazrad (outside 24-hour emergency response provider)
Emergency telephone numbers	08 9418 4200 (24-hour) — answered by Hazrad on AGent's behalf
Other emergency telephone numbers	Poisons Information Centre 131 126 (Australia) / 0800 764 766 (NZ)

SECTION 2 Hazards identification

Classification of the substance or mixture

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHS Regulations and the ADG Code (borderline PG III — AGent classifies as DG per the conservative-when-borderline policy in references/sds.md).

Poisons Schedule (SUSMP)	Not Scheduled (per supplier SDS)
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Classification

- Skin Corrosion/Irritation Category 2 — H315
- Serious Eye Damage/Irritation Category 2 — H319

Label elements

Hazard pictogram(s)	
Signal word	WARNING

Hazard statement(s)

- H315 — Causes skin irritation.
- H319 — Causes serious eye irritation.

Supplementary statement(s)

Not Applicable

Precautionary statement(s) Prevention

- P264 — Wash hands and contaminated body thoroughly after handling.
- P280 — Wear protective gloves / eye protection / face protection.

Precautionary statement(s) Response

- P302+P352 — IF ON SKIN: Wash with plenty of water.
- P332+P313 — If skin irritation occurs: Get medical advice/attention.
- P362+P364 — Take off contaminated clothing and wash it before reuse.
- P305+P351+P338+P310 — 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 CENTRE/doctor.
- P337+P313 — If eye irritation persists: Get medical advice/attention.
- P321 — Specific treatment (see First Aid Measures on Safety Data Sheet).

Precautionary statement(s) Storage

- P234 — Keep only in original container.

Precautionary statement(s) Disposal

- P501 — Dispose of contents/container in accordance with local, state and federal regulations.

Other hazards

No other hazards identified.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures.

Mixtures

CAS No.	% [weight]	Name	Classification
10043-01-3	20 – 40	Aluminium sulphate	Eye Irrit. 2A (H319) — HCIS. (Solution products: the skin-irritation entry in §2 arises from residual sulphuric acid, not this substance.)
7732-18-5	Balance	Water	Not classified

SECTION 4 First aid measures

Description of first aid measures

Eye Contact

Check for and remove any contact lenses. Immediately rinse the eyes thoroughly with plenty of running water for at least 15 minutes, keeping eyelids open. In all cases of eye contamination it is a sensible precaution to seek medical advice. Transport to hospital or doctor immediately.

Skin Contact

If skin or hair contact occurs, immediately remove any contaminated clothing. Wash skin and hair thoroughly with running water. Use a safety shower if available. If swelling, redness, blistering or irritation occurs, seek medical assistance. Wash contaminated clothing before re-use.

Inhalation

If breathed in, move the affected person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician. Lay the patient down. Keep warm and rested.

Ingestion

Contact the Poisons Information Centre (Australia 131 126; New Zealand 0800 764 766) or consult a doctor / physician immediately. Never give anything by mouth to an unconscious person. Rinse mouth with water. If swallowed, give a glass of water to drink. Do NOT induce vomiting. Seek medical advice. Transport to hospital.

Most important symptoms and effects, both acute and delayed

Symptoms may include eye irritation, skin irritation, respiratory irritation from mists/aerosols, nausea, vomiting, diarrhoea and gastrointestinal irritation if swallowed; possible burns to mouth and throat. See Section 11 for further toxicological detail.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically. For ingestion: dilute with water; do NOT induce vomiting; do NOT attempt neutralisation with alkali (exothermic). For eye exposure: irrigate as above; refer to ophthalmologist if irritation persists. For skin: standard chemical burn / irritation management. Contact the Poisons Information Centre (Australia 131 126; New Zealand 0800 764 766) for clinical guidance and case-specific advice; refer to standard chemical toxicology references (e.g. Ellenhorn and Barceloux: Medical Toxicology, latest edition) for treatment protocol detail beyond the above.

First Aid facilities

Eye wash facilities and a safety shower must be available in any area where this product is handled.

SECTION 5 Firefighting measures

Extinguishing media

Product is not combustible. Use extinguishing media appropriate to the surrounding fire. Suitable: water spray / fog, foam, dry chemical powder, carbon dioxide (CO₂). Unsuitable: Not applicable — product is non-combustible and presents no specific extinguishing-media incompatibility.

