



Nitric Acid 65 - 70% Solution

AGent

AGent SDS: Nitric Acid 65 - 70% 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: 4

Issue Date: July 2026
Print Date: (auto-fills on print)
AGENT.GHS.AUS.EN.E

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

Product Identifier

Product name	Nitric Acid 65 - 70% Solution
Chemical Name	Nitric acid (65–70%)
Synonyms	Azotic acid; engraver's acid; aqua fortis
Proper shipping name	NITRIC ACID, other than red fuming, with at least 65%, but not more than 70% nitric acid
Chemical formula	HNO ₃ (65–70%) in water
Other means of identification	Nitric Acid 65 - 70% Solution [2026.02]

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

Identified uses	Laboratory chemical; manufacture of nitrates and nitro compounds (fertilisers); dye intermediate; explosives.
Uses advised against	Not for unprotected domestic / consumer use. Keep away from all combustibles and organics — strong oxidiser.

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. Scheduled Poison S6. Classified under the WHS Regulations and the ADG Code — Class 8 Corrosive (subsidiary Class 5.1 Oxidising), PG II. Highly reactive strong oxidising acid.

Poisons Schedule (SUSMP)	Schedule 6 (S6) — SUSMP
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Classification

- Oxidising Liquid Category 3 — H272
- Corrosive to Metals Category 1 — H290
- Acute Toxicity (Oral) Category 4 — H302

- Skin Corrosion/Irritation Category 1A — H314
- Specific Target Organ Toxicity (Single Exposure) Category 3 (respiratory) — H335

Label elements

Hazard pictogram(s)	
Signal word	DANGER

Hazard statement(s)

- H272 — May intensify fire; oxidiser.
- H290 — May be corrosive to metals.
- H302 — Harmful if swallowed.
- H314 — Causes severe skin burns and eye damage.
- H335 — May cause respiratory irritation.

Supplementary statement(s)

Not Applicable

Precautionary statement(s) Prevention

- P210 — Keep away from heat and all sources of ignition. No smoking.
- P220 — Keep / store away from clothing / organic / combustible materials.
- P221 — Take any precaution to avoid mixing with combustibles / organic material.
- P234 — Keep only in original container.
- P260 — Do not breathe fume / gas / mist / vapours / spray.
- P264 — Wash hands thoroughly after handling.
- P271 — Use only outdoors or in a well-ventilated area.
- P280 — Wear protective gloves / protective clothing / eye protection / face protection.

Precautionary statement(s) Response

- P301+P330+P331 — IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P310 — Immediately call a POISON CENTRE / doctor.
- P321 — Specific treatment (see First Aid Measures).
- P303+P361+P353 — IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P363 — Wash contaminated clothing before reuse.
- P304+P340 — IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P310 — Immediately call a POISON CENTRE / doctor.
- P370+P378 — In case of fire: Use sand, dry chemical or alcohol-resistant foam.
- P390 — Absorb spillage to prevent material damage.

Precautionary statement(s) Storage

- P403+P233 — Store in a well-ventilated place. Keep container tightly closed.
- P405 — Store locked up.
- P406 — Store in a corrosion-resistant container with a resistant inner liner.

Precautionary statement(s) Disposal

- P501 — Dispose of contents/container to an approved waste disposal plant.

Other hazards

Strong oxidiser — contact with combustibles / organics may cause fire or explosion; some mixtures are hypergolic (self-igniting). Reacts with most metals liberating flammable hydrogen and with water exothermically. Fumes in air; emits toxic nitrogen oxides.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures.

Mixtures

CAS No.	% [weight]	Name	Classification
7697-37-2	65 – 70	Nitric acid	Ox. Liq. 3 (H272); Skin Corr. 1A (H314) — HCIS; Met. Corr. 1 (H290) + STOT SE 3 (H335)
7732-18-5	Balance	Water	Not classified

SECTION 4 First aid measures

Description of first aid measures

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Take care not to rinse contaminated water into the unaffected eye. Corrosive — risk of blindness; seek immediate medical attention.

Skin Contact

Remove contaminated clothing. Immediately flush affected area with plenty of water for at least 15 minutes. Corrosive — causes severe burns; seek immediate medical attention. Launder clothing before reuse; thoroughly clean or destroy contaminated footwear.

Inhalation

Remove victim from exposure to fresh air. If not breathing, give artificial respiration — do NOT use mouth-to-mouth (use a one-way valve / pocket mask). If breathing is difficult, give oxygen. Seek medical attention immediately. Effects may be delayed (pulmonary oedema).

Ingestion

Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. May be fatal if swallowed — seek immediate medical assistance. Contact the Poisons Information Centre (Australia 131 126; New Zealand 0800 764 766).

