



Safety Data Sheet

SDS-ASD-629

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Prepared in accordance with Australian WHS Regulations 2017 & GHS (7th Revision) | Issue Date: March 2026 | Rev: 1.0

Section 1 — Identification

Product Name	Quinoline Yellow (Food Grade E104)
Other Names	Quinoline Yellow GT7040; Acid Yellow 3; E104; D&C Yellow No. 10; C.I. 47005
Catalog No.	ASD-629
CAS No.	8004-92-0
Intended Use	Food colour (E104), pharmaceutical colorant, cosmetic dye — permitted applications only
Supplier	AuSaMicS Pty Ltd, 31 Longview CT, Thomastown VIC 3074, Australia
ABN	56 676 640 467
Phone	+61 412 520 598
Email / Web	support@ausamics.com / www.ausamics.com.au
Emergency (24h)	Poisons Information Centre: 13 11 26 (Australia)

Section 2 — Hazard Identification

GHS Classification	Not classified as hazardous under GHS / WHS Regulations 2017 at supplied concentration for normal intended use.
Signal Word	Warning (precautionary — dust inhalation and eye irritation from powder)
Hazard Statements	H315: May cause skin irritation (dust). H319: Causes serious eye irritation (dust/concentrated solution). H335: May cause respiratory irritation (dust inhalation).
Precautionary Stmts.	P260 · P264 · P271 · P280 · P304+P340 · P305+P351+P338 · P312 · P501
Pictograms	GHS07 (Exclamation mark) — precautionary for powder/dust handling
Other Hazards	Intensely coloured dye — stains skin, clothing, and surfaces. No known sensitisation or mutagenic effects at typical use concentrations.
ADI (food use)	JECFA ADI: 0–10 mg/kg body weight/day



Safety Data Sheet

SDS-ASD-629

www.ausamics.com.au

Section 3 — Composition / Information on Ingredients

Component	CAS No.	Proportion (w/w)	GHS Classification
Quinoline Yellow (mixed mono-/di-sulfonates)	8004-92-0	≥ 72.6% (dye content)	Not classified as hazardous
Sodium sulphate / salt matrix	7757-82-6	Balance	Not classified
Water of crystallisation / moisture	7732-18-5	≤ 12.2%	Not classified
Subsidiary dyes / intermediates	—	< 1.0%	Not classified at supplied levels

Section 4 — First Aid Measures

Inhalation	Remove to fresh air. If respiratory irritation from dust persists, seek medical advice.
Skin Contact	Wash with soap and water. Dye may stain skin yellow/green transiently (fades within hours). No special treatment required; seek advice if irritation persists.
Eye Contact	Rinse immediately with copious water for at least 15 minutes, holding eyelids open. Seek medical attention if irritation persists. Dye staining of conjunctiva is transient.
Ingestion	Rinse mouth with water. Seek medical advice if symptomatic. Product is an authorised food colour (E104) — low acute oral toxicity. May cause transient yellow colouration of urine/faeces.
Medical Note	No specific antidote. Treat symptomatically. Show SDS to physician.

Section 5 — Fire-Fighting Measures

Flash Point	Not applicable (non-flammable powder)
Extinguishing Media	CO ₂ , dry chemical powder, or water spray suitable for surrounding fire
Hazardous Products	CO, CO ₂ , NO _x , SO _x on combustion
Fire-Fighting PPE	SCBA in enclosed fire environments; avoid inhaling dye-containing smoke



Safety Data Sheet

SDS-ASD-629

www.ausamics.com.au

Section 6 — Accidental Release Measures

Personal Precautions	Wear gloves and eye protection. Avoid generating airborne dust from dry powder. Dye stains surfaces — act promptly.
Environmental	Prevent discharge to waterways or stormwater drains. Yellow colouration visible at mg/L levels. Notify appropriate authority for large spills.
Clean-up (dry)	Carefully sweep or vacuum (HEPA). Avoid creating airborne dust. Collect in sealed container. Dispose per Section 13.
Clean-up (solution)	Absorb with inert material (sand, vermiculite). Collect and seal in labelled container. Rinse area with water — staining may persist on porous surfaces.

Section 7 — Handling and Storage

Handling	Well-ventilated area. Wear gloves and eye protection. Avoid dust generation. Intensely coloured — protect clothing and surfaces. Do not eat or drink during handling.
Storage	Cool (< 25 °C), dry, well-ventilated; tightly closed original container; protect from humidity and direct sunlight
Incompatible Materials	Strong oxidising agents (bleach, peroxides, permanganate) — decolourise or degrade dye; strong acids/bases; reducing agents

Section 8 — Exposure Controls / Personal Protection

OEL (Safe Work Australia)	No specific WES established for Quinoline Yellow
Engineering Controls	Local exhaust ventilation when weighing or handling dry powder
Respiratory	P2 dust mask when generating significant dust
Hand Protection	Nitrile or latex gloves (EN 374 / AS/NZS 2161) — dye stains skin
Eye / Face	Safety glasses with side shields; goggles if splash risk
Body Protection	Laboratory coat, closed footwear; dye-resistant apron for large volumes
Hygiene	Wash hands thoroughly after handling. Dye staining of skin fades within hours.

