

# MATERIAL SAFETY DATA SHEET

**PRODUCT: PREMIUM SILICONE MOLD RELEASE**  
**PART NUMBER: MRFS514**

**DOCUMENT PREPARED BY: DIE MOULD EQUIPMENT PTY LTD (DME)**  
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The following Checklist and 16 Header MSDS format is in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets, required under Workplace Hazardous Substances and Dangerous Goods legislation.

## SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: PREMIUM SILICONE MOLD RELEASE  
PART NUMBER: MRFS514  
CHEMICAL NAME: DIMETHYLPOLYSILOXANE SOLUTION  
CHEMICAL FAMILY: SILICONE  
OTHER/Common Names: PREMIUM SILICONE MOULD RELEASE

RECOMMENDED USE: INDUSTRIAL LUBRICANT AND RELEASE AGENT FOR MOST PLASTICS MOULDING APPLICATIONS. LONG LASTING, LOW BUILD-UP MOULD RELEASE, IDEAL FOR TOUGH STICKING PROBLEMS THAT REQUIRE A TOP QUALITY LUBRICANT.  
ALWAYS PRE-TEST THIS PRODUCT FOR FULL COMPATIBILITY WITH YOUR SPECIFIC TYPE OF PLASTICS AND OTHER PROCESS FACTORS.

EMERGENCY TELEPHONE: AMBULANCE/FIRE: 000 (AUSTRALIA)  
MANUFACTURER: 0011 1 800 535 5053 (INTERNATIONAL TO USA)

SUPPLIED BY: DIE MOULD EQUIPMENT PTY LTD (DME)  
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## SECTION 2: HAZARDS IDENTIFICATION

DOT HAZARD CLASSIFICATION: ORM-D  
FORMULA: 53114  
DOT SHIPPING NAME: CONSUMER COMMODITY  
CHEMICAL ABSTRACT REGISTRY NUMBER: N/A, MIXTURE  
IDENTIFICATION NUMBER: NONE  
H.M.I.S. RATING: 1, 1, 0, B

RISKS: AEROSOLS MAY RUPTURE VIOLENTLY WHEN HEATED TO TEMPERATURES OVER 48° C. VERY FLAMMABLE.  
DO NOT SPRAY NEAR OPEN FLAMES. CONTENTS PRESSURIZED.  
DO NOT DROP, PUNCTURE OR INCINERATE.  
INCOMPATIBILITY (MATERIALS TO AVOID): POWDERED OR ALKALINE EARTH METALS, HAZARDOUS COMBUSTION BY-PRODUCTS: HF AND OTHER FLUORINE COMPOUNDS

SAFETY: STORE BELOW 48° C. STORE INDOORS, AWAY FROM HEAT OR DIRECT SUNLIGHT ABOVE 48° C. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>MATERIAL:</u>	<u>APPROX. WEIGHT %:</u>	<u>CAS NUMBER:</u>	<u>PEL(OSHA):</u>
DIMETHYLPOLYSILOXANE	5.0	63148-62-9	N/A
DIMETHYL ETHER	63.0	115-10-6	1000 PPM
1,2 DIFLUOROETHANE	32	75-37-6	1000

FORMULA: 53114

SYNONYMS:

CONTAINS NO OZONE DEPLETING CHEMICALS.

FDA APPROVED FOR FOOD INDUSTRY APPLICATIONS.

### SECTION 4: FIRST AID MEASURES

SKIN: WASH WITH SOAP AND WATER, APPLY HAND CREAM.

INHALATION: REMOVE TO FRESH-AIR LOCATION.

EYES: FLUSH WITH PLENTY OF COOL CLEAN WATER FOR 15 MINUTES. CALL MEDICAL PRACTITIONER IMMEDIATELY.

### SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: DRY CHEMICAL, CO2, FOAM.

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD BE EQUIPPED WITH SELF CONTAINING BREATHING APPARATUS.

HAZARD DATA:

FLAMMABLE LIMITS IN AIR: LEL: UEL: (VOLUME %)

FLASH POINT: N/A

AEROSOL FLAME PROJECTION TEST: 45CM FLAME PROJECTION AS DETERMINED BY THE AEROSOL FLAME PROJECTION TEST. FOR SAFETY PURPOSES, DME CONSIDERS THIS PRODUCT FLAMMABLE.

UNUSUAL FIRE & EXPLOSION HAZARDS: AEROSOLS MAY RUPTURE VIOLENTLY AT TEMPERATURES OVER 48° C. VERY FLAMMABLE.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: REMOVE LEAKING CONTAINER TO OUTSIDE DISPOSAL SITE.

### SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE INDOORS, AWAY FROM HEAT OR DIRECT SUNLIGHT ABOVE 48° C.

OTHER PRECAUTIONS: DO NOT DROP, DO NOT SPRAY NEAR OPEN FLAMES, DO NOT PUNCTURE OR INCINERATE EMPTY OR FULL CONTAINERS. DO NOT SPRAY DIRECTLY INTO FLAME. DO NOT SMOKE WHILE USING THIS PRODUCT. DO NOT SPRAY ON FLOORS.

## **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

THRESHOLD LIMIT VALUE: 1000 PPM

RESPIRATORY PROTECTION: NOT NEEDED WITH ADEQUATE VENTILATION.

VENTILATION: ADEQUATE VENTILATION NEEDED.

PROTECTIVE GLOVES: RECOMMENDED, BUT NOT REQUIRED.

EYE PROTECTION: PROPER EYE CARE SHOULD BE PRACTISED AND SAFETY GLASSES SHOULD ALWAYS BE WORN IN ALL INDUSTRIAL OPERATIONS.

OTHER PROTECTIVE EQUIPMENT: AS YOUR COMPANY REQUIRES.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOUR: CLEAR, OILY, COLOURLESS LIQUID, SLIGHT ETHEREAL ODOUR.

BOILING POINT: N/A

FREEZING POINT: <-45.555 ° C

SPECIFIC GRAVITY (H2O=1): .81

VAPOUR PRESSURE OF CONCENTRATE @ 70 F. (MM HG): N/A

VAPOUR DENSITY (AIR=1): N/A

SOLUBILITY IN WATER, % BY WT.: NOT SOLUBLE

PERCENT VOLATILE BY WEIGHT: 95

EVAPORATION RATE (MINUTES):

FLASHPOINT: N/A

## **SECTION 10: STABILITY AND REACTIVITY**

STABILITY: STABLE

INCOMPATIBILITY (MATERIAL TO AVOID): POWDERED OR ALKALINE EARTH METALS.

HAZARDOUS COMBUSTION BY-PRODUCTS: HF AND OTHER FLUORINE COMPOUNDS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

CONTIONS TO AVOID: OPEN FLAMES AND HIGH TEMPERATURES.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

INGESTION (SWALLOWING): N/A

INHALATION (OVEREXPOSURE): EXCESSIVE INHALATION CAN PRODUCE DIZZINESS, NAUSEA AND HEADACHE.

SKIN CONTACT: CONCENTRATED SPRAY MAY CAUSE FREEZING OF SKIN AREA.

EYE CONTACT: TEMPORARY IRRITATION.

NO COMPONENT IN THIS PRODUCT HAS BEEN LISTED AS A CARCINOGEN.

## **SECTION 12: ECOLOGICAL INFORMATION**

CHLORINE FREE.

CONTAINS NO OZONE DEPLETING CHEMICALS.

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## **SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: EMPTY FULLY, INCLUDING GAS PRESSURE. DO NOT PUNCTURE OR INCINERATE. CAN BE RECYCLED OR ALTERNATIVELY REMOVED TO A REGULATED LANDFILL WASTE MANAGEMENT CENTRE.

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## **SECTION 14: TRANSPORT INFORMATION**

UN 1950, AEROSOLS.  
CLASS 2.1. CLASSED AS DANGEROUS GOODS  
TRANSPORT IN CARDBOARD BOX.  
TRANSPORT VIA ROAD, RAIL AND SEA.

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## **SECTION 15: REGULATORY INFORMATION**

THIS MATERIAL SAFETY DATA SHEET IS IN ACCORDANCE WITH THE NATIONAL CODE OF PRACTICE (AUSTRALIA), REQUIRED UNDER WORKPLACE HAZARDOUS SUBSTANCE AND DANGEROUS GOODS LEGISLATION.

INTERNATIONAL REGULATORY AND ADDITIONAL INFORMATION PROVIDED BY THE MANUFACTURER: THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESS OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN SPECIFIC CONTEXT OF THE INTENDED USE, AND DETERMINE WHETHER THEY ARE APPROPRIATE. THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET IS BELIEVED TO BE CORRECT AS OF THIS DATE. THE REGULATIONS PROMULGATED BY OSHA FOR HAZARD COMMUNICATION, 29 CFR 1910.1200, AS WELL AS SEVERAL STATE AND LOCAL LAWS AND REGULATIONS, HAVE BEEN CONSULTED.

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## **SECTION 16: OTHER INFORMATION**

LAST REVISION DATE OF THIS MATERIAL SAFETY DATA SHEET: 7 JULY 2014

SOURCES: SLIDE PRODUCTS, INC MSDS

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