

MULTITEK™ PUMP FLUSH

Flushing Solvent for Polyurethane Dispense Equipment

Product Description

Special purpose, non-flammable, phthalate free, solvent material for flushing and short term storage of polyurethane/polyurea dispense equipment. MULTITEK™ PUMP FLUSH has excellent solubility with polyurethane and polyurea raw materials and full compatibility with GCP polyols, polyamines and isocyanates.

Product Uses

MULTITEK™ PUMP FLUSH is ideally suited as an effective solvent for removal of unreacted, liquid polyurethane and polyurea raw materials from dispense and spray equipment. It quickly flushes residual polyol and isocyanate from pumps, metal components, and rubber or polymer hoses, dispense heads and impingement mix spray guns.

MULTITEK™ PUMP FLUSH is typically used for flushing and short term storage of dispense equipment and as a flushing material when changing between polyurethane systems

Features

MULTITEK™ PUMP FLUSH is a non-toxic, non-hazardous solvent flushing material containing no harmful phthalate based compounds.

It is designed as a safe effective replacement for traditional flushing fluids such as DOP and other phthalate plasticisers.

This material is an excellent solvent for polyol, polyamine and isocyanate materials commonly encountered in polyurethane and polyurea processing. It is also safe for contact with most metals, rubbers and polymers encountered in dispense equipment.

- Simple, effective use for equipment flushing
- Will not damage O-rings, seals or seats
- Offers mild lubrication to pump components
- Non-hazardous and non-dangerous goods
- Non-flammable
- Non-corrosive toward most metals

Application Guidelines

This product is designed for use at ambient temperatures. Dispense equipment heaters are not required during flushing operations.

Use only clean, dry MULTITEK™ PUMP FLUSH that has been stored in a well-sealed container.

Place transfer pumps into pails of MULTITEK™ PUMP FLUSH or add MULTITEK™ PUMP FLUSH to emptied dispense machinery component tanks.

Recirculate MULTITEK™ PUMP FLUSH through the machinery system and fully flush material lines and dispense head/spray gun until clean MULTITEK™ PUMP FLUSH emerges.

Important – Never allow polyol contaminated MULTITEK™ PUMP FLUSH to be used for flushing the isocyanate side of dispense machinery, or vice versa. Cross-contamination will result in polyol-isocyanate reaction and can cause blockage of hoses, pumps and dispense heads or spray guns.

After full flushing is complete, repeat the flushing process using clean, dry MULTITEK™ PUMP FLUSH. MULTITEK™ PUMP FLUSH may remain in the equipment for short periods of time – up to 1 month. If longer term equipment storage is required, repeat the flushing process after 1 month using MULTITEK™ PUMP STORE.

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	20 – 30 mPa.s
Specific Gravity (@ 25°C) – ASTM D1475	1.09 g/ml
Melting Point	-20 °C
Boiling Point	196 – 225 °C
Solubility in Water	5.3 g/litre
Flash Point	100 °C
Auto ignition Temperature	370 °C

Storage

MULTITEK™ PUMP FLUSH 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™ PUMP STORE 20kg pails / 220kg drums

Health and Safety

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

While MULTITEK™ PUMP FLUSH 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™ PUMP FLUSH and it should be used in areas with adequate ventilation.

Product Risk

The MULTITEK™ PUMP FLUSH 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.

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