Most important symptoms and effects, both acute and delayed

Corrosive and oxidising. Causes severe skin / eye burns (risk of blindness). Inhalation of fume / mist causes burning, coughing, wheezing, laryngitis, pulmonary oedema (delayed up to 24–48 h). Ingestion causes severe burns; large doses may cause methaemoglobinaemia, cyanosis, circulatory collapse and possibly death.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Corrosive injury management; monitor for delayed pulmonary oedema and methaemoglobinaemia. Gastric lavage only under qualified supervision. Contact the Poisons Information Centre (Australia 131 126; New Zealand 0800 764 766).

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

Non-combustible liquid. Use water spray, sand, alcohol-resistant foam, dry chemical or carbon dioxide. Cool fire-exposed containers with water until well after the fire is out.

Special hazards arising from the substance or mixture

Fire Incompatibility

Strong oxidiser — accelerates burning; contact with combustibles may cause fire; reacts explosively with hydrocarbons; may decompose explosively when heated. Run-off may create fire / explosion hazard. Emits toxic nitrogen oxides.

Advice for firefighters

Fire Fighting

Wear positive-pressure self-contained breathing apparatus (SCBA) and full protective firefighting clothing / chemical splash suit. Toxic nitrogen-oxide fumes present.

Fire / Explosion Hazard

Corrosive (Class 8) with oxidising subsidiary (5.1). Toxic NO_x fumes; fire / explosion risk with combustibles.

SECTION 6 Accidental release measures**Personal precautions, protective equipment and emergency procedures**

See Section 8 for personal protective equipment requirements.

Eliminate all ignition sources. Wear full chemical-resistant PPE. Avoid breathing fume / mist. Increase ventilation; ventilate closed spaces before entry. Keep out of low areas. Evacuate non-essential personnel; work upwind.

Environmental precautions

Prevent product entering drains or waterways. Discharge to the environment must be avoided. If contamination occurs, advise local emergency services.

Methods and material for containment and cleaning up**Minor Spills**

Slippery when spilt — clean up immediately. Dike ahead of the spill. Absorb with inert non-combustible material (sand, soil — NOT sawdust / cellulose). Neutralise spill area and washings with soda ash or lime. Collect in labelled hazardous-waste containers; do NOT return to original containers.

Major Spills

Isolate and ventilate; eliminate ignition sources; keep combustibles away; work upwind. Wear full PPE including SCBA. Dike, absorb on inert material, neutralise cautiously and collect as above. Notify the Environmental Protection Authority.

SECTION 7 Handling and storage**Precautions for safe handling****Safe handling**

Ensure an eye bath and safety shower are available. Eliminate ignition sources. Avoid contact with eyes / skin / clothing; do not inhale vapours. Keep away from combustibles / organics. ALWAYS add acid to water (never water to acid) while stirring to prevent release of heat / steam / fumes. Bond and ground equipment. Use PPE per Section 8.

Other information

Store in corrosion-resistant, vented containers. Keep away from heat / ignition and combustibles. Keep containers closed when not in use; check regularly for leaks.

Conditions for safe storage, including any incompatibilities**Suitable container**

Store in a cool, dry, well-ventilated area away from heat / ignition sources and combustibles, in corrosion-resistant containers with resistant inner liner. Inspect regularly for damage / leaks. Protect against physical damage. Store away from incompatible materials (see Section 10).

Storage incompatibility

Most metals (esp. powdered / alkali / alkaline-earth metals); strong bases; organic chemicals (alcohols, ketones, amines, hydrocarbons, etc.); combustibles; reducing agents; hydrogen peroxide; non-metals; sulphides; carbides; cyanides; hypergolic materials (hydrazine, furfuryl alcohol, etc.). Store away from incompatible materials (see Section 10).

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	Nitric acid	Nitric acid	5.2 mg/m ³ (2 ppm)	Not assigned in SWA WEL 2024 (former WES STEL 4 ppm / 10 mg/m ³ enforceable)	Not assigned in SWA WEL 2024	SWA WEL 2024 nitric acid TWA 5.2 mg/m ³ (2 ppm); no STEL assigned. The former WES

				until 30 Nov 2026)		STEL (4 ppm / 10 mg/m ³) remains enforceable until 30 November 2026 under transitional arrangements.
SWA WEL 2024	Water	Water (component)	Not applicable	Not applicable	Not applicable	Water — no exposure limit defined.

Emergency Limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
Nitric acid	Refer DOE PAC —	Refer DOE PAC —	Refer DOE PAC —
Ingredient	Original IDLH	Revised IDLH	
Nitric acid	25 ppm (NIOSH IDLH for nitric acid)	Refer current NIOSH documentation	

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

Wear elbow-length chemical-resistant gloves, protective clothing, safety footwear and splash apron (AS 2161 & 2919, AS/NZS 3765 / 2210). Tightly-fitting safety goggles with full face-shield (AS/NZS 1336 & 1337). Use a full-face respirator with ABEK / multi-purpose cartridges, or supplied-air respirator if sole protection (AS/NZS 1715 & 1716).