Special hazards arising from the substance or mixture

Fire Incompatibility

Decomposes on heating and may produce toxic fumes of sulphur oxides (SO_x) and aluminium oxide. Contact with water in fire situation may produce dilute sulphuric acid via hydrolysis.

Advice for firefighters

Fire Fighting

Alert the Fire Brigade and inform them of the location and nature of the hazard. Wear self-contained breathing apparatus (SCBA) and full protective clothing. Do NOT allow fire-fighting water to reach waterways, drains or sewers — contain for treatment. Cool exposed containers with water spray from a protected location.

Fire / Explosion Hazard

Product is non-combustible. Not considered a fire or explosion hazard. When involved in a fire, may generate sulphur oxides and aluminium oxide; corrosive runoff possible.

HAZCHEM Code	2X
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SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See Section 8 for personal protective equipment requirements.

Slippery when spilt — avoid slip / trip injuries. Avoid accidents — clean up immediately. Evacuate non-essential personnel to a safe area upwind. Use personal protective equipment per Section 8.

Environmental precautions

See Section 12 for ecotoxicity detail. Do not let product enter drains, waterways, sewers, soak-aways or unbunded areas. Notify the appropriate Environmental Protection Authority if waterway contamination occurs.

Methods and material for containment and cleaning up

Minor Spills

Contain spill with bunding; prevent further spread. Use absorbent material (soil, sand, vermiculite or other inert material). Neutralise residual material cautiously with lime or soda ash. Collect and seal in properly labelled containers or drums for disposal per Section 13. Wear PPE per Section 8. Avoid skin contact and breathing in vapour / mists.

Major Spills

Slip hazard — restrict personnel access. Clear area of all non-essential personnel and move upwind. Alert the Fire Brigade and the relevant Environmental Protection Authority. Wear full chemical-resistant PPE per Section 8; SCBA if vapour exposure likely. Contain, neutralise and collect as above. Do NOT discharge to drains.

SECTION 7 Handling and storage

Precautions for safe handling

Safe handling

Avoid all personal contact, including skin, eye and inhalation exposure. Wear PPE as specified in Section 8. Avoid generation of vapour, mists and aerosols. Ensure ventilation is adequate. Take precautions against static discharges when transferring. Observe good personal hygiene; wash thoroughly after handling.

Other information

Store in the original container; keep tightly sealed when not in use. Inspect containers regularly for leaks or deterioration.

Conditions for safe storage, including any incompatibilities

Suitable container

Polyethylene (HDPE) or polypropylene drums / IBCs are suitable. Do NOT use aluminium, mild steel, galvanised steel, zinc or copper containers — corrosive to these metals. Stainless steel 316 may be suitable for short-term contact only; verify with manufacturer.

Storage incompatibility

Incompatible with strong alkalis (caustic soda, lime, sodium carbonate) — exothermic neutralisation. Incompatible with reducing agents. Reacts with aluminium, mild steel, galvanised steel and zinc, producing hydrogen gas which may form an explosive mixture with air. Store in a cool, dry, well-ventilated area. Protect from physical damage and direct sunlight. Segregate from incompatible materials per ADG Code segregation rules (refer to ADG Code Table 9.1).

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

Reference: Safe Work Australia, "Workplace Exposure Limits for Airborne Contaminants" (April 2024) by Safe Work Australia.

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
SWA WEL 2024	Aluminium, soluble salts (as Al)	Aluminium sulphate (component)	2 mg/m ³	Not assigned in SWA WEL 2024	Not assigned in SWA WEL 2024	Verified against SWA WEL 2024 Appendix A; AGent operates AU-only so non-AU OELs (ACGIH TLV, OSHA PEL, EU IOELV) not applicable
SWA WEL 2024	Water	Water (component)	Not applicable	Not applicable	Not applicable	Water — no exposure limit defined in any jurisdiction

Emergency Limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
Aluminium sulphate	Not established (DOE PAC)	Not established (DOE PAC)	Not established (DOE PAC)
Ingredient	Original IDLH		Revised IDLH
Aluminium sulphate	Not established (NIOSH)		Not established (NIOSH)

MATERIAL DATA

No whole-mixture occupational exposure data are available; manage on a per-component basis (above).