Section 9 — Physical and Chemical Properties



Safety Data Sheet

SDS-ASD-629

www.ausamics.com.au

Property	Value
Physical State (25 °C)	Solid (powder or granules)
Colour	Bright yellow to greenish-yellow
Odour	Essentially odourless
Solubility in Water	Highly soluble; < 0.05% insoluble matter
pH Stability	Stable pH 3–8
Flash Point	Not applicable
Vapour Pressure	Negligible
Hygroscopicity	Moderate — store in closed container
Explosive / Oxidising	Not explosive; not oxidising

Section 10 — Stability and Reactivity

Stability	Stable under recommended storage conditions
Conditions to Avoid	Moisture, prolonged direct sunlight (UV), heat > 120 °C, strong oxidising agents
Materials to Avoid	Oxidising agents (bleach, permanganate) decolourise the dye; strong acids/bases alter stability
Hazardous Decomposition	CO, CO ₂ , NO _x , SO _x on combustion

Section 11 — Toxicological Information

Acute Oral Toxicity	Low — authorised EU food additive E104; JECFA ADI 0–10 mg/kg bw/day established after safety review
Skin Irritation	H315 — mild irritation possible from prolonged contact with dry powder; not classified as sensitiser
Eye Irritation	H319 — causes serious eye irritation (dust/concentrated solution); transient dye staining
Sensitisation	No known skin or respiratory sensitisation at typical use concentrations



Safety Data Sheet

SDS-ASD-629

www.ausamics.com.au

Mutagenicity / Geno.	Not classified; JECFA evaluation: no clear genotoxic concern at ADI levels
Carcinogenicity	Not classified; IARC not evaluated. EFSA 2013: no concern at current ADI.
Reproductive Toxicity	Not classified
STOT	H335 (single exposure) — respiratory irritation from dust inhalation; not classified for systemic STOT

Section 12 — Ecological Information

Aquatic Toxicity	Yellow colouration visible at mg/L levels; prevent discharge to waterways. Limited ecotoxicology data — treat as potentially harmful to aquatic organisms.
Biodegradability	Synthetic dye — limited direct biodegradability; may undergo degradation in advanced treatment systems
Bioaccumulation	Low bioaccumulation potential (ionic, water-soluble compound)
PBT / vPvB	Not assessed; not expected to meet PBT/vPvB criteria

Section 13 — Disposal Considerations

Waste Classification	General chemical/laboratory waste — not classified as hazardous waste at supplied concentration
Disposal Method	Dilute solutions: decolourise with oxidising agent (dilute NaOCl) or activated carbon treatment before drain disposal (check local regulations)
Solid Waste	Dispose via licensed chemical waste contractor
Food-Grade Residues	Residues from permitted food use: follow food waste disposal regulations
Containers	Rinse with water; dispose or recycle per local regulations

Section 14 — Transport Information

UN Number	Not regulated as dangerous goods
ADG (Australia)	Not classified as dangerous goods (road/rail)
IATA / ICAO	Not restricted



Safety Data Sheet

SDS-ASD-629

www.ausamics.com.au

IMDG	Not classified
Special Note	Intensely coloured package — clearly label to prevent confusion

Section 15 — Regulatory Information

AICS (Australia)	Listed on the Australian Inventory of Chemical Substances (AICS)
SUSMP Schedule	Not scheduled for food colour / laboratory use
WHS Regulations	Precautionary irritant classification (dust) — standard laboratory/industrial precautions apply
EU Food Law	E104 — authorised under Regulation (EC) No. 1333/2008 for specified food categories
FSANZ	Permitted food colour under Australia/New Zealand Food Standards Code
US (FDA)	D&C Yellow No. 10 — permitted drugs & cosmetics only (21 CFR 74.1710). NOT permitted for food use in USA.
REACH (EU)	Complies with REACH Regulation (EC) No. 1907/2006

Section 16 — Other Information

SDS Prepared By	AuSaMicS Pty Ltd — Technical & Quality Department
Issue Date	March 2026 · Rev 1.0
Review Date	March 2027 or upon regulatory change
Key References	Safe Work Australia; GHS 7th Rev.; JECFA Quinoline Yellow Monograph; EU Reg. 1333/2008; WHS Regulations 2017
Disclaimer	Information based on current knowledge at issue date. Does not constitute a guarantee. Customers must verify regulatory status in their jurisdiction.

Disclaimer: AuSaMicS Pty Ltd (ABN 56 676 640 467) warrants that this product meets the specifications stated herein at time of manufacture and release. Customers are responsible for ensuring compliance with local food safety regulations in their specific region of use. AuSaMicS Pty Ltd shall not be held liable for any direct, indirect, incidental, or consequential damages resulting from use outside the intended application. By using this product the purchaser agrees to these terms.