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 — clear, colourless to yellow
Physical state	Liquid
Odour	Irritating / acrid

Odour threshold	No data available in source SDS
pH (as supplied)	< 1 (strongly acidic)
Melting point / freezing point (°C)	No data available in source SDS
Initial boiling point and boiling range (°C)	122 °C at 101.3 kPa
Flash point (°C)	Not applicable — non-combustible (oxidiser)
Evaporation rate	No data available in source SDS
Flammability	Non-combustible — oxidiser (intensifies fire)
Upper Explosive Limit (%)	Not applicable
Lower Explosive Limit (%)	Not applicable
Vapour pressure (kPa)	4.9 kPa at 50 °C
Solubility in water	Miscible
Vapour density (Air = 1)	No data available in source SDS
Relative density (Water = 1)	1.398
Partition coefficient n-octanol/water	Not applicable — ionic
Auto-ignition temperature (°C)	Not applicable — non-combustible
Decomposition temperature (°C)	Slow decomposition at room temperature (accelerated by light / heat); emits nitrogen oxides
Viscosity (cSt)	No data available in source SDS
Molecular weight (g/mol)	63.01 g/mol (HNO ₃)
Taste	Not applicable — do not taste
Explosive properties	Forms explosive / hypergolic mixtures with many organics and reducing agents
Oxidising properties	Strong oxidiser (Ox. Liq. 3)
Surface Tension (dyn/cm or mN/m)	No data available in source SDS
Volatile Component (% vol)	Nitric acid and water; emits NO _x
Gas group	Not applicable
pH as a solution (1%)	Strongly acidic
VOC g/L	0 g/L — inorganic oxidising acid; no VOC

SECTION 10 Stability and reactivity

Reactivity	Highly reactive. Fumes in air. Contact with water is exothermic. Strong oxidiser. See Section 7 / 10.
Chemical stability	Stable under normal storage / handling; slow decomposition at room temperature (accelerated by light, air, organics, heat) forming nitrogen oxides (may colour the acid yellow / red). Containers may burst when heated.
Possibility of hazardous reactions	May react violently / explosively or ignite spontaneously with many organic and inorganic chemicals, combustibles, reducing agents and metals; hypergolic with crotonaldehyde, hydrazine, furfuryl alcohol, terpenes, etc. Reacts with sulphides (H ₂ S, SO ₂), cyanides (HCN), carbides, fluorine and phosphorus compounds. Reacts with water / steam producing heat and toxic / corrosive fumes.
Conditions to avoid	Heat / high temperatures; light; air; confined spaces; combustibles; organic compounds; incompatible materials.
Incompatible materials	See Section 7 / 10. Metals; strong bases; organics; combustibles; reducing agents; hydrogen peroxide; non-metals; sulphides; cyanides; halogens; phosphorus compounds.
Hazardous decomposition products	Toxic nitrogen oxides and hydrogen nitrate; heat and corrosive fumes with water / steam.

SECTION 11 Toxicological information

Information on toxicological effects

Inhaled

Fume / mist is corrosive — burning, coughing, wheezing, laryngitis; pulmonary oedema (delayed up to 24–48 h).

Ingestion

May be fatal if swallowed (H314 corrosive). Severe burns to GI tract; large doses cause methaemoglobinaemia / cyanosis / circulatory collapse.

Skin Contact

Corrosive — severe burns; yellow-brown staining; permanent scarring (H314).

Eye

Corrosive — severe burns; risk of blindness.

Chronic

No IARC carcinogen at $\geq 0.1\%$. Repeated exposure damages teeth / respiratory tract.

Per-ingredient toxicity

Ingredient	TOXICITY	IRRITATION
Nitric acid	Inhalation LC50 (rat): 919 ppm (1 h); Oral LDLo (human): 430 mg/kg	Corrosive (Skin Corr. 1A / serious eye damage)
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

Serious local effects by all routes — inhalation, ingestion, skin and / or eye contact.

Additional Information

RTECS	QU5775000
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SECTION 12 Ecological information

Toxicity

Ingredient	Endpoint	Test Duration	Species	Value	Source
Nitric acid	LC50 (mosquito fish, <i>Gambusia affinis</i>)	96 h	Fish	72 mg/L (rainbow trout LC50 2800 mg/L / 96 h)	AGent SDS
Nitric acid	pH effect	Not applicable	Aquatic organisms (general)	Harmful via depression of pH; nutrient (nitrate) enrichment	AGent SDS

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
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Nitric acid	Not applicable in the OECD sense — inorganic acid; dissociates to nitrate; acidity neutralises on dilution.	Not applicable — aqueous product (NO _x degrade in air).
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Bioaccumulative potential

Ingredient	Bioaccumulation
Nitric acid	Not expected to bioaccumulate (ionic).

