

TECHNOMELT PUR CLEANER ALL-IN-1

Known as Purmelt Cleaner all-in-one
November 2022

PRODUCT DESCRIPTION

TECHNOMELT PUR CLEANER ALL-IN-1 provides the following product characteristics:

Technology	Cleaner
Product Type	Cleaning agent
Application	Graphic Industry
Appearance	light red, Solid

Application Areas

- Cleaning Agent for Polyurethane Hotmelts
- especially for bulk melters, hoses and nozzles
- also suitable for tank melters

Product Properties

- Cleaner for melting tanks, pumps, tube- and pipe systems as well as application units including nozzle applicators, specially to remove none cured and cured polyurethane hotmelt as well as carbonised hotmelt residues.

Technical Data

TECHNOMELT PUR CLEANER ALL-IN-1:

Viscosity, Brookfield - 100 °C, mPas 8,000 to 11,000
Spindle 27, 20 rpm

Flash point, °C 193.5
DIN EN ISO 2719

DIRECTIONS OF USE

Preliminary Statement

Prior to application it is necessary to read the **Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Processing

Cleaning of application units with bulk melter

TECHNOMELT PUR CLEANER ALL-IN-1 is especially suitable for the cleaning of polyurethane application units with bulk melter. The TECHNOMELT PUR container is removed from the melting unit and replaced by the drum of TECHNOMELT PUR CLEANER ALL-IN-1.

The temperature of the plate should not exceed 100 °C before entering the drum. After entering of the plate and short heating time of 5-10 minutes TECHNOMELT PUR CLEANER ALL-IN-1 is pumped manually into the hose until the red cleaner leaks from the end of the hose. In case of nozzle units it is recommended to remove the nozzle head first and to put the open end into a container. After TECHNOMELT PUR CLEANER ALL-IN-1 is put into the hose, the end of the hose may be turned up to avoid leaking of the cleaner. The temperature of the hose should be high, but not above 150 °C.

The higher the cleaner temperature, the faster / more effective is the cleaning.

Caution - very hot melt - risk of spraying - burn hazard - Caution

Every 30 minutes the pumping procedure can be repeated for some seconds to support the cleaning process by moves in the system. During the pumping, put the end of the hose in the container again.

The cleaning time is depending on the assumed degree of contamination. The longer the application time of the cleaner, the better the result.

At first cleaning of older systems, the cleaner should operate at least 8 hours. At new systems or during regularly cleaning (recommended every 8-12 weeks) cleaning time should be at least one hour with a short rinsing after 30 minutes.

At the end of the cleaning procedure the drum of TECHNOMELT PUR CLEANER ALL-IN-1 is replaced by a fresh container of the TECHNOMELT PUR adhesive. The adhesive is pumped until there are no more gelly or solid particles and the red colour of the cleaner is no longer visible in order to avoid bonding failures due to adhesive mixed with cleaning agent.

It is recommended - especially upon use of nozzle systems - to rinse very carefully in order to remove all loose sedimentation from the system. Equipment with filters has to be checked regularly and flushed again if required.

Clean the used drum of TECHNOMELT PUR CLEANER ALL-IN-1 from contaminations of the plate and close it for next use.

We recommend to repeat the cleaning regularly (8-12 weeks) to ensure the operational readiness of the system.

Cleaning of application units with tank melter

Use the same procedure for tank melters. The cleaner may be molten partwise in the tank melter, cleaning as per above procedure. Depending on technical capabilities the cleaner can also be returned to the tank and recirculated continuously.



After cleaning, residues of the cleaner and loose sedimentation have to be removed carefully from the system.

Working Temperature

Recommended working temperature: 100 to 150 °C

Plate, °C	100
Hose, °C	≤150

At the application temperature of 100 to 170 °C the flash point of 210 °C must be considered and corresponding safety precautions should be taken (no ignition sources should be located in the near of the heated liquid). Fume has to be exhausted according to the technical possibilities - ("Arbeitsstättenverordnung" §§ 14 + 16).

STORAGE

Shelf life

Shelf-life (in unopened original packaging), months 24

Classification

Please refer to the corresponding **safety data sheets** for details on:

Hazardous Information
Transport Regulations
Safety Regulations

ADDITIONAL INFORMATION

Disclaimer

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Belgium NV, Henkel Electronic Materials NV, Henkel Nederland BV, Henkel Technologies France SAS and Henkel France SA please additionally note the following:

In case Henkel would be nevertheless held liable, on whatever legal ground, Henkel's liability will in no event exceed the amount of the concerned delivery.

In case products are delivered by Henkel Colombiana, S.A.S. the following disclaimer is applicable:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Corporation, or Henkel Canada Corporation, the following disclaimer is applicable:

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

Trademark usage

Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

Reference 0.2