**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 |