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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Product	Tricyclodecenyl Acetate	**Revision date**	2026-11-16
Version	1.0	**Brand**	Richest

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

Product name	Tricyclodecenyl Acetate
Synonyms	Tricyclodecenylacetate; 8-Tricyclo[5.2.1.0(2,6)]dec-4-enyl acetate; Verdyl acetate
CAS No.	2500-83-6
EC No.	219-700-4
Molecular formula	C12H16O2
Molecular weight	192.25 g/mol
Relevant identified uses	Fragrance raw material for formulation evaluation; final suitability is subject to the intended application and Richest COA.
Uses advised against	No specific uses advised against were identified in the reviewed sources.
Company	Richest Group
Address	No. 999, Jiangyue Rd, Minhang, Shanghai 201114, China
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Emergency telephone number	0086 21 5017 5386

SECTION 2: Hazards identification

GHS Classification	Acute toxicity, oral Category 4; Skin corrosion/irritation Category 2; Hazardous to the aquatic environment, long-term hazard Category 3
Pictogram(s)	GHS07
Signal word	Warning
Hazard statement(s)	H302 Harmful if swallowed.; H315 Causes skin irritation.; H412 Harmful to aquatic life with long lasting effects.
Precautionary statement(s)	P264 Wash hands thoroughly after handling.; P273 Avoid release to the environment.; P280 Wear protective gloves/protective clothing/eye protection/face protection.
Other hazards	No other hazards were identified in the reviewed sources.

SECTION 3: Composition/information on ingredients

Component	Tricyclodecenyl Acetate
CAS No.	2500-83-6
EC No.	219-700-4
Classification	Acute toxicity, oral Category 4; Skin corrosion/irritation Category 2; Hazardous to the aquatic environment, long-term hazard Category 3
Concentration	95.00–100.00% (public typical value; not a Richest guaranteed specification)

SECTION 4: First-aid measures	
If inhaled	Move to fresh air; give artificial respiration if not breathing; consult a physician.
In case of skin contact	Remove contaminated clothing and shoes immediately; wash with soap and plenty of water; obtain medical attention.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician; continue rinsing during transport to hospital.
If swallowed	Do not induce vomiting; never give anything by mouth to an unconscious person; rinse mouth with water and consult a physician.
Most important symptoms and effects	No data available
Indication of immediate medical attention	No data available

SECTION 5: Fire-fighting measures	
Suitable extinguishing media	Alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	High-volume water jet
Special hazards arising from the chemical	Toxic fumes may form in combustion.
Advice for firefighters	Wear self-contained breathing apparatus and protective clothing to prevent skin and eye contact.

SECTION 6: Accidental release measures	
Personal precautions and emergency procedures	Wear respiratory and other suitable protection; avoid breathing vapours, mist, gas or dust; ensure adequate ventilation and evacuate personnel to safe areas.
Environmental precautions	Prevent further leakage if safe; do not let product enter drains or rivers.
Methods for containment and cleaning up	Mix with sand or vermiculite, sweep up and transfer to a closable labelled salvage container for appropriate disposal.

SECTION 7: Handling and storage	
Precautions for safe handling	Avoid skin and eye contact and formation of dust and aerosols; wash hands thoroughly after handling; ensure sufficient ventilation and use normal preventive fire protection.
Conditions for safe storage, including incompatibilities	Keep container tightly closed in a dry, well-ventilated area; reseal opened containers carefully and keep upright; sealed, dry, room temperature.

SECTION 8: Exposure controls/personal protection	
Occupational exposure limit values	Contains no substances with occupational exposure limit values in the selected SDS.
Biological limit values	No biological limit values were identified in the reviewed sources.
Appropriate engineering controls	Use good industrial hygiene and safety practice; wash hands before breaks and at the end of the workday.
Eye/face protection	Face shield and safety glasses meeting applicable NIOSH or EN 166 standards.
Skin and body protection	Inspect and use gloves with proper removal technique; use complete chemical-protective clothing selected for workplace concentration and amount.

SECTION 8: Exposure controls/personal protection

Respiratory protection	Where risk assessment supports air-purifying respirators, the SDS lists full-face N100 (US) or P3 (EN 143) cartridges as backup to engineering controls; use a full-face supplied-air respirator if it is the sole protection.
Thermal hazards	No specific thermal hazards were identified in the reviewed sources; see Sections 5 and 10.

