

Da Nang, December 08th, 2025

PRODUCT DATA SHEET

1. Product Name • Basic Information

- Product Name: **CT-CLM Thinner.**
- Product Classification: Solvent for cleaning metal surfaces before painting.
- Main applications: degreasing, de-greasing before painting for steel structures, beams, columns, frames, machine parts.

2. Product Concept

- **Design Goals:**
 - Prioritizing degreasing ability.
 - Minimizing negative impacts on the working environment.
- **Main Ingredients (Concept):**
 - **Aliphatic hydrocarbon** base.
 - Add a small amount of **aromatic hydrocarbons** to heavy grease.
 - Combine **alcohol solvents** to improve dryness and surface finish after wiping.
- **Overall Intention:**
 - “Good removal – Easy to use – Stable surface before painting”.

3. Scope of application • Target parts/Stains

- **Base material (reference)**
 - General carbon steel, structural steel, steel machine parts.
- **Targeted dirt**
 - Mineral oil, machine oil, lubricating grease, anti-rust oil, temporary storage oil.
- **Typical usage steps**
 - Wipe off oil with a solvent-soaked cloth.
 - Special cases: quick dip + wipe again with a cloth.

For **aluminum, cast zinc, plastic, rubber**: test on a small sample first

4. Main features

1. **Removes many types of grease**
 - Aliphatic base for stable solubility.
 - Add a little aromatic to treat strongly adherent grease.
2. **Reduces pungent odor, can be used for continuous hand wiping**
 - Aromatic ratio is controlled at the required level.

- Suitable when there is adequate ventilation in the working.
 - 3. **Dries relatively quickly, leaving few traces**
 - Alcohol component helps solvent evaporate faster.
 - Reduces stickiness, reduces the amount of solvent remaining on the surface.
 - 4. **Does not deteriorate the quality of the next paint layer**
 - Limits volatile residues.
 - The surface after cleaning is suitable for adhesion and appearance of the coating.
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5. Recommended conditions of use (wipe by hand with a rag)

Basic procedure:

1. Remove welding slag, spatter, dust, and coarse rust.
2. Soak CT-CLM Thinner in a clean rag.
3. Wet the area to be painted evenly.
4. Heavy stains: replace with a new rag, repeat wiping 2-3 times.
5. Let the part dry naturally for a few minutes to more than 10 minutes, when the surface is dry and the solvent smell is clearly reduced, then proceed to the painting stage.

Environmental conditions:

- Temperature: about 10-35°C.
 - Ventilation: enough air flow for working area with flammable solvents.
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6. Adjust according to factory conditions

- **Low temperature, slow drying**
 - Increase waiting time, combine with fan / gentle drying (no direct heat source).
 - **Simple dip application**
 - Pre-check: tank capacity, dip time, ventilation, drying area.
 - After the trial period, fix suitable operating conditions for each factory.
 - **Customize according to each project**
 - Need stronger bleach → consider increasing the proportion of “strong” ingredients within the design range.
 - Need faster drying → consider increasing the proportion of volatile solvents.
 - Details will be designed by CTV and stated in the technical document / separate proposal.
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7. Representative parameters (expected)

- Appearance: clear liquid, colorless to slightly yellow.
- Specific gravity (20°C): about 0.75-0.80.
- Flash point: about 30–40°C.
- Specifications: 18L can, 200L drum (according to MOQ).
- Storage: avoid direct sunlight, avoid high temperature / heat source, close the lid, store in a covered warehouse.

Detailed specifications: refer to the latest Product Standard Table and SDS.

8. Safety • Notes when using

- Flammable liquid → absolutely no fire, no smoking, avoid sparks.
 - Work in a well-ventilated area, wear a solvent vapor mask, goggles, solvent-resistant gloves.
 - Skin contact: wash immediately with soap and plenty of water.
 - Eye contact: wash with clean water, if pain persists, seek medical attention.
 - Spill: use non-flammable absorbent material, collect; do not flush down the drain.
 - Waste (residual solvent, dirty rags, sludge): dispose of according to regulations on hazardous industrial waste.
 - More detailed information: see the latest SDS of CT-CLM Thinner.
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