Mobility in soil

Ingredient	Mobility
Nitric acid	Miscible and highly mobile in water; neutralises on dilution; nitrate is mobile.

Other adverse effects

Acidic — may depress pH and cause nitrate enrichment of waterways. Avoid uncontrolled discharge.

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.
- Cautiously neutralise (soda ash / lime) before disposal; dispose of in accordance with local, state and federal regulations.
Do not discharge to sewer / waterways.

SECTION 14 Transport information

Labels Required	Class 8 (Corrosive) + subsidiary Class 5.1 (Oxidising Agent) — see ADG Table 3.2.3
Marine Pollutant	No
HAZCHEM Code	2R

Land transport (ADG)

UN number	2031
UN proper shipping name	NITRIC ACID, other than red fuming, with at least 65%, but not more than 70% nitric acid
Transport hazard class(es)	Class 8 (Corrosive); Subsidiary Hazard: Class 5.1 (Oxidising Agent)
Packing group	II
Environmental hazard	Not Applicable
Special precautions for user	ADG Table 3.2.3 (UN 2031 PG II): Special Provisions (ADG): None allocated. Limited Quantities (LQ): Dangerous goods exemptions apply for road/rail transport when packed in inner packagings with a net volume not exceeding 1 L and outer packagings with a gross mass not exceeding 30 kg. Excepted Quantities (EQ): Code E2 applies. Maximum net quantity per inner packaging is 30 mL. Max
ERG / EIP number	ANZ-ERG 2024 Guide 157 (Substances - Toxic and/or Corrosive, Non-Combustible / Water-Sensitive).

Air transport (ICAO-IATA / DGR)

UN number	2031
UN proper shipping name (lowercase)	Nitric acid
ICAO/IATA Class	Class 8 (5.1); ERG Code: Not Applicable — AGent does not air-freight
Packing group	II
Environmental hazard	Not Applicable
Special provisions	Not Applicable — AGent does not transport this product by air. Refer to land transport (ADG) above.
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	2031
UN proper shipping name	NITRIC ACID, other than red fuming, with at least 65%, but not more than 70% nitric acid
IMDG Class	Class 8 (5.1)
Packing group	II
Environmental hazard	Not a Marine Pollutant

EMS Number	F-A, S-Q
Special provisions	Not Applicable — AGen does not export this product or transport it by sea. Refer to land transport (ADG) above.

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

Not Applicable — AGen 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
Nitric Acid 65 - 70% Solution	Not Applicable — AGen does not transport this product in bulk by sea.

Transport in bulk in accordance with the IGC Code

Product name	Ship Type
Nitric Acid 65 - 70% Solution	Not Applicable — AGen 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

NITRIC ACID (CAS 7697-37-2) is found on / assessed against the following regulatory lists:

- Australia Hazardous Chemical Information System (HCIS): Ox. Liq. 3 / Met. Corr. 1 / Skin Corr. 1A / STOT SE 3
- Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 6 (S6)
- 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 — AGen does not export this product
Canada (NDSL)	Not applicable — AGen does not export this product
China (IECSC)	Not applicable — AGen does not export this product
Europe (EINECS / ELINCS / NLP)	Not applicable — AGen does not export this product
Japan (ENCS)	Not applicable — AGen does not export this product
Korea (KECI)	Not applicable — AGen does not export this product
New Zealand (NZIoC)	Not applicable — AGen does not export this product
Philippines (PICCS)	Not applicable — AGen does not export this product
USA (TSCA)	Not applicable — AGen does not export this product
Taiwan (TCSI)	Not applicable — AGen does not export this product
Mexico (INSQ)	Not applicable — AGen does not export this product

Vietnam (NCI)	Not applicable — AGen does not export this product
Russia (FBEPH)	Not applicable — AGen 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	June 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 7697-37-2 (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 AGen SDS.
2026.01 (AGent 2026 format); earlier: V2.2 (legacy AGen format)	June 2026	Reformatted from legacy V2.2 to AGen 2026 layout. §8 updated to SWA WEL 2024 (nitric acid 2 ppm TWA / 4 ppm STEL); §14 ERG updated to ANZ-ERG 2024 Guide 157 (was legacy HB76 EIP 40); removed superseded legacy abbreviations and exposure-standard references; AICS→AIIC. FIX: §8 CAS typo '7697-32-2' corrected to 7697-37-2. Classification consolidated: Skin Corr 1A (H314) subsumes the separately-listed Eye Dam 1 (H318). DG status unchanged (UN 2031 Class 8(5.1) PG II; S6).

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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end of SDS