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3M™ 5-Way Penetrant, 24 fl oz aerosol can, 12 per case



Multi-purpose product that is effective as a demoisurant - displaces moisture and dries out electrical apparatus.

GTIN(UPC/EAN) : 0 00 21200 21305 2
3M Id : 62-4978-4930-7

Additional Information

Inhibits rust - spreads a thin, even film that actually penetrates the pores of the surface to inhibit rust and corrosion. Penetrant - frees rusted, frozen bolts, nuts, etc. Lubricant - for delicate machines or precision instruments.

Characteristics

Product Form	Can
Size	24 fl. oz.
Trademark Name 1	3M
Units per Case	12

Specifications and Ordering Information for 3M™ Lubricants

Product Number	UPC (054007-)	Size	Weight (Lbs./Case)	Minimum Order Case Qty.
5-Way Penetrant				
5-Way Penetrant	21305*	24 fl. oz. (710 ml)	17 oz. (481 gr)	12

* UPC prefix 021200-



Material Safety Data Sheet

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 3M(TM) 5-Way Spray
MANUFACTURER: 3M
DIVISION: Industrial Adhesives and Tapes

ADDRESS: 3M Center
 St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

Issue Date: 02/03/2005
Supersedes Date: 11/30/2004

Document Group: 18-3229-4

Product Use:

Specific Use: Penetrant, Lubricant and Demoisturizer

SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
ALIPHATIC HYDROCARBON	64742-47-8	50 - 60
PROPANE	74-98-6	10 - 20
BUTANE	106-97-8	10 - 20
PETROLEUM OIL	64742-52-5	3 - 7
PETROLATUM	8009-03-8	1 - 5
HEAVY PARAFFINIC OIL	64742-54-7	1 - 5

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Odor, Color, Grade: amber colored liquid, strong solvent odor

General Physical Form: Gas

Immediate health, physical, and environmental hazards: Closed containers exposed to heat from fire may build pressure and explode. Extremely flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and flash back. Aerosol container contains flammable material under pressure. May cause target organ effects.

3.2 POTENTIAL HEALTH EFFECTS

Use with appropriate local exhaust ventilation. Do not use in a confined area or areas with little or no air movement. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Avoid eye contact. Avoid eye contact with vapors, mists, or spray.

8.2.2 Skin Protection

Avoid skin contact. Avoid prolonged or repeated skin contact. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

8.2.3 Respiratory Protection

Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half facepiece or fullface air-purifying respirator with organic vapor cartridges. Consult the current 3M Respiratory Selection Guide for additional information or call 1-800-243-4630 for 3M technical assistance.

8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Wash hands after handling and before eating.

8.3 EXPOSURE GUIDELINES

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>	<u>Additional Information</u>
BUTANE	ACGIH	TWA	1000 ppm	
BUTANE	OSHA	TWA	800 ppm	Table Z-1A
PETROLEUM OIL	CMRG	TWA	5 mg/m3	
PETROLEUM OIL	CMRG	STEL	10 mg/m3	
ALIPHATIC HYDROCARBON	CMRG	TWA	300 ppm	
PROPANE	ACGIH	TWA	1000 ppm	
PROPANE	OSHA	TWA	1000 ppm	Table Z-1

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacturer Recommended Guideline
- OSHA: Occupational Safety and Health Administration
- AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor, Color, Grade:	amber colored liquid, strong solvent odor
General Physical Form:	Gas
Autoignition temperature	<i>No Data Available</i>
Flash Point	00 °F
Flammable Limits - LEL	0.6
Flammable Limits - UEL	9.5
Boiling point	<=458