



Product Data Sheet

LOW-VOC MEMBRANE CLEANER

PRODUCT DESCRIPTION

Low-VOC Membrane Cleaner contains 100% EPA-exempted solvents and can be used in a wide range of temperatures to clean EPDM, TPO, PVC and PVC KEE HP membranes.

BASIC USES

Low-VOC Membrane Cleaner is used to clean both new and in-service EPDM, TPO, PVC and PVC KEE HP membranes prior to the seaming process. This cleaner helps to loosen and remove dirt and other contaminants from the membrane surface and leaves a suitable surface for welding or the subsequent application of Tape Primer.

TYPICAL PHYSICAL PROPERTIES

Revision Date: May 2018



Typical Properties and Characteristics*

Color	Clear
Solids	0%
Flash Point	0°F (-18°C)
Boiling Point	133°F (56°C)
Packaging	5-gallon (18.9 liter) closed top pail Cartons of 2 x 1-gallon (3.8 liter) closed top pails

*Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification or specification range for any particular property of this product.

LEED Information

Pre-consumer recycle content	0%
Post-consumer recycle content	0%
Manufacturing Location	Carlisle, PA
VOC Content*	0 grams/liter*
*100% EPA-exempted solvents	

BENEFITS & SUPPLEMENTAL STATEMENTS

- Easily removes dirt and other contaminants from EPDM, TPO, PVC and PVC KEE HP membranes
- Contains 100% EPA-exempted solvents
- Prepares aged or contaminated TPO, PVC & PVC KEE HP membranes for welding and can significantly improve membrane aesthetics
- Prepares EPDM and TPO membranes for application of primer application
- Can be used in a wide range of temperatures

COVERAGE RATES

Coverage rate depends on the age of the membrane and amount of dirt/debris on the surface. Coverage is approximately 400 square feet (37 m²) (one surface) per gallon

INSTALLATION INSTRUCTIONS

EPDM

1. Remove as much loose material as possible from the membrane surface where the adhesive or pressure-sensitive product will be applied by brooming or wiping the area with a dry rag. Extreme conditions of accumulated dirt may require a low sudsing detergent and water cleaning (rinse area thoroughly with clean water and allow to dry).
2. Saturate a clean rag with Low-VOC Membrane Cleaner. SCRUB the area in a circular motion. Continue to clean the area, changing rags frequently, until the surface is a consistent color with no streaking. Additional cleaning is required at factory seams (scrub parallel to the seam). Allow to dry.

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INSTALLATION INSTRUCTIONS (continued)

3. Apply primer according to product instructions and/or roofing system specification.

Thermoplastics

Low-VOC Membrane Cleaner may be used to remove construction dirt or to prepare aged TPO, PVC or PVC KEE HP membranes prior to welding.

New TPO, PVC or PVC KEE HP

1. Saturate a clean rag with Low-VOC Membrane Cleaner.
2. Wipe the area to be cleaned until the membrane is a consistent color with no streaking.
- 3. Allow to dry completely before welding**
4. Weld the cleaned membrane together with an appropriate hot-air welder.

Welding Aged TPO, PVC or PVC KEE HP

1. Using a Scotch-Brite® pad and Low-VOC Membrane Cleaner, scrub the area to be welded. (the cleaner may become white with membrane residue during this application step)
2. Clean all residue from the area to be welded using a rag soaked with Low-VOC Membrane Cleaner.
- 3. Allow to dry completely before welding**
4. Weld the cleaned material together using an appropriate hot-air welder.

Review Mule-Hide Specifications and Details for additional information.

PRECAUTIONS

- Review the applicable Safety Data Sheet for complete safety information prior to use.
- Low-VOC Membrane Cleaner is **FLAMMABLE**. This product contains materials that are fire and explosion hazards when exposed to heat, flame, or sparks. Store and use away from all sources of heat, flame, or sparks. Do not smoke while applying. Do not use in a confined or unventilated area. Vapors are heavier than air and may travel along ground to a distant ignition source and flash back. A red caution label is required when shipping.
- During application, efforts must be made to prevent fumes from entering the building via air ventilation ducts. Do not place open containers or mix adhesive near fresh-air intake units. When possible, shut down or seal off the closest units.
- Avoid breathing vapors. Keep container closed when not in use. Use with adequate ventilation. If inhaled, remove to fresh air. If not breathing, perform artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.
- If swallowed, **DO NOT INDUCE VOMITING**. Call a physician immediately.
- Avoid contact with eyes. Safety glasses or goggles are recommended. If splashed in eyes, immediately flush eyes with plenty of water for at least 15 minutes. Contact a physician immediately.
- Avoid contact with skin. Wash hands thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water.
- Permeation-resistant gloves (that meet ANSI/ISEA 105-2005) are recommended to be worn when using this product to protect hands from irritating ingredients.
- **KEEP OUT OF REACH OF CHILDREN**

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PROTECTION & SAFETY

Mule-Hide maintains Safety Data Sheets on all of its non-exempt products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Mule-Hide's Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

ADDITIONAL INFORMATION

The information given on this PDS is subject to change without notice. Always check the Mule-Hide website at www.mulehide.com for the latest information, changes and updates or contact Mule-Hide Products Company at 800-786-1492.

DISCLAIMER

The statements provided concerning the material shown are intended as a guide for material usage and are believed to be true and accurate at the time of printing. No statement made by anyone may supersede this information, except when done in writing by Mule-Hide Products Co., Inc. Since the manner of use is beyond our control, Mule-Hide does not authorize anyone to make any warranty of merchantability or fitness for any particular purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material. Buyer and user accept the product under these conditions and assume the risk of any failure, any injury person or property (including that of the user), loss or liability resulting from the handling, storage or use of the product whether or not it is handled, stored or used in accordance with the directions or specifications. Mule-Hide must be notified in writing of any claims and be given the opportunity to inspect the alleged failure before repairs are made.