Exposure controls

Appropriate engineering controls

Apply the hierarchy of controls (WHS Reg 36). Where elimination or substitution is not reasonably practicable: provide local exhaust ventilation at points of vapour / mist generation; use closed transfer systems where possible; ensure general ventilation is adequate to keep airborne concentrations below the applicable WEL. Document the risk assessment supporting the chosen control hierarchy.

Individual protection measures, such as personal protective equipment

Eye and face protection

Safety glasses with side shields (AS/NZS 1336 & 1337) as a minimum. Chemical goggles and a face shield (AS/NZS 1336 & 1337) where splash potential exists.

Skin protection

See Hand protection below.

Hands/feet protection

PVC chemical-resistant gloves (per AS 2161); elbow-length for decanting or transfer operations. Chemical-resistant safety footwear (AS/NZS 2210) with trousers / overalls worn outside the boots to prevent splash entry. Inspect gloves before each use; replace if damaged. Wash hands after glove removal.

Body protection

See Other protection below.

Other protection

Long-sleeved chemical-resistant protective clothing and apron (PVC or equivalent)

Respiratory protection

If a risk assessment indicates an inhalation risk exists, wear a half-face or full-face respirator with appropriate filter (selection per AS/NZS 1715; respirator per AS/NZS 1716). Specific cartridge / canister recommendation to be confirmed during respiratory protection risk assessment per AS/NZS 1715.

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Property	Value
Appearance	Liquid (solution) — clear, off-white to milky / grey
Physical state	Liquid
Odour	Odourless
Odour threshold	Not applicable — product is odourless
pH (as supplied)	1.8 – 2.4
Melting point / freezing point (°C)	-15 °C
Initial boiling point and boiling range (°C)	102 °C
Flash point (°C)	Not applicable — aqueous solution; non-combustible (see Section 5)
Evaporation rate	Not applicable — primarily water; evaporation behaviour follows water
Flammability	Not flammable
Upper Explosive Limit (%)	Not applicable — non-flammable inorganic salt solution

Lower Explosive Limit (%)	Not applicable — non-flammable inorganic salt solution
Vapour pressure (kPa)	Approximately equal to water vapour pressure (~2.3 kPa at 20 °C); reduced slightly by dissolved salt content
Solubility in water	Miscible
Vapour density (Air = 1)	Approximately equal to water vapour (~0.62; Air = 1)
Relative density (Water = 1)	1.31 – 1.33 @ 20 °C (28% w/w)
Partition coefficient n-octanol/water	Not applicable — ionic compound does not partition into n-octanol/water phases
Auto-ignition temperature (°C)	Not applicable — non-combustible aqueous inorganic salt solution
Decomposition temperature (°C)	770 °C
Viscosity (cSt)	Not Provided
Molecular weight (g/mol)	Not applicable (mixture)
Taste	Not applicable — industrial chemical; not to be tasted
Explosive properties	None known
Oxidising properties	None known
Surface Tension (dyn/cm or mN/m)	Approximately equal to water (~72 mN/m at 20 °C); inorganic salt may slightly reduce
Volatile Component (% vol)	20-40% (aluminium sulphate concentration per product header; water balance is the volatile fraction)
Gas group	Not applicable
pH as a solution (1%)	Approximately 3.5 (1% aqueous solution)
VOC g/L	0 g/L — no volatile organic compounds present (water and inorganic salt only)

SECTION 10 Stability and reactivity

Reactivity	Corrosive to metals. See Section 7.
Chemical stability	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Contact with alkaline material liberates heat (exothermic).
Possibility of hazardous reactions	See Section 7. Corrosive to aluminium, mild steel, galvanised steel and zinc — may liberate hydrogen gas.
Conditions to avoid	See Section 7. Avoid heat, contact with incompatible materials, and direct sunlight.
Incompatible materials	See Section 7. Strong alkalis; reducing agents; certain metals.
Hazardous decomposition products	See Section 5. Sulphur oxides (SO _x); aluminium oxide; dilute sulphuric acid via hydrolysis.

SECTION 11 Toxicological information

Information on toxicological effects

Inhaled

Breathing in mists or aerosols may produce respiratory irritation. Prolonged inhalation of acidic mists may cause bronchial irritation and chronic respiratory effects.

