

TECHNICAL DATA SHEET

CL UST 10 Universal Safety Thinner

Safety-type universal paint thinner

Document no.	CL-TDS-UST-10 (ENG)
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Chemistry / role	Solvent · Thinner
System	Thinner (not a coating)

SECTION 1 PRODUCT DESCRIPTION

Safety-type universal thinner, an ester-based solvent blend, supplied as a colourless, transparent liquid with a slight odour. It is used to adjust the viscosity of paint for application.

Closed-cup flash point 63 °C. Classified in the Safety Data Sheet as a flammable liquid (Category 4, H227 combustible liquid) and as an eye irritant (Category 2, H319).

SECTION 2 KEY FEATURES

- Safety-type solvent: closed-cup flash point 63 °C, auto-ignition temperature 480 °C.
- Colourless, transparent liquid; slight odour.
- Insoluble in water; boiling range 160–210 °C.
- Hazard classification: flammable liquid Category 4; serious eye irritation Category 2 (see Safety Data Sheet).

SECTION 3 SCOPE OF APPLICATION

Thinning of Century Lion paints where a safety-type thinner is specified. [\[TBC: confirm the list of compatible products\]](#)

SECTION 4 COLOURS

Colourless, transparent liquid

SECTION 5 TECHNICAL DATA

Typical values; they should not be construed as a specification.

No.	Property	Specification	Test method
1	Appearance	Colourless, transparent liquid	TBC
2	Odour	Slight odour	TBC
3	Flash point (closed cup)	63 °C	TBC
4	Initial boiling point and boiling range	160–210 °C	TBC
5	Auto-ignition temperature	480 °C	TBC
6	Melting point / freezing point	-40 °C	TBC
7	pH	8	TBC
8	Solubility	Insoluble in water	TBC
9	Flammability	Combustible	TBC
10	Relative density (water = 1)	TBC	TBC
11	Viscosity	TBC	TBC

SECTION 6 FILM THICKNESS AND COVERAGE

Dry film thickness (DFT) per coat	Not applicable
Wet film thickness (WFT) per coat	Not applicable
Theoretical coverage	Not applicable

SECTION 7 SURFACE PREPARATION

1. Not applicable: thinner is added to paint and is not applied to a surface on its own.

SECTION 8 MIXING AND APPLICATION

Thin paint at the dilution given in the data sheet of the paint being thinned.

Dilution ratio	[TBC: confirm per paint. The data sheets of CL ACR 11, CL ACR 13, CL ETC 11 and CL ZRP 21 Lite quote paint : thinner = 100 : 20–35 by weight for spray application]
Typical thinner for	[TBC: confirm against the "safe environmental thinner or safety-type thinner" named in the CL ACR 11, ACR 13, ETC 11 and ZRP 21 Lite data sheets]

SECTION 9 COMPATIBILITY

Paints that may be thinned	[TBC: confirm]
Do not use with	[TBC: confirm]

SECTION 10 PACKAGING

Pack size	Net weight	Notes
TBC	TBC	Typical factory pack sizes; may vary by region

Typical factory reference packaging; pack sizes and volumes may vary by region due to local regulations.

SECTION 11 STORAGE AND SHELF LIFE

Storage environment	Dry, cool, well-ventilated area; keep containers tightly closed
Precautions	Keep away from heat sources, sparks, open flames and hot surfaces; store away from incompatible materials and food containers
Shelf life	TBC

SECTION 12 SAFETY PRECAUTIONS

1. Combustible liquid: keep away from heat, sparks, open flames and hot surfaces. No smoking.
2. Causes serious eye irritation: wear safety goggles; if in eyes, rinse cautiously with water for several minutes and remove contact lenses if easy to do.
3. Wear anti-static chemical protective gloves and anti-static protective clothing; handle in a well-ventilated area.
4. Avoid contact with skin and eyes; wash hands thoroughly after handling.
5. Dispose of contents and container in accordance with local, regional, national and international regulations.

Refer to the Safety Data Sheet (SDS) for full hazard, first-aid and disposal information.

SECTION 13 DISCLAIMER

The information in this data sheet is based on our laboratory knowledge and practical experience. The product is considered a semi-finished product and its use is generally beyond our control; we therefore guarantee only the quality of the product itself.

To comply with local regulations the product may be adjusted, and we reserve the right to modify this data sheet without further notice. Users should seek specific guidance on product suitability for their own needs and applications.