

**MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS & RELATED MATERIALS**

SECTION I

PRODUCT IDENTIFICATION

Manufacturer	Ennis Paint, Inc. P.O. Box 404 Ennis, Texas 75120	Information Ph: Emergency Ph: Revised: 03/14/08	800-331-8118 800-424-9300
Product Class:	Leaded Yellow Thermoplastic Roadmarking Compound		

Trade Name: Ennis Paint Thermoplastic
CAS. Number: N/A – Formula Mixture

HAZARD RATINGS:	HTH	1
NONE-EXTREME	FIRE	1
0 - 4	REACTIVITY	1

SECTION II

HAZARDOUS INGREDIENTS
Applies to Leaded Yellow Only

INGREDIENTS OSHA/PEL	CAS #	wt %	Exposure Limits ACGIH/TLV	
Silica Encapsulated Pigment Yellow 34 *	116565-74-3	10.0 MAX	Not Established	Not Established

*Contains 2-10% chrome yellow pigment (encapsulated lead chromate and other lead compounds). As noted in OSHA lead standard, repeated prolonged exposure to lead chromate may cause delayed effects involving the blood, gastrointestinal, nervous and reproductive systems. However, this product contains encapsulated lead chromate, a much safer form.
White and lead free yellow products do not contain any hazardous ingredients.

**SECTION III
PHYSICAL DATA**

BOILING POINT:	Not Applicable	VAPOR DENSITY:	Not Applicable
EVAPORATION RATE:	Not Applicable	VAPOR PRESSURE:	Not Applicable
APPEARANCE:	Solid Powder or Block	SOLUBILITY IN WATER:	Not Applicable
SPECIFIC GRAVITY:	1.70 - 2.20	MELTING POINT:	R&B 95-120°C
Odor:	Odorless		

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT-COC	>500°F	LEL: N/A	UEL: N/A
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EXTINGUISHING MEDIA:
Water, Dry Chemical, CO2, Foam

SPECIAL FIREFIGHTING PROCEDURES:
DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO THERMAL DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZZARD. AN APPROVED SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN.

UNUSUAL FIRE & EXPLOSION HAZARDS:
WHEN EXPOSEED TO FLAME, EMITS ACRID FUMES.

DUST MAY FORM EXPLOSIVE MIXTURE WITH AIR.

SECTION V REACTIVITY DATA

STABILITY: UNSTABLE STABLE
HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR
INCOMPATIBILITY: Strong Oxidation Agents
CONDITIONS TO AVOID: Temperatures Above 500°F, Open Flame.
HAZARDOUS DECOMPOSITION PRODUCTS: May include CO, Co2, and Aliphatic Aldehydes.

SECTION VI HEALTH HAZARD DATA

PERMISSABLE EXPOSURE LEVEL:

- SEE SECTION II FOR INFORMATION ABOUT INDIVIDUAL INGREDIENTS.

ACUTE EXPOSURE:

- **INHALATION:** OVEREXPOSURE TO NUISANCE DUST CAN LEAD TO DIFFICULTY IN BREATHING AND MAY IRRITATE SKIN, EYES, AND RESPIRATORY SYSTEM.
- **EYES:** POWDER OR DUST MAY CAUSE IRRITATION.
- **SKIN:** MOLTEN MATERIAL CAN CAUSE SERIOUS BODILY BURNS.
- **INGESTION:** NONE KNOWN

CHRONIC EXPOSURE:

- Inhalation: NO CHRONIC EXPOSURE EFFECTS ARE KNOWN.

EMERGENCY AND FIRST AID PROCEDURES:

- **EYES:** FLUSH THOROUGHLY WITH WATER, GET IMMEDIATE MEDICAL ATTENTION IF CONTACT OCCURRED WITH MOLTEN MATERIAL OR IF IRRITATION PERSISTS.
- **SKIN:** WASH EXPOSED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IF CONTACT OCCURRED WITH MOLTEN THERMOPLASTIC APPLY WATER OR ICE PACK IMMEDIATELY. DO NOT ATTEMPT TO REMOVE LARGE PATCHES OF AFFIXED THERMOPLASTIC FROM SKIN, SEEK PROMT MEDICAL ATTENTION
- **INHALATION:** MOVE VICTIM AWAY FROM SOURCE OF EXPOSURE AND INTO FRESH AIR IF SYMPTOMS OF OVEREXPOSURE DEVELOP, GET MEDICAL ATTENTION. GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED.
- **INGESTION:** IF LARGE AMOUNTS ARE INGESTED, INDUCE VOMITING. SEEK APPROPRIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- Sweep, Shovel, or Vacuum into container for disposal or reuse.

