



Alkemist®

Technical Data Sheet

ALKEMIST | Industrial & Specialty Chemicals

Document No: TDS-ALK-DC20-001

Revision: 1.0

Technical Data Sheet

ALKEMIST | Industrial & Specialty Chemicals

Manufacturer: ALKEMIST

Supplier / Dealer: ALKEMIST | Water and Chemicals Solution — Pakistan & Gulf

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ALK-DC-2.0 MOLD DEGREASER

Professional Fast-Evaporating Mold Cleaner & Degreaser

Document No: TDS-ALK-DC20-001

Revision: 1.0

Issue Date: 15 November 2025

Batch No: ALKDC20-2511151

Manufacturer: ALKEMIST

Product Code: ALK-DC-2.0

Alternative Reference: TC20 Degreaser

Status: Final Standard Document

ALK-DC-2.0

PROFESSIONAL MOLD CLEANER & DEGREASER | FAST EVAPORATING | LOW RESIDUE | TC20 ALTERNATIVE

PRODUCT DESCRIPTION

ALK-DC-2.0 is a professional fast-evaporating mold cleaner and degreaser developed as an ALKEMIST alternative to TC20-type industrial degreasers. It rapidly dissolves mold-release agents, grease, oil, wax, adhesive residues and uncured resin while drying quickly and leaving very low residue.

KEY FEATURES AND BENEFITS

Feature	Benefit
High Solvency	Removes grease, oils, waxes and release residues.
Fast Evaporation	Reduces production downtime.
Low Residue	Minimises film formation before molding.

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Address: Rail Bazar, Near Cheema Medical Store, Hafizabad, Punjab, Pakistan

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Balanced Polarity	Broad cleaning action on mixed soils.
No Water Rinse Normally Required	Suitable for wipe-clean maintenance after full evaporation.

APPLICATIONS

Application	Use
Injection Molds	Release-agent and oil removal after cooling.
Compression / Rubber Molds	Grease and uncured compound residue removal.
Composite Molds	Selected wax and resin residue removal after compatibility testing.
Dies, Jigs and Fixtures	Rapid maintenance degreasing.
Metal Parts	Oil, grease and fingerprint removal.

FINAL STANDARD TECHNICAL DATA

Parameter	Value
Appearance	Clear, colourless liquid
Specific Gravity	0.75–0.79 at 20°C
Boiling Range	56–100°C
Flash Point	Below -10°C, closed cup
Evaporation Rate	Fast
Water Solubility	Partial
Non-Volatile Residue	≤0.05%

Viscosity	<2 mPa·s at 20°C
VOC Content	Approx. 98–100%
Use Temperature	5–35°C; apply only to cool, de-energised surfaces

APPLICATION PROCEDURE

1. Stop machinery and isolate ignition and energy sources.
2. Allow the mold to cool below 35°C.
3. Remove loose debris.
4. Apply to a lint-free cloth or use controlled spray.
5. Wipe until contamination dissolves.
6. For heavy soils, allow 30–90 seconds contact and agitate with a compatible nylon brush.
7. Wipe dry and allow complete evaporation before restart.

MATERIAL COMPATIBILITY

Material	Guidance
Tool Steel / Stainless Steel	Generally suitable for short contact.
Aluminium	Test anodised or coated surfaces first.
Copper / Brass	Test before use and wipe dry promptly.
Polycarbonate / Acrylic / ABS	Not recommended without testing.
Rubber / Elastomers	May swell or soften; test first.
Painted Surfaces	May soften or remove coatings.

PERFORMANCE GUIDANCE

Soil	Method	Contact
Light oil	Single wipe	Immediate
Mold-release residue	Wet wipe then dry wipe	15–60 seconds

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Heavy grease	Repeat application and brush	30–90 seconds
Adhesive / uncured resin	Spot application after testing	Up to 2 minutes

STORAGE / PACKAGING / SHELF LIFE

Packaging	500 mL, 1 L, 5 L, 20 L, 25 L, 160 kg drum and custom packaging.
Storage	5–30°C in a ventilated flammable-liquid store.
Shelf Life	24 months in original sealed packaging.
Transport	UN1993, Class 3, Packing Group II.

SAFETY STATEMENT

Highly flammable. Use only on cool, isolated equipment in a well-ventilated area. Wear solvent-resistant gloves and eye protection. Read the SDS before use.

TECHNICAL DISCLAIMER

Final TDS issued 15 November 2025. Validate on actual mold metallurgy, coatings, seals and production conditions.

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