

MATERIAL SAFETY DATA SHEET

MSDS FORMAT MEETS ANSI Z400.1-1993 AND OSHA 1910.1200

SECTION 1 · CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE P1072CT
PRODUCT NAME MR 417 LUBE SPRAY
MSDS REVISION NUMBER 2
DATE OF PREPARATION OR REVISION March 26, 2003

MANUFACTURER INFORMATION

SUPPLIER INFORMATION

Plastic Moulding Supplies
24 Brunel Road
Corby
Northants
NN17 4JW

EMERGENCY: 800-255-3924 (24hr)

Mfg. Part #:

Supplier Part #: MR417

SECTION 2 · COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT, TECHNICAL DESCRIPTION	CAS NUMBER	OSHA PEL		ACGIH TLV		% WT
Coal Oil	8008-20-6	5	mg/m ³	5	mg/m ³	20-30
Heptane	142-82-5	400	ppm	400	ppm	20-30
Stoddard Solvent	8052-41-3	100	ppm	100	ppm	10-20
Liquefied Petroleum Gas	68476-85-7	1000	ppm	1000	ppm	10-20
Proprietary Additive	Trade Secret	N/E		N/E		
Hydrotreated Light Petroleum Distillate	64742-53-6	5	mg/m ³	5	mg/m ³	< 10
Acid-treated Light Petroleum Distillate	64742-14-9	5	mg/m ³	5	mg/m ³	< 10
2-butoxyethanol	112-34-5	N/E		N/E		

N/E = None Established

SECTION 3 · HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CONTENTS EXTREMELY FLAMMABLE AND UNDER PRESSURE. STORE BELOW 120°F, OUT OF SUNLIGHT AND AWAY FROM HEAT SOURCES. DO NOT PUNCTURE OR INCINERATE. AVOID CONTACT WITH SKIN AND EYES. VAPOR HARMFUL. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

HMIS Ratings: Health-1 Fire-4 Reactivity-0 Protective Equipment-B

POTENTIAL HEALTH EFFECTS

EYE: Liquid or vapors may cause redness, burning, tearing, swelling and/or pain.

SKIN: Frequent or prolonged contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

INGESTION: Due to being an aerosol, product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat and gastrointestinal tract, resulting in vomiting and/or cramps.

INHALATION: Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, or confusion.

MEDICAL CONDITIONS AGGRAVATED: Skin contact may aggravate an existing dermatitis. Others unknown.

CARCINOGEN DATA: None of the ingredients in this product are listed with OSHA, IARC or NTP as carcinogenic.

MATERIAL SAFETY DATA SHEET

MSDS FORMAT MEETS ANSI Z400.1-1993 AND OSHA 1910.1200

SECTION 4 · FIRST AID MEASURES

INGESTION: *Unlikely due to being in aerosol form. Should actual ingestion occur, do not induce vomiting! Drink a glass of water or milk to dilute. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.*

EYE: *Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician for definitive treatment.*

SKIN: *Remove with soap and water. Continue flushing with water for several minutes. Use skin cream to counter resulting dryness. Consult a physician if irritation continues or if large skin area is affected.*

INHALATION: *Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.*

SECTION 5 · FIRE FIGHTING MEASURES

FLASH POINT: *Propellant < 0°F*

FLAMMABLE LIMITS: *LEL: 1.8% UEL: 9.5%*

EXTINGUISHING MEDIA: *For warehouse and storage conditions, use NFPA Class B extinguishers (CO₂, dry chemical or universal aqueous film forming foam).*

SPECIAL FIRE FIGHTING PROCEDURES: *Use water spray to cool fire exposed aerosol containers for containers can rupture violently from heat developed pressure.*

UNUSUAL FIRE AND EXPLOSION HAZARDS: *Contents extremely flammable and under pressure. In addition, when liquid or vapor comes into contact with flames or red hot metal, products of combustion will be created. Firemen should wear self-contained breathing apparatus.*

SECTION 6 · ACCIDENTAL RELEASE MEASURES

CONTAINMENT PROCEDURES: *Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content should be contained as any other solvent spill.*

SPILL CLEANUP: *Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove all sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.*

SPECIAL INSTRUCTIONS: *Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal considerations.*

REPORTING REQUIREMENTS: *Spills due to the rupture of a single aerosol can are generally below any regulatory reporting requirements. However, if larger spills somehow result, the reporting requirements of the EPA and other local, state and federal agencies should be observed.*

SECTION 7 · HANDLING AND STORAGE

Avoid prolonged or repeated skin contact. Avoid breathing vapors. Store in area below 120°F. Do not incinerate (burn) containers. Assure can is in a secure place to prevent knocking over and accidental rupture. Always replace overcap when not in use. For storage of pallet quantities, compliance with ANSI/NFPA 30B is recommended.

