**Material Safety Data Sheet**

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**SECTION I - Material Identity**

|  |
| --- |
| Item Name                                |
| Part Number/Trade Name                   | SEVEN STAR ACETHANE POLYURETHANE VARNISH, 273A113, 114 |
| National Stock Number                    | 8010P400130F |
| CAGE Code                                | ACEHA |
| Part Number Indicator                    | A |
| MSDS Number                              | 181941 |
| HAZ Code                                 | B |

**SECTION II - Manufacturer's Information**

|  |  |
| --- | --- |
| Manufacturer Name                        | ACE HARDWARE CORP |
| Street                                   | 21901 S CENTRAL AVE |
| City                                     | MATTESON |
| State                                    | IL |
| Country                                  | US |
| Zip Code                                 | 60443 |
| Emergency Phone                          | 630-990-6600 |
| Information Phone                        | 602-274-6503 |

**MSDS Preparer's Information**

|  |  |
| --- | --- |
| Date MSDS Prepared/Revised               | 31JAN96 |
| Date of Technical Review                 | 08JUN95 |
| Active Indicator                         | Y |

**Alternate Vendors**

|  |  |
| --- | --- |
| Vendor #1 CAGE                           | ACEHA |

**SECTION III - Physical/Chemical Characteristics**

|  |  |
| --- | --- |
| Hazard Storage Compatibility Code        | NR |
| NRC License Number                       | NR |
| Net Propellant Weight (Ammo)             | NR |
| Appearance/Odor                          | AMBER LIQUID WITH SOLVENT ODOR  |
| Boiling Point                            | 308F,153C |
| Melting Point                            | NR |
| Vapor Pressure                           | NR |
| Vapor Density                            | HVR/AIR |
| Specific Gravity                         | 0.90 |
| Decomposition Temperature                | NR |
| Evaporation Rate                         | NOT APPLICABLE |
| Solubility in Water                      | NOT APPLICABLE |
| Percent Volatiles by Volume              | NR |
| Chemical pH                              | NR |
| Corrosion Rate                           | NR |
| Container Pressure Code                  | 4 |
| Temperature Code                         | 8 |
| Product State Code                       | L |

**SECTION IV - Fire and Explosion Hazard Data**

|  |  |
| --- | --- |
| Flash Point                              | 105 |
| Flash Point Method                       | PMCC |
| Lower Explosion Limit                    | 0.9% |
| Upper Explosion Limit                    | N/A |
| Extinguishing Media                      | FOR DRY SOLIDS, USE WATER, FOAM, CO\*2, DRY CHEMICALS  |
| Special Fire Fighting Procedures         | USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). WATER MAY BE USED TO COOL CLSD CNTNRS TO PVNT PRESS BUILD-UP & POSS AUTO IGNIT/EXPLO (SUPDAT) |
| Unusual Fire/Explosion Hazards           | KEEP CNTNRS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELEC EUQIP, SPKS & OPEN FLAME. HEAT MAY CAUSE PRESS BUILDUP IN CLSD CNTNRS. WATER MAY BE USED TO COOL  |

**SECTION V - Reactivity Data**

|  |  |
| --- | --- |
| Stability                                | YES |
| Stability Conditions to Avoid            | NONE SPECIFIED BY MANUFACTURER  |
| Materials to Avoid                       | NONE KNOWN  |
| Hazardous Decomposition Products         | BY FIRE-CARBON DIOXIDE, CARBON MONOXIDE  |
| Hazardous Polymerization                 | NO |
| Polymerization Conditions to Avoid       | NOT RELEVANT  |
| LD50 - LD50 Mixture                      | NONE SPECIFIED BY MANUFACTURER  |

SECTION VI - Health Hazard Data

|  |  |
| --- | --- |
| Route of Entry: Skin                     | YES |
| Route of Entry: Ingestion                | NO |
| Route of Entry: Inhalation               | YES |
| Health Hazards - Acute and Chronic       | ACUTE:IRRITATION OF EYES, SKIN AND RESPIRATORY SYSTEM MAY OCCUR ON OVEREXPOSURE. MAY ALSO CAUSE NERVOUS SYSTEM DEPRESSION. SIGNS & SYMPS OF EXPOS:HEADACHE, DIZZINESS, NAUSEA & LOSS OF COORDINATION ARE INDICATIONS OF EXCESSIVE EXPOSURE TO VAPORS OR SPRAY MISTS. CHRONIC:REPORTS HAVE ASSOCIATED REPEATED (EFTS OF OVEREXP) |
| Carcinogenity: NTP                       | NO |
| Carcinogenity: IARC                      | NO |
| Carcinogenity: OSHA                      | NO |
| Explanation of Carcinogenity             | NOT RELEVANT  |
| Symptoms of Overexposure                 | HLTH HAZ:AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE  |
| Medical Cond. Aggrevated by Exposure     | NONE GENERALLY RECOGNIZED  |
| Emergency/First Aid Procedures           | INGEST:CALL MD IMMEDIATELY (FP N). INHAL:REMOVE FROM EXPOSURE-RESTORE BREATHING-KEEP WARM AND QUIET. SKIN:WASH AFFECTED AREATHOROUGHLY WITH SOAP & WATER. EYES:FLUSH WITH LARGE AMOUNTS OF WATER FOR @LEAST 15 MINUTES. GET MEDICAL ATTENTION  |

