

Safety Data Sheet

in accordance with Regulation (EC) No 1907/2006 (REACH), as amended by 2020/878/EU

HYDROACETONE™

Version: SDS 1.0 — Revision: September 2026

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

1.1 Product identifier

Trade name: HYDROACETONE™

Product type: Mixture — Single-phase solution

1.2 Relevant identified uses and uses advised against

Identified uses: Professional cleaning of cultural heritage. Removal of acrylic varnishes, synthetic resins.

Uses advised against: Non-professional use. Not for food-contact surfaces.

1.3 Details of the supplier of the safety data sheet

Manufacturer: Lab4Green S.r.l.

Distributor: I.M.A.R. ITALIA S.r.l. — Via Vetulonia 6, 00183 Rome, Italy

Tel. +39 06 7759 1764 — www.imaronline.com — info@imaronline.com

Scientific responsibility: Prof. Andrea Macchia (Lab4Green / YOCOCU APS)

1.4 Emergency telephone number

Poison Control Centre — Ospedale Niguarda, Milan: +39 02-66101029 (24 h)

SECTION 2: Hazards identification

2.1 Classification of the mixture

Classification according to Regulation (EC) No 1272/2008 (CLP):

Classification is determined by the organic solvent component present at 50–65 % w/w.

Hazard class	Category	Hazard statement
See component classification		H225 — Highly flammable liquid and vapour.
See component classification		H319 — Causes serious eye irritation.
See component classification		H336 — May cause drowsiness or dizziness.
Supplemental information		EUH066 — Repeated exposure may cause skin dryness or cracking.

2.2 Label elements

Pictograms: GHS02, GHS07

Signal word: **DANGER**

Hazard statements:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames. No smoking.

P233 Keep container tightly closed.

P280 Wear protective gloves/eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

P337+P313 If eye irritation persists: Get medical advice.

P271 Use only outdoors or in a well-ventilated area.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local regulations.

2.3 Other hazards

PBT/vPvB assessment: the mixture is not classified as PBT or vPvB.

Does not contain endocrine disruptors (ED) at $\geq 0.1\%$.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Proprietary formulation. Concentration ranges are reported to protect trade secrets.

Component	CAS / EC	% w/w	CLP classification
Acetone (propan-2-one)	67-64-1 / 200-662-2	50–65	H225, H319, H336, EUH066
Demineralised water	—	35–50	Not classified
Proprietary surfactant system	Not disclosed	1–4	Not classified at use concentrations

Note: Exact percentages and surfactant identity are proprietary information (trade secret, Art. 10.4.1 & Annex II, Reg. 1907/2006). Full information available to competent authorities on request.

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled: Move to fresh air. If breathing is irregular, seek medical attention immediately.

Skin contact: Wash thoroughly with soap and water. Remove contaminated clothing.

Eye contact: Rinse with running water for at least 15 minutes. Seek medical advice if irritation persists.

If swallowed: Rinse mouth with water. Do NOT induce vomiting. Contact a Poison Centre.

4.2 Most important symptoms and effects

Possible narcotic effects (drowsiness, dizziness) upon prolonged inhalation in unventilated spaces.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable: Alcohol-resistant foam, dry chemical powder, CO₂, water mist.

Not suitable: Water jet.

5.2 Special hazards

Combustion produces CO and CO₂. Solvent vapours are heavier than air and may form explosive mixtures.

SECTION 6: Accidental release measures

6.1 Personal precautions

Wear PPE (nitrile gloves, goggles, Type A filter mask). Eliminate ignition sources. Ventilate area.

6.2 Environmental precautions

Prevent entry into drains, surface water and groundwater.

6.3 Methods and material for containment

Absorb with inert material (sand, sawite, diatomite). Collect in closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use local and general ventilation. Avoid ignition sources. No smoking. Anti-static precautions. Wash hands after use. Shake before use.

7.2 Conditions for safe storage

Store in a cool (5–35 °C), well-ventilated place, away from direct sunlight. Keep container tightly closed. Approved packaging (ADR). Shelf life: 12 months.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits: Acetone: TWA 500 ppm (1210 mg/m³).

8.2 Exposure controls

Hand protection: Nitrile gloves (≥ 0.35 mm, EN 374). Breakthrough time > 120 min.

Eye protection: Safety goggles with side shields (EN 166).

Respiratory protection: If ventilation is insufficient: half-mask with Type A filter (EN 141).

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Parameter	Value
Appearance	Clear, colourless solution
Odour	Characteristic of the solvent
pH (aqueous phase)	5–6
Flash point	< 23 °C (estimated)
Boiling point (solvent)	56 °C
Density (20 °C)	0.84–0.92 g/mL
Viscosity (25 °C)	< 5 mPa·s
Stability	> 12 months
Residues after evaporation	None
Evaporation rate	Comparable to pure acetone
Water solubility	Miscible

SECTION 10: Stability and reactivity

10.1 Reactivity: Stable under recommended conditions.

10.2 Chemical stability: Stable. Shake before use to restore homogeneity.

10.3 Possibility of hazardous reactions: None known.

10.4 Conditions to avoid: Heat, flames, sparks, electrostatic discharge.

10.5 Incompatible materials: Strong oxidisers, strong acids, strong bases.

10.6 Hazardous decomposition products: CO, CO₂ (combustion).

SECTION 11: Toxicological information

The mixture has not been tested as a whole. Classification is based on component data and the calculation method (CLP Regulation).

Acute toxicity: Determined by solvent component (see pure solvent SDS).

Not classified as mutagenic, carcinogenic or toxic for reproduction.

SECTION 12: Ecological information

12.1 Toxicity: Not classified as hazardous to the aquatic environment at these concentrations.

12.2 Persistence: Acetone: readily biodegradable.

12.3 Bioaccumulation: Low bioaccumulation potential.

SECTION 13: Disposal considerations

Waste code (EWC): 14 06 03*

Do not dispose of via drains. Dispose as hazardous waste in accordance with local regulations.

SECTION 14: Transport information

	ADR/RID/ADN	IMDG	ICAO/IATA
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UN number	UN 1090	UN 1090	UN 1090
Proper shipping name	ACETONE	ACETONE	ACETONE
Hazard class	3	3	3
Packing group	II	II	II
Environmental hazard	No	No	No

SECTION 15: Regulatory information

Regulation (EC) No 1907/2006 (REACH). Regulation (EC) No 1272/2008 (CLP). Seveso III Directive (2012/18/EU).

The solvent component is not listed in REACH Annex XIV (Authorisation) nor in the SVHC Candidate List.

SECTION 16: Other information

Full text of H-statements:

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

EUH066: Repeated exposure may cause skin dryness or cracking.

Data sources: Pure component SDS; ECHA databases; CLP harmonised classification.

Disclaimer: The information is based on current knowledge and is provided in good faith. The user is responsible for verifying suitability for their specific application. Lab4Green S.r.l. assumes no liability for improper use.