



LOCTITE[®] 7100™

September 2004

PRODUCT DESCRIPTION

LOCTITE[®] 7100™ provides the following product characteristics:

Technology	Aqueous Based
Chemical Type	Synthetic sulfonate with an-ionic surfactants and anti-corrosion additives
Appearance	Pale yellow liquid
Odor	Odorless
Cure	Not applicable
Application	Leak Detector
Solubility in Water	Completely soluble
Dispense Method	Spray
Propellant	Carbon dioxide
Other Application Areas	Leak detection after a repair to verify that the repaired area is leak free

LOCTITE[®] 7100™ is a product in an easy to use aerosol can that allows easy detection of suspected leaks, mainly in gas or pneumatic installations. This product is a liquid based on a synthetic sulfonate, which starts producing bubbles at areas where a leak is present. Even the smallest leak becomes clearly visible. LOCTITE[®] 7100™ does not attack any system components, contains anti-corrosion additives, is non-toxic, non-flammable and contains no CFC or chlorinated solvents. This product may also be used for leak detection in hydraulic components. For that purpose, pressure air must be applied to the empty hydraulic component.

NOTE: LOCTITE[®] 7100™ is not recommended for use on hot components where temperatures exceed 60 °C.

TYPICAL PROPERTIES

Specific Gravity @ 25 °C	1.02
pH	7.2
Flash Point - See MSDS	

GENERAL INFORMATION

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

HANDLING PRECAUTIONS

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on an open flame or any incandescent material.

Directions for use

1. Shake can thoroughly. Spray at a distance of about 15 to 20 cm onto the suspect area.

2. A leak will be clearly visible, as the product will start foaming at the leaking area. The product will continue to foam, allowing for a thorough search without rushing.
3. If the leak is not in the repair area, the leak search has to be extended to entire system. The leak will be in the area where the product starts foaming.
4. After the leak has been detected, wipe off excess product and perform appropriate maintenance.
5. To ensure the maintenance performed was successful, apply LOCTITE[®] 7100™ again to the respective area.
6. On hydraulic components leaks are normally clearly visible without any product. However, for a leak check after repair or on new components, prior to component installation, LOCTITE[®] 7100™ can be used for detecting potential leaks. For this purpose, fill the component with pressurised air and apply product to suspect area.

Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage: 8 °C to 21 °C. Storage below 8 °C or greater than 28 °C can adversely affect product properties. Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

Conversions

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{kV/mm} \times 25.4 = \text{V/mil}$
 $\text{mm} / 25.4 = \text{inches}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{N/mm}^2 \times 145 = \text{psi}$
 $\text{MPa} \times 145 = \text{psi}$
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$

Note

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

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Trademark usage

LOCTITE is a trademark of Henkel Corporation

Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

Reference 1