



HENKEL Australia Pty Ltd
A.C.N. 001 302 996

135-141 Canterbury Road
KILSYTH VICTORIA 3164

Tel: (03) 9728 7200
Fax: (03) 9728 5877
Customer Service 1300 736 777

Distributed by
Solvents Australia Pty Ltd
ABN 74 003 523 117
77 Bassett Street
Mona Vale NSW 2100
PO Box 928
Mona Vale NSW 1660

Tel: (02)9979 6866
Fax: (02)9979 6864

Technical Data Bulletin

TURCO DY-CHEK DEVELOPER STEP 4 AERO

Material No. 380320 / 380321

NON-AQUEOUS DEVELOPER FOR PENETRANT INSPECTION STAGE 4

DESCRIPTION:

TURCO DY-CHEK DEVELOPER is a white, opaque, nonaqueous developer designed for use with TURCO DY-CHEK and FLURO-CHEK penetrant inspection systems.

TURCO DY-CHEK DEVELOPER, when used as directed, effectively detects surface defects in ferrous, nonferrous, plastic and ceramic materials and can be removed from test surfaces by conventional water rising technique.

APPLICABLE SPECIFICATIONS:

TURCO DY-CHEK DEVELOPER meets the following specifications:

MIL-I-25135, ASME-V, RDT3-6T and NAVSEA 250-1500.

BENEFITS:

TURCO DY-CHEK DEVELOPER offers these benefits:

1. Produces ultra fine aerosol spray patterns.
2. Developer will not clog spray tips.
3. Compounded to meet low sulfur and halogen requirements of the above specifications.
4. Aerosol cans empty completely.
5. Effective on magnetic as well as nonmagnetic materials.

USE INSTRUCTIONS:

General: TURCO DY-CHEK DEVELOPER must be used in the following sequential steps for maximum results.

- a. Thoroughly clean surfaces of parts to be inspected with TURCO PRE-CHEK LF. Allow the part to completely dry.
- b. Apply TURCO DY-CHEK PENETRANT and allow excess to drain from surface.
- c. Apply TURCO DY-CHEK REMOVER.
- d. Rinse surface with water. Pressure spraying is preferred.

- e. Dry surface. Air drying is preferred. Do not force dry above 82°C. Allow parts to cool after force drying.
- f. Apply TURCO DY-CHEK DEVELOPER.
- g. Inspect and evaluate.
- h. Post clean surface.

Your HENKEL Representative can assist you in the selection of your precleaner and post cleaner methods based upon your production requirements.

APPLICATION OF DEVELOPER:

TURCO DY-CHEK DEVELOPER is used to (1) provide a white contrasting background for the red TURCO DY-CHEK PENETRANT and (2) draws the penetrant from flaws to the surface of the part. The red dye becomes highly visible against the white background and assumes the configuration of the flaw. Too light a film will result in insufficient background for detection and too heavy a film will hide the flaws. Each part should be evaluated to determine the optimum amount of developer required.

METHODS OF APPLICATION:

AEROSOL CONTAINERS - Shake container vigorously before using to disperse absorbent white powder. Hold spray container from 9 to 12 inches from surface. Apply thin, uniform coating. To clean spray nozzle, invert can and depress valve, using several short bursts.

NOTE: When possible. TURCO DY-CHEK DEVELOPER should be applied in a spray booth or in well ventilated areas.

REMOVAL:

TURCO DY-CHEK DEVELOPER is removed by pressure rinsing with water. However, vapour degreasing, cold solvent cleaning and ultrasonic cleaning methods are acceptable methods of removal of all residues from surfaces.

DISPOSAL INFORMATION:

Dispose of spent solution per local, state and regional regulations. Refer to your local HENKEL REPRESENTATIVE or MATERIAL SAFETY DATA SHEET for additional disposal information.

CAUTION:

TURCO DY-CHEK DEVELOPER, when packaged in pressure spray units contains alcohols, calcium carbonate and silica. Pressure spray units are nonflammable.

Avoid contact with eyes, skin and clothing. Do not take internally. Use with adequate (equivalent to outdoor) ventilation.

Do not spray or use near open flames or sources of ignition. Product and propellant are flammable. Do not puncture or incinerate pressure spray containers nor store in direct sunlight. Exposures to temperatures above 50°C may cause bursting of pressure spray units.

Refer to container label, HENKEL MATERIAL SAFETY DATA SHEET for additional precautionary, handling and first aid information.

JUNE 2002

® Registered Tradename HENKEL Australia Pty Ltd
© Disclaimer

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereon. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, HENKEL expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information. No warranty of fitness for any particular purpose, warranty of merchantability or any other warranty, express or implied is made concerning the goods described or the information provided herein nor shall HENKEL be liable for any loss, damage, or injury, direct or consequential, arising out of the use of this product

Email Address: admin@solvents.net.au