

Material Safety Data Sheets  
For Coatings, Resins, and Related Materials  
Replaces NPCA 1-82

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**INFORMATION TELEPHONE NO.**  
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**SECTION I – PRODUCT IDENTIFICATION**

**PRODUCT NUMBER:** 237, 225, 227, 251  
**PRODUCT NAME:** Polyurethane High Gloss Enamel  
**PRODUCT CLASS:** Solvent Based Paint

**SECTION II – HAZARDOUS INGREDIENTS**

| CAS NO.   | INGREDIENT        | PERCENT<br>By Volume | OCCUPATIONAL<br>EXPOSURE LIMITS |     | VAPOR PRESSURE<br>mm HG |
|-----------|-------------------|----------------------|---------------------------------|-----|-------------------------|
|           |                   |                      | TLV                             | PEL |                         |
| 8032-32-A | Mineral Spirits * | 49                   | 100ppm                          |     | 2 @ 68 ° F.             |

\* The above mixture contains a toxic chemical or chemicals subject to the reporting requirement of Section 313 of Title III of 40CFR372.

**SECTION III – PHYSICAL DATA**

**BOILING RANGE** 300-386 ° F    **VAPOR DENSITY:**  HEAVIER     LIGHTER THAN AIR    **WT/GAL:** 11.0  
**EVAPORATION RATE:**     FASTER     SLOWER THAN ETHER    **% VOLATILE VOLUME** 49

**SECTION IV – FIRE & EXPLOSION HAZARD DATA**

**FLAMMABILITY CLASSIFICATION:** OSHA: C Liq. II    **FLASH POINT:** 100 ° F. TCC    **LEL:** 1.0  
DOT: PAINT, 3, UN1263, PGIII

**EXTINGUISHING MEDIA:**

FOAM     "ALCOHOL" FOAM     CO<sub>2</sub>     DRY CHEMICAL     WATER FOG     OTHER

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Closed containers may explode when exposed to extreme heat. Decomposition products of burning material will contain carbon monoxide and zinc fumes.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be ineffective in extinguishing fire. If water is used to cool containers near fire, fog nozzles are preferred.

**SECTION V – HEALTH HAZARD DATA**

**EFFECTS OF OVEREXPOSURE:** Breathing difficulty, dizziness, nausea. Respiratory tract irritation. Narcosis at high concentrations of fumes. Prolonged and repeated overexposure may cause permanent brain and/or nervous system damage.

**MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:** Any lung disease. Allergies.

**PRIMARY ROUTE(S) OF ENTRY:**  DERMAL  INHALATION  INGESTION

**EMERGENCY & FIRST AID PROCEDURES:** **INHALATION:** Remove to fresh air. Administer oxygen if necessary until medical attention can be obtained. **EYE CONTACT:** Flush with large quantities of water for at least 15 minutes. Seek immediate medical attention. **SKIN CONTACT:** Wash thoroughly with soap & cool water. If irritation persists, get medical attention. **INGESTION:** Do NOT induce vomiting. Obtain medical attention immediately.

**SECTION VI – REACTIVITY DATA**

**STABILITY:**  UNSTABLE  STABLE

**HAZARDOUS POLYMERIZATION:**  MAY OCCUR  WILL NOT OCCUR

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning material will give off some carbon monoxide and zinc compounds. Use proper respiratory protection when fighting fire.

**CONDITIONS TO AVOID:** Heat, open flame, sparks. Ground and bond containers when transferring material from one container to another. Avoid free fall of material.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Avoid strong oxidizing agents, strong acids or bases.

**SECTION VII – SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Avoid contact. Remove ignition sources. Dike and absorb with absorbent material. Keep spills out of municipal sewers and open bodies of water.

**WASTE DISPOSAL:** Dispose of in accordance with federal, state and local regulations.

**SECTION VIII – SAFE HANDLING AND USE INFORMATION**

**RESPIRATORY PROTECTION:** If spray dust is formed, use particulate mask conforming to TC-21C or equivalent.

**VENTILATION:** If necessary, use mechanical ventilation to keep vapor concentration under permissible T.L.V. If still inadequate, use mask conforming to TC-23C or equivalent.

**PROTECTIVE GLOVES:** Solvent resistant gloves.

**EYE PROTECTION:** Splash and/or spray dust protection required.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**HYGIENIC PRACTICES:** Observe all normal industrial hygienic practices. Wash hands before eating.

**HMIS CODES:** 1, 0, 0, B

**SECTION IX – SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Do not store in high temperature area or near fire or open flame. Keep closure tight and container upright to avoid leakage.

**OTHER PRECAUTIONS:** Do not take internally. Avoid prolonged contact with skin. Ground and bond containers when transferring material. Do not weld or flame cut an empty drum. Avoid free fall of material when transferring.

The information in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The information is furnished free of charge and is based on technical data that is believed to be reliable and accurate. It is intended for use by persons having technical ability at their own discretion and risk. Since conditions of use are outside our control, we make no warranties, expressed or implied, and assume no liability or legal responsibility in connection with any use or reliance upon this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.