Ingestion

Swallowing can result in nausea, vomiting, diarrhoea and gastrointestinal irritation. May cause burns to the mouth and throat. Difficulty swallowing or speaking may occur.

Skin Contact

Contact with skin will result in irritation (H315 — Cat 2). Repeated or prolonged contact may cause more severe effects.

Eye

Serious eye irritant (H319 — Cat 2). Effects may include redness, pain and lacrimation; prolonged contact may cause corneal effects if irrigation is delayed. Standard Draize Test (rabbit): 10 mg / 24 h referenced in literature; classified at the mixture level as Cat 2 per supplier SDS Rev 7.

Chronic

Long-term or repeated exposure to acidic mists may cause tooth erosion and chronic respiratory effects. No specific cumulative-effect data have been identified for aluminium sulphate solution in the source SDSs (AGent V3.1, raw-material supplier); manage on the precautionary basis above.

Per-ingredient toxicity

Ingredient	TOXICITY	IRRITATION
Aluminium sulphate (component)	Oral LD50 (mouse): > 6,207 mg/kg [1]; Oral LD50 (rat): > 5,000 mg/kg [2]	Eye (rabbit): 10 mg / 24 h literature reference [1]; as-sold mixture classified Eye Irrit. Cat 2 (H319) per supplier SDS Rev 7
Water	Not applicable	Not applicable

Hazard checklist (whole-product classification basis)

Hazard endpoint	Classified	Hazard endpoint	Classified
Acute Toxicity	✓	Carcinogenicity	—
Skin Irritation/Corrosion	✓	Reproductive Toxicity	—
Serious Eye Damage/Irritation	✓	STOT — Single Exposure	—
Respiratory or Skin Sensitisation	—	STOT — Repeated Exposure	—
Mutagenicity	—	Aspiration Hazard	—

Legend: ✓ = Data available to make classification; — = Data either not available or does not fill the criteria for classification.

Information on possible routes of exposure

The substance can be absorbed into the body by ingestion and by inhalation. Skin and eye contact are the most likely occupational exposure routes.

Additional Information

RTECS	Not Listed
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SECTION 12 Ecological information

Toxicity

Ingredient	Endpoint	Test Duration	Species	Value	Source
Aluminium sulphate	LC50	96 hr (static)	Salvelinus fontinalis (Brook trout)	3.6 mg/L	[1] AGent V3.1
Aluminium sulphate	LC50	96 hr	Oncorhynchus mykiss (Rainbow trout)	>1,000 mg/L (low-hardness water)	[2] ECHA disseminated dossier

Environmental precaution: Prevent entry to drains, waterways and soak-aways. Notify the relevant Environmental Protection Authority if waterway contamination occurs.

Persistence and degradability

Ingredient	Persistence: Water / Soil	Persistence: Air
Aluminium sulphate	Not applicable — inorganic salt; not subject to biodegradation. Hydrolyses in water to form $\text{Al}(\text{OH})_3$ precipitate and dilute sulphuric acid.	Not applicable — non-volatile inorganic salt; no atmospheric persistence pathway

Bioaccumulative potential

Ingredient	Bioaccumulation
Aluminium sulphate	Not expected to bioaccumulate (log Kow not applicable for ionic compound; aluminium shows low bioconcentration in aquatic organisms)

Mobility in soil

Ingredient	Mobility
Aluminium sulphate	High mobility in water (fully soluble; precipitates as $\text{Al}(\text{OH})_3$ at neutral to alkaline pH). Low mobility in soil (Al^{3+} binds strongly to organic matter and clay minerals).

Other adverse effects

Aluminium-based coagulants may alter pH of receiving waters; downstream effects on aquatic biota should be considered. Al^{3+} ions can be toxic to fish at low pH (sub-pH 6); risk is mitigated where receiving water has adequate buffering capacity. Avoid uncontrolled discharge to soft / acidic waterways.

