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Technical Data Sheet 06847
06851
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Public

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3M™ Overspray Masking Liquid Dry

Data Sheet

3M Part No.(s)	3M Part Descriptor(s)
06847	1 gallon (4/case)
06851	5 gallon
06856	15 gallon
06857	55 gallon

3M Fax on Demand Identification Number :

Description

3M™ Overspray Masking Liquid-Dry (OML-D) is a water-based sprayable masking liquid designed to dry to a non-tacky film. The dried film protects vehicle surfaces from automotive primer and paint overspray, while trapping dust and dirt under the film. Safe to use on all thoroughly cured painted surfaces.

Features, Advantages, Benefits

Features	<ol style="list-style-type: none"> 1. Water-based product 2. Dries to a clear film 3. Sprayable 4. Dries to a protective film
Advantages	<ol style="list-style-type: none"> 1. No harmful solvents 2. Can see through the coating on glass 3. Easy to protect hard-to-mask surfaces 4. Protective film is lightly bonded to vehicle
Benefits	<ol style="list-style-type: none"> 1. Safe for the user and the environment 2. Vehicle is mobile when covered 3. Protects all vehicle surfaces from overspray 4. No film flutter in booth with air movement, which will help produce cleaner paint jobs

Typical Physical Properties

Viscosity (cps)	55-65	Brookfield RV @ 70F
Specific Gravity (grams/milliliter)	1.025-1.035	
Appearance	Hazy pink liquid	Visual

Product Uses

3M™ Overspray Masking Liquid-Dry is used for bulk masking vehicle surfaces during priming and/or painting processes. This product is designed to protect automotive surfaces from paint OVERSPRAY only, and is not intended to protect against a direct hit of paint or primer.

Performance Properties

Dried OML-D film protects vehicle surfaces from primer, sealer, base color, and clear coat overspray. OML-D can be effectively used with both solvent and water based paint systems. Dried OML-D traps dirt and dust under the film and away from the repair area.

Handling and Application Information

Directions for Use**Before Applying 3M™ Overspray Masking Liquid-Dry:**

1. Use compressed air or a damp cloth to remove any plastic filler dust, primer dust, and substantial dirt contamination from the vehicle surfaces. Also, remove any incidental primer overspray.
2. Mask the critical edge of the repair area with tape and 18 inch masking paper.
3. Tape down the back edge of the paper on adjoining panels to prevent overspray migration under the paper.

Application Equipment:

- OML-D can be easily applied with standard spray equipment. Since this is a water-based product, it is advisable to use a dedicated piece of equipment.
- Conventional spray guns (gravity or siphon feed) and HVLP guns are recommended. Fluid tip orifice size should be 1.8 - 2.2mm. Spray pressure should be 30-40psi at the gun.

Applying 3M™ Overspray Masking Liquid-Dry:

1. Hold gun 12-14 inches from the vehicle surface.
2. Apply a single 3-5 mil wet coat, with a 50% overlap spray pattern, to all surfaces of the vehicle that require overspray protection, while making certain to cover the edge of the masking paper.
3. Allow OML-D to dry for 20-30 minutes at 70F and 50% humidity. Dry time will increase significantly at lower ambient temperatures, lower substrate temperatures, higher humidity, and if a heavy coat has been applied. Once the product has flowed out bubble free, the use of air movement or heat can be used to accelerate the dry time.
4. Inspect the vehicle surfaces for any unprotected spots and touch up with OML-D.
5. Remove OML-D from area to be painted by wiping it off first with a wet rag or sponge. Solvent cleaners will not remove OML-D overspray! Then prepare repair area as needed.

Removing 3M™ Overspray Masking Liquid-Dry:

1. After the painting and bake cycle process is complete, remove the masking paper and tape surrounding the repair area.
2. Should any thick OML-D runs or drips be present, remove with masking tape. Simply press any masking tape over these areas, and peel off the thick OML-D film.
3. Mist the entire vehicle with water and allow the vehicle to remain wet for 1 to 2 minutes. This will assist in dissolving the OML-D.
4. Wash the vehicle as usual. The use of a sponge or wash mitt will expedite the removal of OML-D (and paint overspray) from the surface.

Applications

3M™ Overspray Masking Liquid can be used in the body bay to protect vehicle surfaces from primer overspray. OML-D can be used in the paint bay to protect vehicle surfaces from primer, sealer, color and clearcoat overspray. One gallon of OML-D will cover approximately 400 square feet at 4.0 mils wet thickness (or about 4-5 average size vehicles per gallon). The proper wet application rate will yield a dry film thickness of approximately 0.4 mils.

Do not use OML-D on old oxidized paint surfaces, fabric tops and lacquer paints. Also, do not apply OML-D over fresh paint (less than 30 days old).

OML-D should not remain on the vehicle surface any longer than is absolutely required. This will minimize the possibility of any damage to clear coat surfaces.

Vehicles coated with OML-D should NOT be placed outdoors for any period of time. There are many environmental and surface condition factors that can contribute to possible substrate damage.

- Heat and UV exposure can degrade OML-D and bake the coating into the surface, making removal very difficult. This can also cause ghosting or hazing of the clearcoat.
- Moisture in the form of dew or rain may cause spotting or staining of the underlying clearcoat.

OML-D can be used to protect tires from overspray. However, the tires must be in good condition. OML-D can be difficult to remove and cause staining on old, oxidized tires.

OML-D can be used to protect the engine and engine compartment components from paint overspray. However, the engine must be cool prior to OML-D application. Also, the engine should not be started once the OML-D has been applied as excessive engine heat will quickly bake the OML-D film onto the heated surfaces. This can lead to surface damage and removal difficulties. THOROUGHLY remove all OML-D prior to starting the engine.

Storage and Handling

Product shelf life is 24 months from the date of manufacture when stored in original unopened containers at standard room temperature conditions. DO NOT FREEZE as product is not freeze/thaw stable. Drums must be stored indoors. Do not use metal dip tubes in drums as they will rust significantly and contaminate the formulation. Contact the local 3M representative for a recommended plastic pump.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Country

US

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For Additional Health and Safety Information

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Material Safety Data Sheets and Technical Data Sheets are also available by calling Fax on Demand 1-800-305-0419.

Help Line 1-800-621-5455 (US) 1-650-596-4407 (International).

3M Fax on Demand/MSDS Identification Number

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