



VALVE MAGIC

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard (29CFR 1910.1200)

Manufactured For: RAMCO SPECIALTY PRODUCTS, Inc. ♦ 5956 State Road ♦ Bakersfield, CA 93308-3022
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SECTION I - PRODUCT IDENTIFICATION

| | | | |
|---------------------|-----------------------------|-----------------------------|----------------------|
| PRODUCT NAME | VALVE MAGIC (Bulk & Sticks) | PROPER SHIPPING NAME | GREASE OR OIL N.O.S. |
| PRODUCT NUMBER | 1111, 1113, 1224 | DATE PREPARED | 06/26/2003 |
| PRODUCT DESCRIPTION | Valve Sealant/Lubricant | PREPARED BY | WARREN SQUYRES |
| Information Phone | (800) 334-7071 | 24-Hour Emergency Phone No. | (800) 255-3924 |

NFPA - HMIS CODES

| | | | | | | | | | |
|--------|---|--------------|---|-----------|---|------------|---|---------------------|---|
| Health | 1 | Flammability | 1 | Corrosive | 0 | Reactivity | 1 | Personal Protection | B |
|--------|---|--------------|---|-----------|---|------------|---|---------------------|---|

SECTION II - MATERIAL IDENTIFICATION AND INFORMATION

| Description | CAS Number | N.J.T.S.R.N. | SARA III LIST | OSHA PEL (ppm) | ACGIH TLV (ppm) | Wt % |
|-----------------------------------|------------|----------------|---------------|----------------|-----------------|------|
| COMPONENTS (Non-Hazardous) | | | | | | |
| Molybdenum Disulfide | 1317-33-5 | | NO | N/A | N/A | |
| Graphite | 7782-42-5 | | NO | N/A | N/A | |
| Polytetrafluoroethylene | 9002-84-0 | | NO | N/A | N/A | |
| PROPRIETARY COMPONENTS | | | | | | |
| | | 80100362-5035P | NO | N/A | N/A | |
| | | 80100362-5037P | NO | N/A | N/A | |
| | | 80100362-5004P | NO | N/A | N/A | |
| | | 80100362-5036P | NO | N/A | N/A | |
| | | (Stick Only) | | | | |

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|---------------------------------------|------|--------------------------------|------------------|
| Initial Boiling Point, °F | N/A | Evaporation Rate (n-Bu-Ac=1.0) | N/A |
| Vapor Pressure for Product | N/A | Melting Point, °F | N/A |
| Vapor Density for Product (Air = 1.0) | N/A | Molecular Weight, Avg. | N/A |
| Specific Gravity (H2O=1 @ 75°F) | 0.93 | Viscosity, Typical (cp) | N/A |
| VOC (Grams/Liter @ 25°C) | N/A | Appearance and Color | Semi-Solid/Black |
| Volatiles, % by Volume @ 100°C | N/A | Odor | Mild |
| Total VOC % | N/A | Water Solubility (Wt %) | Insoluble |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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|------------------------------------|--|
| Flash Point (ASTM D92) | 565°F (C.O.C.) |
| Auto Ignition Temperatures | NONE |
| Flammability Limits in Air | |
| Lower Explosive Limit Estimated | N/D |
| Upper Explosive Limit Estimated | N/D |
| Extinguishing Media | Carbon Dioxide, Dry Chemical, Water Fog or Foam |
| Unusual Fire and Explosion Hazards | None |
| Special Fire Fighting Procedures | Treat as oil fire; use self-contained breathing apparatus. |



VALVE MAGIC

SECTION V - HEALTH HAZARD DATA AND EMERGENCY FIRST AID PROCEDURES

| ENTRY ROUTES | ADVERSE/CHRONIC EFFECTS | FIRST AID PROCEDURES |
|--------------|--|--|
| EYES | May cause irritation on sensitive individuals. | Flush eyes with water using eyecup or fountain for at least 15 minutes while lifting upper and lower lids open. Seek medical attention immediately if irritation persists. |
| INGESTION | None known. | Call a physician. DO NOT INDUCE VOMITING. Keep warm. |
| INHALATION | May cause irritation. | Remove to fresh air. See physician if irritation persists. |
| SKIN | May cause irritation on sensitive individuals. | Remove contaminated clothing. Wash exposed area with soap and water. Seek medical attention if irritation persists. |
| CARCINOGEN | NONE | MEDICAL CONDITIONS TO AVOID Pre-existing skin disorders. |

SECTION VI - REACTIVITY DATA

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| STABILITY | Stable - Do not heat above flash point. |
| HAZARDOUS POLYMERIZATION | Will not occur - No conditions known. |
| INCOMPATIBILITY | Strong Oxidizing Agents |
| HAZARDOUS DECOMPOSITION | Carbon Dioxide, Carbon Monoxide, Trace Fluorine Compounds |

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED - Stop flow, scrape, wipe, mop up, or absorb with diatomaceous earth or other inert material. Store in appropriate container for disposal. | |
| WASTE DISPOSAL | Disposal of in compliance with Federal, State, and Local laws. |
| HANDLING & STORAGE | Avoid storage near open flame or other sources of ignition. Spills may cause slippery floors. Proper footwear required. Remove contaminated clothing and launder before reuse. Discard contaminated leather gloves and shoes. |
| OTHER PRECAUTIONS | KEEP OUT OF REACH OF CHILDREN. Read and follow label directions. For Industrial/Institutional use only. |

SECTION VIII - CONTROL MEASURES

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| RESPIRATORY PROTECTION (Specify Type) | Not needed for normal use in accordance with label directions. |
| VENTILATION | Normal ventilation is usually adequate. |
| PROTECTIVE GLOVES | Neoprene or Nitrile rubber gloves recommended. |
| EYE PROTECTION | Approved safety glasses with side shields or goggles. |
| OTHER PROTECTIVE CLOTHING/EQUIPMENT | Chemically resistant boots and apron recommended. |
| WORK HYGIENIC PRACTICES | Employees must practice good personal hygiene; washing exposed areas of skin several times daily and before eating, drinking or smoking. Launder contaminated clothing before reuse. |

SECTION IX - TRANSPORTATION DATA

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| PROPER SHIPPING NAME | GREASE OR OIL N.O.S. |
| DOT ID NUMBER | N/A |
| DOT HAZARD CLASS | NOT REGULATED |

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