SECTION 13 Disposal considerations

Waste treatment methods

Product / Packaging disposal

- Recycle wherever possible.
- Ensure waste disposal conforms to all relevant local, state and federal authority waste disposal regulations.
- Do NOT discharge into sewers or waterways.
- Empty containers should be returned via AGent's Closed Loop container return program where applicable.
- Whatever cannot be saved for recovery or recycling should be managed through an approved waste disposal facility.
- Bulk product: neutralise cautiously with lime or soda ash before disposal; consult the Operations Manager for site-specific procedures.

SECTION 14 Transport information

Labels Required	Class 8 (Corrosive) — see ADG Table 3.2.3
Marine Pollutant	No
HAZCHEM Code	2X

Land transport (ADG)

UN number	3264
UN proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CONTAINS ALUMINIUM SULPHATE)
Transport hazard class(es)	Class 8 (Corrosive); Subsidiary Hazard: Not Applicable
Packing group	III
Environmental hazard	Not Applicable
Special precautions for user	Special provisions per ADG Table 3.2.3 col 7a: 223 (classification criteria may be modified for the relatively low risk presented by the substance — permits the PG III classification) and 274 (proper shipping name shall be supplemented with the technical name of the goods in brackets — complied with above: "CONTAINS ALUMINIUM SULPHATE"). Limited quantity (col 7a, sub-column "Limited and excepted"): 5 L. Packaging Instructions: P001 (col 8), IBC03 (col 8b), LP01 (col 8a). Portable Tank Instructions: T7 / TP1 / TP28 (col 10).
ERG / EIP number	ANZ-ERG 2024 Guide 154 (Substances - Toxic and/or Corrosive, Non-Combustible) — source: Australian New Zealand Emergency Response Guidebook 2024.1.

Air transport (ICAO-IATA / DGR)

UN number	3264
UN proper shipping name (lowercase)	Corrosive liquid, acidic, inorganic, n.o.s. (contains aluminium sulphate)
ICAO/IATA Class	Class 8; Subsidiary Hazard: Not Applicable; ERG Code: Not Applicable — AGent does not air-freight
Packing group	III
Environmental hazard	Not Applicable
Special provisions	Not Applicable — AGent does not transport this product by air. Refer to land transport (ADG) above for the applicable classification.
Cargo Only Packing Instructions	Not Applicable — AGent does not transport this product by air. Refer to land transport (ADG) above for the applicable classification.
Cargo Only Max Qty/Pack	Not Applicable — AGent does not transport this product by air. Refer to land transport (ADG) above for the applicable classification.
Passenger and Cargo Packing Instructions	Not Applicable — AGent does not transport this product by air. Refer to land transport (ADG) above for the applicable classification.
Passenger and Cargo Max Qty/Pack	Not Applicable — AGent does not transport this product by air. Refer to land transport (ADG) above for the applicable classification.

Sea transport (IMDG-Code / GGVSee)

UN number	3264
UN proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CONTAINS ALUMINIUM SULPHATE)

IMDG Class	Class 8; Subsidiary Hazard: Not Applicable
Packing group	III
Environmental hazard	Not a Marine Pollutant
EMS Number	Not Applicable — AGent does not export this product or transport it by sea
Special provisions	Not Applicable — AGent does not export this product or transport it by sea. Refer to land transport (ADG) above for the applicable classification.

Transport in bulk according to MARPOL Annex II and the IBC Code

Not Applicable — AGent does not transport this product in bulk by sea.

Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
Aluminium Sulphate Solution	Not Applicable — AGent does not transport this product in bulk by sea.

Transport in bulk in accordance with the IGC Code

Product name	Ship Type
Aluminium Sulphate Solution	Not Applicable — AGent does not transport this product in bulk by sea.

SECTION 15 Regulatory information

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

ALUMINIUM SULPHATE (CAS 10043-01-3) is found on the following regulatory lists:

- Australia Hazardous Chemical Information System (HCIS) — Hazardous Chemicals: Eye Irrit. 2A (H319)
- Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): None allocated
- Australian Inventory of Industrial Chemicals (AIIC): Listed
- IARC Group classification: Not classified
- Schedule 10 of the model WHS Regulations (prohibited / restricted carcinogens): Not listed
- Schedule 14 of the model WHS Regulations (health monitoring trigger): Not listed

Additional Regulatory Information

Subject to: Work Health and Safety (General) Regulations 2022 (WA); "Workplace Exposure Limits for Airborne Contaminants" (April 2024) by Safe Work Australia; Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code) current edition.

