

MULTITEK™ METAL PARTS CLEANER

Cleaning Solvent for Removal of Cured Polyurethane

Product Description

Special purpose, non-flammable, solvent material for removal of cured polyurethane, polyurea and other thermosetting polymers such as epoxy.

Product Uses

MULTITEK™ METAL PARTS CLEANER is suitable for the simple removal of cured polyurethane / polyurea residues from dispense equipment components such as pumps, dispense and spray heads etc. It allows “contact-less” cleaning of delicate, precision machined metal components such as impingement nozzles and mix chambers.

This reduces wear and the occurrence of mechanical damage to these parts often caused by cleaning with drill bits, scrapers or cleaning wires. Chemical cleaning ensures that precision orifices retain their dimensions and remain damage and score free for as long as possible, helping to maintain accurate and trouble free dispense machine operation.

MULTITEK™ METAL PARTS CLEANER is typically used hot for rapid cleaning. It is also effective used cold, though cleaning processes will take days instead of minutes or hours.

Features

MULTITEK™ METAL PARTS CLEANER is an easy to use cleaner suitable for cleaning parts at ambient temperature if required, or for more efficient, rapid cleaning it can be heated to 80 °C.

MULTITEK™ METAL PARTS CLEANER is suitable for cleaning all ferrous and non-ferrous metals, plus polymer materials having high chemical resistance such as fluoropolymers, polyethylene, polypropylene, nylon etc.

Important – MULTITEK™ METAL PARTS CLEANER is not suitable for cleaning polymer or rubber O-Rings, seals or gasket materials such as Buna N rubber, neoprene, silicone or Viton®.

- Simple, effective use for metal parts cleaning
- No damage “contact-less cleaning”
- Quickly breaks down polyurethane/polyurea
- Non-flammable
- Use hot or cold if preferred
- Non-corrosive toward most metals

Storage

MULTITEK™ METAL PARTS CLEANER should be stored between 15°C and 25°C. Drums must remain tightly sealed against moisture ingress. Under these storage conditions these materials will have a shelf life of 6 months. Storage at temperatures other than detailed can result in degradation of the product, rendering the materials unusable. Ingress of humidity or water into the drums during storage or use will also make the materials unusable.

Packaging

MULTITEK™ METAL PARTS CLEANER 20kg pails

Application Guidelines

Elevated Temperature Use

Heat MULTITEK™ METAL PARTS CLEANER in a temperature controlled vessel such as an electric frying pan or hot chip cooker. The frying pan must be porcelain or Teflon® coated. Do not use a pan made out of temperature resistant plastic as the MULTITEK™ METAL PARTS CLEANER will probably dissolve it.

Safety glasses, protective clothing and chemical resistant gloves must be worn when using this cleaner. Use great care when handling heated cleaner. Use chemical resistant tongs to add or remove parts from the cleaner.

Half fill the pan with MULTITEK™ METAL PARTS CLEANER. Set the pan thermostat to 80°C and heat the cleaner. If they are to be reused later, remove all rubber like seals and O-rings from the part to be cleaned, as the MULTITEK™ METAL PARTS CLEANER will dissolve or swell these materials.

Completely immerse the part in the cleaner and allow to soak until the polyurethane residue softens to a gel. This may take 10 to 30 minutes depending on the amount of residue present. When softened, the gel can be flushed, brushed or shaken away. Compressed air may also be used to blow clean parts, narrow ports etc. Any remaining residue can be removed by further soaking in the cleaner.

Once clean, allow the part to cool completely. MULTITEK™ METAL PARTS CLEANER residue can be rinsed from the part using common solvents such as water, acetone, Multitek MEK, MULTITEK™ XYLENE. MULTITEK™ METAL PARTS CLEANER can be reused time and again until it becomes a dark brown colour and loses dissolving power.

Large components may be cleaned by soaking cotton cloth in warm to hot MULTITEK™ METAL PARTS CLEANER and draping the soaked cloth over the component.