SECTION 8 · EXPOSURE CONTROLS/PERSONAL PROTECTION

SKIN PROTECTION: *For brief contact, no precautions other than clean body-covering clothing should be needed. When*

MATERIAL SAFETY DATA SHEET

MSDS FORMAT MEETS ANSI Z400.1-1993 AND OSHA 1910.1200

prolonged or repeated contact could occur, use protective clothing such as Sol-Vex® gloves or other clothing impervious to the ingredients listed in section 2.

EYE PROTECTION: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact could occur, chemical splash proof goggles are recommended.

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required an appropriate NIOSH approved respirator for organic vapor should be worn. If respirators are needed, assure compliance with OSHA standard 29 CFR 1910.134.

ENGINEERING CONTROLS: General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be needed to control air contamination below that of the lowest TLV/PEL rated ingredient from Section 2.

EXPOSURE GUIDELINE: Since this product is a mixture, an OSHA or ACGIH exposure value is not available. In determination of any exposure procedures, protection or testing, use the lowest rated ingredient in Section 2.

SECTION 9 · PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: Propellant < 0°F
VAPOR PRESSURE: No data
VAPOR DENSITY (Air=1): Above 1.0
WATER SOLUBILITY.....: Negligible
SPECIFIC GRAVITY (H₂O=1).....: Below 1.0
PERCENT VOLATILE.....: 83.0 % Wt Max
APPEARANCE AND ODOR.....: Straw colored coating with a oily odor

SECTION 10 · STABILITY AND REACTIVITY

STABILITY.....: Stable
HAZARD POLYMERIZATION: Will not occur
CONDITIONS TO AVOID.....: Heat, sparks, flame, red hot metal
INCOMPATIBILITIES: Strong oxidizing materials
DECOMPOSITION PRODUCTS ...: Oxides of carbon

SECTION 11 · TOXICOLOGICAL INFORMATION

ACUTE ORAL LD50: Stoddard Solvent >25 ml/kg (rat), Coal Oil >5 g/kg (rat), 2-Butoxyethanol >7 g/kg (rat), Petroleum Distillate >5 g/kg (rat)
ACUTE DERMAL LD50.....: Stoddard Solvent >4 ml/kg (rabbit), Coal Oil >3 g/kg (rabbit), 2-Butoxyethanol >2 g/kg (rabbit), Petroleum Distillate >3 g/kg (rabbit)
ACUTE INHALATION LC50.....: Liquefied Petroleum Gas 57.42% v/v (mice)

SECTION 12 · ECOLOGICAL INFORMATION

This product has not been tested for environmental effects

SECTION 13 · DISPOSAL CONSIDERATIONS

An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are not recycled they must be managed under all applicable RCRA and state regulations.

MATERIAL SAFETY DATA SHEET

MSDS FORMAT MEETS ANSI Z400.1-1993 AND OSHA 1910.1200

SECTION 14 · TRANSPORTATION INFORMATION

DOT HM-181 INFORMATION

Proper Shipping Name.....: *Consumer Commodity*
Hazard Class or Division.....: *ORM-D*
Identification Number.....: *none*
Packaging Group.....: *-*
Label(s) Required.....: *none*

INTERNATIONAL TRANSPORTATION REGULATIONS

Proper Shipping Name.....: *Consumer Commodity*
Class or Division.....: *9*
Subsidiary Risk.....: *-*
Hazard Label(s).....: *Miscellaneous*
Packaging Group.....: *-*
UN or ID Number.....: *ID8000*

SECTION 15 · REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT: *All of the ingredients in this product are on the TSCA inventory.*

SARA TITLE III, SECTION 313: The following ingredients are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: *None*

CLEAN AIR ACT (CAA): The following ingredients appear on the List of Hazardous Air Pollutants (HAP - 42 USC 7412, Title I, Part A, p112): *None*

CLEAN WATER ACT (CWA): The following ingredients appear on the CWA List of Hazardous Substances (40 CFR 116.4): *None*

CALIFORNIA PROPOSITION 65: The following ingredients appear on the Proposition 65 list(s): *None*

CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS): The following ingredients are listed: *LPG, Stoddard Solvent, Coal Oil, 2-Butoxyethanol, Heptane*

SECTION 16 · OTHER INFORMATION

No other data available

DISCLAIMER: The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data, or the results to be obtained from the use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determination of the suitability of the material for any particular purpose.