National Inventory Status

Country / Inventory	Listed
Australia (AIIC / AICS)	Yes
Canada (DSL)	Not applicable — AGent does not export this product
Canada (NDSL)	Not applicable — AGent does not export this product
China (IECSC)	Not applicable — AGent does not export this product
Europe (EINECS / ELINCS / NLP)	Not applicable — AGent does not export this product
Japan (ENCS)	Not applicable — AGent does not export this product
Korea (KECI)	Not applicable — AGent does not export this product
New Zealand (NZIoC)	Not applicable — AGent does not export this product
Philippines (PICCS)	Not applicable — AGent does not export this product

USA (TSCA)	Not applicable — AGent does not export this product
Taiwan (TCSI)	Not applicable — AGent does not export this product
Mexico (INSQ)	Not applicable — AGent does not export this product
Vietnam (NCI)	Not applicable — AGent does not export this product
Russia (FBEPH)	Not applicable — AGent does not export this product

Legend: Yes = All CAS declared ingredients are on the inventory; No = One or more CAS listed ingredients are not on the inventory (may be exempt or require registration).

SECTION 16 Other information

Revision Date	July 2026
Initial Date	May 2026 (AGent 2026 format)

SDS Version Summary

Version	Date of Update	Sections Updated
2026.02 (AGent 2026 format)	July 2026	§3 ingredient classification(s) harmonised to the substance-level determination for CAS 10043-01-3 (SWA HCIS where listed; documented supplier basis otherwise) — cross-CAS consistency triage, 24 July 2026. Substance classification is a property of the CAS number and must be identical across all AGent SDS.
2026.01 (AGent 2026 format); earlier: V3.2 (legacy AGent format, AGENT SDS/)	June 2026	Hazard classification corrected back to Skin/Eye Irrit. Cat 2 + WARNING + GHS07 only (matches supplier SDS Rev 7 and AGent legacy V3.2). Reverses the earlier PubChem-based escalation to H318/DANGER. DG transport classification (UN 3264 / Class 8 / PG III / Hazchem 2X) retained per AGent over-classify-when-borderline policy — AGent's 20-40% concentration sits at the ADG PG III threshold. See header for full rationale.

Other information

This SDS is intended as a hazard communication tool to assist in workplace Risk Assessment. It is not an Australian Standard or a definitive document.

Definitions and abbreviations

Abbreviation	Definition
ADG	Australian Dangerous Goods Code
AICS / AIIC	Australian Inventory of Industrial Chemicals (formerly AICS)
AUH	Additional / Australian Hazard statements
BCF	Bioconcentration Factor
BEI	Biological Exposure Index
CAS	Chemical Abstracts Service Registry Number
DNEL	Derived No Effect Level
DSEN	Dermal sensitiser (SWA WEL 2024 notation)
EC50	Effect Concentration causing effect in 50% of test population
EMS	IMDG Emergency Schedule
ERG / EIP	Emergency Response Guide / Emergency Information Panel (SAA/SNZ HB76)
ES	Exposure Standard (legacy term — now WEL)
GHS	Globally Harmonised System of Classification and Labelling
HCIS	Hazardous Chemical Information System (Safe Work Australia)
IARC	International Agency for Research on Cancer
IDLH	Immediately Dangerous to Life or Health
LC50	Lethal Concentration causing death in 50% of test population
LD50	Lethal Dose causing death in 50% of test population

LOAEL	Lowest Observed Adverse Effect Level
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
OEL	Occupational Exposure Limit
OTO	Ototoxic (SWA WEL 2024 notation)
PC-STEL	Permissible Concentration — Short Term Exposure Limit
PC-TWA	Permissible Concentration — Time Weighted Average
PNEC	Predicted No Effect Concentration
RSEN	Respiratory sensitiser (SWA WEL 2024 notation)
SDS	Safety Data Sheet
Sk	Skin notation — absorption through the skin a significant route
STEL	Short Term Exposure Limit (15 min TWA)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TEEL	Temporary Emergency Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average (8 hr / 40 hr week)
WEL	Workplace Exposure Limit (Safe Work Australia, April 2024)
WHS	Work Health and Safety

Disclaimer

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