SECTION 9: Physical and chemical properties

Physical state	Liquid; Dry Powder; Liquid; CBI
Colour	Clear to straw yellow in PerfumersWorld SDS; clear to amber in LookChem SDS
Odour	Floral, green, herbal
Melting point / freezing point	No data available
Boiling point / boiling range	258.4 ± 19.0 °C at 760 mmHg (predicted in ChemicalBook SDS; LookChem SDS reports 258.4 °C at 760 mmHg)
Flammability	No data available
Explosion / flammability limits	No data available
Flash point	101.8 °C (LookChem SDS)
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Viscosity	No data available
Solubility	177.4 mg/L at 25 °C (estimated)
Partition coefficient n-octanol/water	logP 3.139 (estimated)
Vapour pressure	0.0137 mmHg at 25 °C
Density and/or relative density	1.12 ± 0.1 g/cm3 (predicted in ChemicalBook SDS); LookChem SDS reports 1.12 g/cm3
Relative vapour density	No data available
Particle characteristics	Not applicable (liquid).
Other properties	Estimated public typical properties are listed separately under specifications and are not represented as SDS measurements.

SECTION 10: Stability and reactivity

Reactivity	None reported in the PerfumersWorld Verdyl Acetate SDS
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form an explosive mixture with air; no decomposition if stored and applied as directed
Conditions to avoid	Avoid heat, flames and sparks; keep away from open flames, hot surfaces and other ignition sources
Incompatible materials	No data available
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information	
Additional information	The acute and chronic toxicity of this substance is not fully known according to the selected SDS.
Acute toxicity	GHS acute-toxicity classification: Acute toxicity, oral Category 4; Skin corrosion/irritation Category 2; Hazardous to the aquatic environment, long-term hazard Category 3; H302 Harmful if swallowed. H315 Causes skin irritation. H412 Harmful to aquatic life with long lasting effects.
Skin corrosion irritation	GHS classification: Acute toxicity, oral Category 4; Skin corrosion/irritation Category 2; Hazardous to the aquatic environment, long-term hazard Category 3; H302 Harmful if swallowed. H315 Causes skin irritation. H412 Harmful to aquatic life with long lasting effects.

SECTION 12: Ecological information	
Aquatic hazard classification	GHS aquatic-hazard classification: Acute toxicity, oral Category 4; Skin corrosion/irritation Category 2; Hazardous to the aquatic environment, long-term hazard Category 3; H302 Harmful if swallowed. H315 Causes skin irritation. H412 Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations	
Product disposal methods	Consult state, local or national regulations and hand over to an authorised disposal company as hazardous waste.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal in accordance with local regulations.

SECTION 14: Transport information	
UN Number (ADR/RID, IMDG, IATA)	Not regulated as dangerous goods
UN Proper Shipping Name	Not regulated as dangerous goods
Transport hazard class(es)	Not regulated as dangerous goods
Packing group	Not regulated as dangerous goods
Environmental hazards / Marine pollutant	See cited public SDS
Special precautions for user	Classed non-hazardous for shipping.

SECTION 15: Regulatory information	
Safety, health and environmental regulations specific for the product	TSCA: ON the EPA Toxic Substances Control Act inventory.; California_Proposition_65: Not listed on California's listing of known or potential carcinogens.; chemical_safety_assessment: No Chemical Safety Assessment.

SECTION 16: Other information	
Full text of H-Statements	H302 Harmful if swallowed.; H315 Causes skin irritation.; H412 Harmful to aquatic life with long lasting effects.
Revision date	2026-11-16
Version	1.0

SECTION 16: Other information

References	Supplier technical documents, public SDS/COA/TDS and regulatory sources reviewed. Public data citations are listed below. Public data sources: Tricyclodecenyl Acetate — PubChem CID 98478: https://pubchem.ncbi.nlm.nih.gov/compound/98478 | Tricyclodecenyl Acetate material profile: https://flavscents.com/library/material/5895745069c | Safety Data Sheet A649760 — Tricyclodecenylacetate: https://www.chemblink.com/MSDSFiles/2500-83-6Ambeed.pdf | CAS 2500-83-6 supplier listings: https://www.lookchem.com/cas-250/2500-83-6.html | Tricyclodecenyl acetate product information: https://www.chemicalbook.com/ChemicalProductProperty_EN_CB7401406.htm | PubChem Verdyl acetate (CID 110655): https://pubchem.ncbi.nlm.nih.gov/compound/110655 | Verdyl Acetate - Safety Data Sheet: https://ns216137190147.a2dns.com/document-list.php?pro_id=3LJ01926 | TRICYCLODECENYL ACETATE CAS 2500-83-6 - Safety Data Sheet: https://www.lookchem.com/sds2500-83-6.html | Tricyclodecenyl acetate CAS 2500-83-6 - Safety Data Sheet: https://www.chemicalbook.com/msds/tricyclodecenylacetate.htm
Abbreviations	CAS: Chemical Abstracts Service; ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road; IMDG: International Maritime Dangerous Goods; IATA: International Air Transport Association; SDS: Safety Data Sheet.
Disclaimer	The information in this SDS applies to the specified product and is provided in good faith based on information available to Richest Group at the date of issue. It describes health, safety and environmental requirements and does not constitute a guarantee of product properties. Users must assess suitability and comply with applicable regulations.