

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: 4-4446 GYM LINE ENAMEL #677 NAVY BLUE
PRODUCT CODE: 000000000000044446

HMIS CODES: H F R P
2 2 0

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER: DAVIS PAINT COMPANY
ADDRESS: 1311 IRON STREET
P.O. BOX 7589
N. KANSAS CITY, MO 64116
EMERGENCY PHONE: (816) 471-4447
INFORMATION PHONE: (816) 471-4447
FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT - CONTACT CHEMTREC PHONE: (800) 424-9300

DISTRIBUTOR: HILLYARD INDUSTRIES
ADDRESS: 302 NORTH FOURTH STREET
ST. JOSEPH, MO 64501
<http://www.hillyard.com>
DATE PRINTED: 01/15/04
NAME OF PREPARER: Sandy Haskins

SECTION II - INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
MINERAL SPIRITS (Stoddard Solvent) OSHA TWA: 100 PPM, ACGIH TLV: 100 PPM, DAVIS (REC): 525 mg/m3	8052-41-3	1.7 68	30% - 35%
NEPHELINE SYENITE OSHA PEL: N/A, ACGIH TLV: 10 mg/m3, DAVIS (REC): 5 mg/m3	37244-96-5	0 68	10% - 15%
MINERAL SPIRITS NON-EXEMPT (Stoddard Solvent) OSHA TWA: 100 PPM, ACGIH TLV: 100 PPM, DAVIS (REC): 525 mg/m3	8052-41-3	1.7 68	10% - 15%
ZIRCONIUM DRIER (12% as Zr Compound) OSHA TWA: 5 mg/m3, ACGIH TLV: 5 mg/m3, DAVIS (REC): 5 mg/m3	7440-67-2	2 68	1% - 5%
CARBON BLACK OSHA TWA: 3.5 mg/m3, ACGIH TLV: 3.5 mg/m3, DAVIS (REC): 3.5 mg/m3	1333-86-4	0 68	0.23

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***
This material contains ingredients covered by the California "Safe Drinking Water and Toxic Enforcement Act of 1986".

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 300 deg F - 316 deg F
VAPOR DENSITY: HEAVIER THAN AIR
COATING VOC: 3.76 lb/gl, 450 g/l
MATERIAL VOC: 3.76 lb/gl, 450 g/l

SPECIFIC GRAVITY (H₂O=1): 1.00
EVAPORATION RATE: SLOWER THAN ETHER
SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Liquid, aliphatic odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TCC): 103 deg F
EXTINGUISHING MEDIA: FOAM, CO₂, DRY CHEMICAL
SPECIAL FIREFIGHTING PROCEDURES: Full protective equipment and self contained breathing apparatus should be used. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion from heating
UNUSUAL FIRE AND EXPLOSION HAZARDS: Handle as an ignitable liquid. Keep containers tightly closed and isolate from heat, electrical equipment, sparks or flame. Vapors form an explosive mixture in air between the upper and lower explosive limits. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Avoid spontaneous combustion of soiled rags, steel wool, spray booth filters, spray residues and other waste material contaminated with this product by immediately immersing them in a sealed, water-filled metal container prior to disposal.

SECTION V - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: Excessive heat, all possible sources of ignition, poor ventilation, corrosive atmospheres, excessive aging.
INCOMPATIBILITY (MATERIALS TO AVOID): Alkaline materials, strong acids and oxidizing materials. If this product is not water reducible, avoid water.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Thermal decomposition or combustion can produce fumes containing organic acids, carbon dioxide and carbon monoxide.
HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Solvent vapor or mist can cause dizziness, breathing difficulty, headaches, irritation to nose and throat, loss of coordination. Continued over-exposure can lead to central nervous system depression.

===== SECTION VI - HEALTH HAZARD DATA (continued) =====

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Eye Contact: Liquid or vapor can cause irritation, tearing, discomfort, redness and blurred vision. Skin Contact: Can cause irritation. Can cause defatting of skin which can lead to dermatitis.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Liquid can be absorbed through skin causing irritation, defatting and dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Can cause mouth, throat, esophagus and stomach irritation, nausea, vomiting and diarrhea.

HEALTH HAZARDS (ACUTE AND CHRONIC): Reports have associated repeated or prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

CARCINOGENICITY: NTP CARCINOGEN: No **IARC MONOGRAPHS:** Yes **OSHA REGULATED:** No

This product contains carbon black which has been identified as possibly carcinogenic to humans (IARC Group 2B - Based on sufficient evidence for carcinogenicity in laboratory animal studies, but inadequate evidence for cancer in exposed humans).

Normal application procedures pose minimal hazard since the carbon black is wet and encapsulated. Risk of cancer may be reduced by following recommended ventilation/control practices, keeping below TWA and/or TLV values listed in section 2.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting eye, skin, liver, kidney and respiratory disorders.

EMERGENCY AND FIRST AID PROCEDURES: Inhalation- Move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention. Eye contact- Flush immediately with a large amount of water for at least 15 minutes and get medical attention. Skin contact- Wash thoroughly with soap and water while removing contaminated clothing and shoes. Ingestion- Do not induce vomiting! Contact physician or your local poison control center immediately.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all sources of ignition (flames, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools. Keep out of sewers.

WASTE DISPOSAL METHOD: Collect absorbent/spilled liquid into metal containers. Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility. Obey relevant laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep away from excessive heat, sparks or open flames. Keep containers closed when not in use. Store in cool, well ventilated approved areas. Avoid free fall of liquid in excess of a few inches and ground container when pouring. Use non-sparking utensils when handling this material. Keep containers closed and upright when not in use.

OTHER PRECAUTIONS: Do not take internally. Store large quantities in buildings designed to comply with OSHA 1910.106. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks and flames. Do not cut, puncture or weld on or near emptied containers. Wash hands after using and before smoking or eating. Follow all hazard precautions given in this data sheet until container is thoroughly cleaned or destroyed. **KEEP OUT OF THE REACH OF CHILDREN.** Avoid spontaneous combustion of soiled rags, steel wool, spray booth filters, spray residues and other material contaminated with this product by immediately immersing them in a sealed, water-filled metal container prior to disposal.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION: Do not breathe vapors or spray mist. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during the use of this product until vapor and mists are exhausted, unless air monitoring demonstrates vapor and mist levels are below applicable exposure limits. Observe OSHA Standard 29CFR 1910.134.

VENTILATION: Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the lower explosion limit and applicable exposure limits. Refer to OSHA Standard 29 CFR 1910.94.

PROTECTIVE GLOVES: Use chemical/solvent impermeable gloves to avoid contact with product.

EYE PROTECTION: Avoid contact with eyes. Use safety eyewear with splash guards or side shields, chemical goggles, face shields.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Provide eyewash station and emergency shower. Use of protective creams, head caps, etc. is recommended. Avoid contact with contaminated clothing. Wash contaminated clothing, including shoes, before reuse.

WORK/HYGIENIC PRACTICES: Wash hands before eating or using washroom, smoke in smoking areas only.

===== SECTION IX - DISCLAIMER =====

To the best of our knowledge, the information contained herein is based on data considered accurate. No warranty expressed or implied is made. Davis Paint assumes no responsibility for damage to person, property or business caused by the material. It is the responsibility of the purchaser or user of the material to ensure that it is properly used.