SECTION VII - Precautions for Safe Handling and Use

|  |  |
| --- | --- |
| Steps if Material Released/Spilled       | REMOVE SOURCES OF IGNITION. VENTILATE AND REMOVE WITH INERTABSORBENT  |
| Neutralizing Agent                       | NONE SPECIFIED BY MANUFACTURER  |
| Waste Disposal Method                    | INCINERATE IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINERS. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCALREGULATIONS  |
| Handling and Storage Precautions         | CONTENTS ARE COMBUSTIBLE. KEEP AWAY FROM HEAT AND OPEN FLAME. USE APPROVED BONDING AND GROUNDING PROCEDURES  |
| Other Precautions                        | TRANSFER ONLY TO APPROVED, PROPERLY MARKED CONTAINERS.KEEP OUT OF REACH OF CHILDREN. INTENTIONAL MISUSE BY DELIBERATELY INHALINGCONTENTS CAN BE HARMFUL OR FATAL  |

SECTION VIII - Control Measures

|  |  |
| --- | --- |
| Respiratory Protection                   | NIOSH/MSHA APPROVED PROPERLY FITTED ORGANIC VAPOR/PARTICULATE RESPIRATOR  |
| Ventilation                              | LOCAL EXHAUST:PREFERABLE  |
| Protective Gloves                        | IMPERVIOUS GLOVES (FP N)  |
| Eye Protection                           | ANSI APPRVD CHEM WORKERS GOGGLES (FP N)  |
| Other Protective Equipment               | ANSI APPRVD EMERGENCY EYE WASH & DELUGE SHOWER (FP N)  |
| Work Hygenic Practices                   | NONE SPECIFIED BY MANUFACTURER  |
| Supplemental Health/Safety Data          | FIRE FIGHT PROC:WHEN EXPOSED TO EXTREME HEAT  |
| Disposal Code                            | O |

SECTION IX - Label Data

|  |  |
| --- | --- |
| Protect Eye                              | YES |
| Protect Skin                             | YES |
| Protect Respiratory                      | YES |
| Chronic Indicator                        | YES |
| Contact Code                             | SLIGHT |
| Fire Code                                | UNKNOWN |
| Health Code                              | UNKNOWN |
| React Code                               | UNKNOWN |
| Specific Hazard and Precaution           | CNS DEPRESSION, IRRITATION OF EYES, SKIN,NAUSEA, LOSS OF COORDINATION, DIZZINESS, HEADACHES, PROLONGED OCCUPATIONAL OVEREXPOSURE MAY CAUSE PERMANENT BRAIN DAMAGE AND CNS DAMAGE  |

SECTION X - Transportation Data

|  |  |
| --- | --- |
| Container Quantity                       | 1 |
| Unit of Measure                          | QT |

**SECTION XI - Site Specific/Reporting Information**

|  |  |
| --- | --- |
| Volatile Organic Compounds (P/G)         | 4.16 |
| Volatile Organic Compounds (G/L)         | 498.5296 |

**SECTION XII - Ingredients/Identity Information**

|  |  |
| --- | --- |
| Ingredient #                             | 01 |
| Ingredient Name                          | MINERAL SPIRITS |
| CAS Number                               | 64742887 |
| NIOSH Number                             | 1005956MS |
| Proprietary                              | NO |
| Percent                                  | 56.6 |
| OSHA PEL                                 | 500 PPM (MFR) |
| ACGIH TLV                                | 100 PPM (MFR) |
| Recommended Limit                        | N/K |
| Ingredient #                             | 02 |
| Ingredient Name                          | 2-BUTANONE, OXIME |
| CAS Number                               | 96297 |
| Proprietary                              | YES |
| Percent                                  | .3 |
| OSHA PEL                                 | N/E |
| ACGIH TLV                                | N/E |
| Ingredient #                             | 03 |
| Ingredient Name                          | MAGNESIUM 2-ETHYLHEZANOATE |
| CAS Number                               | 15956588 |
| Proprietary                              | NO |
| Percent                                  | .3 |
| OSHA PEL                                 | 5 MG/M3 |
| ACGIH TLV                                | 5 MG/M3 |
| Ingredient #                             | 04 |
| Ingredient Name                          | HEXYLENE GLYCOL |
| CAS Number                               | 107415 |
| Proprietary                              | NO |
| Percent                                  | 0.1 |
| OSHA PEL                                 | 25 PPM |
| ACGIH TLV                                | 25 PPM |
| Ingredient #                             | 05 |
| Ingredient Name                          | 1,10 PHENANTHROLINE (<0.1%) |
| CAS Number                               | 66717 |
| Proprietary                              | NO |
| Percent                                  | 0.1 |
| OSHA PEL                                 | N/E |
| ACGIH TLV                                | N/E |
| Ingredient #                             | 06 |
| Ingredient Name                          | AROMATIC PETROLEUM DISTILLATE |
| CAS Number                               | 64742956 |
| Proprietary                              | NO |
| Percent                                  | 1.0 |
| OSHA PEL                                 | N/E |
| ACGIH TLV                                | N/E |
| Ingredient #                             | 07 |
| Ingredient Name                          | AMORPHOUS SILICA |
| CAS Number                               | 7631869 |
| Proprietary                              | NO |
| Percent                                  | 3.3 |
| OSHA PEL                                 | 15 MG/M3 |
| ACGIH TLV                                | 15 MG/M3 |
| Ingredient #                             | 08 |
| Ingredient Name                          | CRYSTALLINE SILICA (<0.1%) |
| CAS Number                               | 14808607 |
| Proprietary                              | NO |
| Percent                                  | 0.1 |
| OSHA PEL                                 | 10 MG/M3 |
| ACGIH TLV                                | .05 MG/M3 |