Application Areas:

MT-CL 730 CuredClean is a high-temperature heavy-duty liquid cleaner engineered specifically for dissolving, chemically degrading, and stripping fully cured, crosslinked, and reacted polyurethane (PUR) hot melt adhesives from applicator systems and tools.

Ideal for deep chemical decontamination of melting pots, hoses, coating heads, slot nozzles, spray guns, filters, glue pumps, and dismantled components fitted with PTFE (Teflon, Hostaflon) seals.

Delivers outstanding stripping efficiency both via continuous heated circulation inside melt and applicator units (180–190 °C) and in static high-temperature immersion baths (180–190 °C).

Characteristics & Directions for Use:

Thermoset Polyurethane Network Breakdown: Chemically swells and hydrolyzes crosslinked, infusible PUR polymer deposits at 180–190 °C, transforming rock-hard adhesive crusts into easily flushable liquid residues.

High Thermal Stability & Low Volatility: Formulated with a specialized high-boiling ester/glycol ether matrix, ensuring low evaporation loss and sustained solvency during prolonged hot immersion cleaning cycles.

Substrate Safe for Metals & PTFE: Non-corrosive to carbon steel, stainless steel, aluminum, brass, and genuine PTFE (Teflon) seals and gaskets.

Water Washable: After hot bath cleaning, parts removed with tongs rinse cleanly under cold running water, emulsifying residual cleaner quickly without leaving sticky films.

Processing Parameters & Operating Conditions:

Process Parameter	Specification / Operating Condition
Processing / Bath Operating Temperature	180 – 190 °C (Strictly do not exceed 190 °C!)
Application Mode	Continuous Machine Circulation / Static Hot Soaking Bath
Cleaning Duration (Soak / Cycle Time)	approx. 60 – 120 minutes (depending on crosslinked layer)
Maximum Permissible Temperature	190 °C (Must be respected to prevent ignition hazard)
Cooling & Rinsing Protocol	Cool under running cold water immediately after removal, then dry
Seal & Gasket Compatibility	PTFE (Teflon), Hostaflon, High-Temp Fluoropolymer seals

Physical & Technical Specifications:

Technical Parameter	Test Method & Specification Value
Chemical Base	High-Boiling Organic Ester / Glycol Ether Blend & Depolymerizing Agents
Physical Appearance	Colourless to Slightly Pale Yellow Clear Fluid Liquid
Density (@ 20°C)	approx. 1.10 ± 0.02 g/cm³
Flash Point	> 195 °C (Closed Cup)
Boiling Point	> 240 °C
Solids Content	0 % (100% Volatile/Washable Liquid Solvent System)

Performance Ratings & Quality Scores:

Crosslinked PUR Degradation Power	**99 / 100**
High-Temperature Thermal Stability	**96 / 100**
Metal & PTFE Substrate Safety	**98 / 100**
Water Rinseability & Low Residue	**95 / 100**
Circulating Purge & De-Clogging Efficiency	**94 / 100**

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Mayer Industrial Adhesive Solutions Inc.

Cleaning & Maintenance:

Rinse disassembled tools thoroughly under running cold water after removal from the hot bath. Moisten cleaning cloths with water prior to wiping and rinse cloths with water immediately after cleaning.

Shelf Life & Storage Conditions:

Store in properly closed original containers in a cool, dry, well-ventilated location (15 – 25 °C). Protect from frost, direct heat, and ignition sources. Shelf life is 24 months from manufacture date.

Packaging & Delivery Form:

5 kg / 25 kg Chemical-Resistant Steel Canister / 200 kg Drum.

Important Remarks & Legal Disclaimer:

CAUTION — FIRE HAZARD: The cleaner MT-CL 730 CuredClean must NOT be allowed to reach temperatures above 190 °C! Moisten cleaning cloths prior to use and rinse thoroughly with water after cleaning.

Certain standard elastomer seals (e.g. NBR) and soft plastics will degrade or melt at 190 °C; ensure only PTFE (Teflon) or heat-resistant metallic seals are exposed to the hot bath.

Ensure local extraction and vapor capture systems are operational above hot soaking baths.

Mayer Adhesive Engineering & Quality Standards:

Quality Assurance: ISO 9001:2015 certified production with tight purity and depolymerization efficacy audits.

Maintenance Engineering Advisory: Technical guidance on reclaiming seized nozzles and optimizing offline cleaning baths.

Industrial Safety Formulation: Optimized flash point and thermal headroom for severe maintenance procedures.

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