WASTE DISPOSAL METHOD:

- Dispose of in accordance with local, state and federal regulations.
- Avoid discharge to natural waters.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

- WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/OSHA APPROVED) DURING APPLICATION. IF APPLICATION IS LIKELY TO EXCEED ACCEPTABLE CRITERIA. SPECIFICALLY A NIOSH APPROVED ORGANIC VAPOR/DUST FILTRATION TYPE IS RECOMMENDED

VENTILATION:

- ADEQUATE VENTILATION IS NECESSARY WHEN APPLYING OR MIXING AND EXHAUST WITH PROPER AIRFLOW IS ALWAYS RECOMMENDED.
- AVOID ANY DIRECT INHALATION OF HEATED MATERIAL.

EYE PROTECTION:

- WEAR APPROVE SAFETY FACE SHIELD, THIS WILL HELP PREVENT EYE INJURY.

OTHER PROTECTIVE EQUIPMENT:

- GLOVES, LONG SLEEVES, HATS AND FACE SHIELDS ARE RECOMMENDED TO PREVENT THE POSSIBILITY OF BURNS.
- TRAIN AND EDUCATE EMPLOYEES IN THE SAFE USE OF THE PRODUCT.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

- PROTECT FROM MOISTURE DAMAGE WITH APPROPRIATE COVERINGS
- REMOVE ALL INGNITION SOURCES FROM MATERIAL HANDLING, TRANSFER, AND PROCESSING AREAS. MECHANICAL AND LOCAL EXHAUST SHOULD BE PROVIDED IN UNVENTILATED WORK AREAS.

SECTION X ADDITIONAL REGULATORY INFORMATION

DOT CLASSIFICATION SOLID STATE, GRANULAR OR BLOCK FORM: NOT DOT REGULATED.
DOT PROPER SHIPPING NAME: COMPOUND PAVEMENT MARKING

DOT CLASSIFICATION MOLTEN LIQUID STATE, TEMPERATURES ABOVE 100°C , IS DOT REGULATED.

DOT PROPER SHIPPING NAME: ELEVATED TEMPERATURE MATERIAL, LIQUID, N.O.S.
9, UN 3257, III.

TSCA-U.S. TOXIC SUBSTANCES CONTROL ACT:

ALL COMPONENTS OF THIS MIXTURE ARE IN COMPLIANCE WITH THE INVENTORY LISTING REQUIREMENTS OF THE U.S. TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCES INVENTORY.

The following applies to Leaded Yellow Only; White and Lead Free Yellow products do not contain lead or chromium

SARA TITLE III SECTION 313:

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:

CAS#	CHEMICAL NAME	PERCENT BY WEIGHT
7440-47-3	Elemental Chromium	1.2 Maximum
7440-92-1	Elemental Lead	5.3 Maximum

PROP 65 (CARCINOGEN):

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

CAS#	CHEMICAL NAME	PERCENT BY WEIGHT
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7440-47-3
7440-92-1

Elemental Chromium
Elemental Lead

1.2 Maximum
5.3 Maximum

PROP 65 (TERATOGEN):

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

<u>CAS#</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
7440-47-3	Elemental Chromium	1.2 Maximum
7440-92-1	Elemental Lead	5.3 Maximum

PROP 65 (BOTH CARCINOGEN AND TERATOGEN):

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

<u>CAS#</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
7440-47-3	Elemental Chromium	1.2 Maximum
7440-92-1	Elemental Lead	5.3 Maximum

This statement and exact wording is included as required by the State of California. The conclusion that all chromium (IV) and lead compounds have the same toxicological properties is not supported by current toxicological data for lead chromate pigments.

SECTION XI

MISCELLANEOUS INFORMATION

THE INFORMATION OFFERED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE, BUT ALL RECOMMENDATIONS ARE MADE WITHOUT WARRANTY, EXPRESS OR IMPLIED, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, NEITHER ENNIS PAINT, INC., NOR ITS AGENTS SHALL BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING FROM THE USE OR THE INABILITY TO USE THE PRODUCT DESCRIBED HEREIN. NO PERSON IS AUTHORIZED TO MAKE ANY STATEMENT OR RECOMMENDATION NOT CONTAINED IN THE MATERIAL DATA SHEET, AND ANY SUCH STATEMENT OR RECOMMENDATION, IF MADE SHALL NOT BIND THE CORPORATION.