Ambient Temperature Use

When using at ambient temperature, follow the same use and handling precautions. Simply use without heating. Softening of residues by this method may take several days depending on the amount of residue present.

Disposal of Used MULTITEK™ METAL PARTS CLEANER

Used cleaner may be disposed of by an approved chemical waste removal agency. Alternatively, the used cleaner can be allowed to solidify as water etc. evaporates from the liquid over a period of 1 – 2 weeks. When solid, the residue which is largely solidified polyurethane, may be disposed of as nonhazardous solid industrial waste.

Clean up

Clean up liquid leakage or spills using rags or other absorbent material. Final cleaning can be achieved using solvents such as MULTITEK™ XYLENE, MEK or acetone or using warm soapy water.

Typical Properties

PROPERTY	TYPICAL VALUE
Appearance	Clear, colourless to pale yellow liquid
Viscosity (@ 25°C) - ASTM D2196	1.7 – 2.5 mPa.s
Specific Gravity (@ 25°C) - ASTM D1475	1.03 g/ml
Melting Point	-24.4 °C
Boiling Point	203 °C
Solubility in Water	Miscible
Flash Point	91-95 °C
Auto ignition Temperature	245 °C
Lower Explosive Limit	1.56%
Upper Explosive Limit	9.50%

Health and Safety

Operators must have full awareness of the material safety requirements before any work is undertaken.

While MULTITEK™ METAL PARTS CLEANER is a non-hazardous material, contact with skin or eyes should be avoided as a matter of good practice.

Preventative PPE should be worn when handling MULTITEK™ METAL PARTS CLEANER and it should be used in areas with adequate ventilation. Required PPE includes butyl or nitrile gloves, safety goggles or full-face shield, coveralls and chemical resistant safety boots. A half or full face respirator fitted with suitable organic vapour filters should be worn if this product becomes atomised during use.

In case of spills and accidents, refer to the MSDS of the products or when in doubt contact your local GCP representative.

For full information, consult the relevant MSDS

Product Risk

The MULTITEK™ METAL PARTS CLEANER is not intended for use by other than experienced operators. The data herein requires experience and knowledge to attain correct interpretation and outcome. The user must undertake all relevant tests to determine the suitability for the intended application, as such determination of fitness of purpose for product use, is the sole responsibility of the purchaser.

Limitations

Information contained in this document does not cover all possible application scenarios or imply product suitability for an application. Please contact your local GCP representative or the GCP Technical Department for further information.

Warranties

GCP and contractors recognised by GCP as experienced in the application of GCP products will provide warranties for individual projects. Warranty periods offered are dependent on project details and complexity. Requests for very long warranty periods may necessitate increased membrane thicknesses to ensure longevity. Contact your local GCP representative for further details.

Release Date: 02/11/18. The information contained in this product data sheet supersedes all previous versions.

gcpat.com.au | For technical information: anz.enq@gcpat.com

Australia 1800 334 444 New Zealand 0800 552 235 China Mainland +86 21 3158 2888 Hong Kong +852 2675 7898 India +91 124 402 8972 Indonesia +62 21 893 4260 Japan +81 3 5226 0231 Korea +82 32 820 0800 Malaysia +60 3 9074 6133 Philippines +63 49 549 7373 Singapore +65 6265 3033 Thailand +66 2 709 4470 Vietnam +84 8 3710 6168

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

MULTITEK is a trademark of GCP Applied Technologies, Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2019 GCP Applied Technologies, Inc. All rights reserved.

GCP Applied Technologies Inc., 62 Whittemore Avenue, Cambridge, MA 02140, USA

Printed in Australia GCP PDS 064 07/17

This document is only current as of the last updated date stated below and is valid only for use in Australia. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on www.gcpat.com.au. Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2019-02-15

gcpat.com.au/solutions/products/multitek-metal-parts-cleaner