

**MATERIAL SAFETY DATA SHEET**

MSDS date: 4/1/05  
Supersedes: All Previous

MANUFACTURER: **HIRSHFIELD'S PAINT MANUFACTURING**  
4450 LYNDALE AVENUE NORTH  
MINNEAPOLIS, MN 55412

MEDICAL AND TRANSPORTATION EMERGENCY CONTACT:  
INFOTRAC: 1-800-535-5053

**PRODUCT IDENTIFICATION**

TRADE NAME: Athletic Field Marking Paint  
CHEMICAL FAMILY: LATEX EMULSION/PIGMENT DISPERSION  
SYNONYMS: 1412 (white), 1415 (yellow)  
DOT CLASSIFICATION: NOT REGULATED  
CAS NUMBER: MIXTURE

**PHYSICAL DATA**

BOILING RANGE (F): 212(Water)  
FREEZING POINT (F): 32(Water)  
SOLUBILITY IN WATER: Dilutable  
SPECIFIC GRAVITY: 1.3  
VAPOR DENSITY (AIR=1): <1  
% VOLATILE BY WEIGHT: 62  
VAPOR PRESSURE (mmHg@68F): 17  
pH INFORMATION: 8.5-10.0  
EVAPORATION RATE (BUTYL ACETATE = 1): <1 (Water)  
APPEARANCE/ODOR: Liquid, various colors, latex odor.

**HAZARDOUS INGREDIENTS**

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>TLV PPM</u>	<u>TLV MG/M3</u>	<u>CAS NUMBER</u>
None				

This paint mixture contains pigments classed by ACGIH as "nuisance dusts". Exposures to spray mists or sanding dusts should be controlled to below 10 mg/m<sup>3</sup> through usage of NIOSH/MSHA TC23C or equivalent approved dust filter respirators. Follow respirator manufacturer's directions for respirator use.

**SECTION 313 SUPPLIER NOTIFICATION:**

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

NONE above de minimis concentrations.

HMIS RATING: HEALTH = 1 FLAMMABILITY = 0 REACTIVITY = 0

\* The user should determine appropriate personal protective equipment based on use conditions.

## FIRE AND EXPLOSION DATA

FLASH POINT: Not determined (aqueous system)

FIRE EXTINGUISHING MEDIA: Non-flammable (aqueous emulsion)

When water evaporates, remaining material can burn.

LEL: Not determined (aqueous system)

UEL: Not determined (aqueous system)

Use all-purpose foam for large fires, and CO<sub>2</sub> or dry chemical media for small fires.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus when fighting fires in enclosed areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Product will not burn but may spatter if temperature exceeds boiling point of water. Dried solids can burn, giving off oxides and carbon.

## REACTIVITY DATA

THIS PRODUCT IS STABLE UNDER NORMAL (AMBIENT) CONDITIONS AND HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion of dried film may produce carbon dioxide and carbon monoxide.

CONDITIONS OR MATERIALS TO AVOID: NONE

## HEALTH HAZARD DATA

### EFFECTS OF ACUTE OVER EXPOSURE:

INGESTION: Irritating to gastrointestinal tract, abdominal pain, and diarrhea.

INHALATION: Trace component, residual monomer, and other organics may be irritating to eyes, skin, mucous membranes, respiratory tract and may produce symptoms of headache, nausea in poorly ventilated areas.

SKIN CONTACT: Prolonged contact may cause transient reddening of the skin.

EYE CONTACT: Direct contact may be irritating to eyes.

EFFECTS OF REPEATED OVEREXPOSURE: This mixture as provided shows no evidence of chronic effects from available information.

### EMERGENCY FIRST AID PROCEDURES:

INGESTION: Induce vomiting; consult a physician.

INHALATION: Remove to fresh air. If irritation persists, seek medical attention. If victim is not breathing, qualified personnel should administer artificial respiration. Seek immediate medical attention.

SKIN CONTACT: Wash affected area thoroughly with mild soap and water. If irritation develops and persists seek medical attention.

EYE CONTACT: Immediately flush eyes for 15 minutes occasionally lifting eyelids. If victim wears contact lenses, remove lenses and continue rinsing. Obtain medical attention.

### TOXICITY DATA

NOTE: Formaldehyde may be generated under acid conditions. Maintain adequate ventilation under these conditions to prevent exposure above TWA 0.3 ppm and STEL of 0.6 ppm.

### SPILL OR LEAK PROCEDURES

STEPS TO TAKE IN CASE OF SPILL OR LEAK: Major spills should be collected for disposal. Minor spills may be flushed to sewer if permitted by local, state, and federal regulations.

WASTE DISPOSAL METHOD: Incinerate or bury in suitable landfill where permitted by appropriate government regulations.

### SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use appropriate MSHA/NIOSH-approved respirator in areas with poor ventilation and when exposed to spray mists or sanding dusts.

VENTILATION: General room ventilation is expected to be satisfactory. Use local exhaust if needed.

EYE PROTECTION: Safety glasses and available eye bath.

PROTECTIVE GLOVES: Use gloves impervious to water and soap.

### SPECIAL PRECAUTIONS

Avoid breathing vapors and keep containers closed. Keep from freezing. Keep out of the reach of children.

### DISCLAIMER

The information in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or completeness. The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. Disposal of containers should be in accordance with applicable federal, state and local laws and regulations.