

**MSDS - Gloss Polyurethane Finish****MATERIAL SAFETY DATA SHEET**

DATE OF ISSUE: 10/2009

**MANUFACTURER'S NAME:** : NATIONAL PAINT INDUSTRIES  
1999 ELIZABETH STREET  
NORTH BRUNSWICK, NJ 08902

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**Section 1 - PRODUCT IDENTIFICATION**

MANUFACTURER'S CODE IDENTIFICATION: <b>8700</b>	HMIS CODE   Health: 2	SARA TITLE 312 Acute: YES
PRODUCT CLASS: Oil Modified Polyurethane Gloss	Flammability: 3	Chronic: YES
	Reactivity: 0	Fire: YES
	Personal Prot.: H	Pressure: NO
		React: NO

**SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION**

INGREDIENT	CAS #	OSHA PEL	ACGIH TLV	STEL	mmhg	@temp	wt. %.
med. aliphatic							
naptha/mineral spirits	64742-88-7	100 ppm	100ppn		60.0	68F	1
light aromatic naptha	64742-95-6	NE	NE	50 ppm	2.7	68F	<1
tert butyl acetate	540-8-5		200ppm	250 ppm	31.0	68F	2.0
parachlorobenzotrifluoride	98-56-6	25 ppm twa			5.3	75F	15

\*\*\* No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present \*\*\*

**SECTION III - PHYSICAL DATA**

BOILING RANGE 139-313 deg. F VAPOR DENSITY: HEAVIER THAN AIR  
EVAPORATION RATE: SLOWER THAN ETHER  
COATING VOC: 347 G/L, MATERIAL VOC: 282 G/L  
Weight by gallon: 8.04 lb/gal  
SOLUBILITY IN WATER: non-soluble  
APPEARANCE & ODOR: liquid / sharp fruity odor

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: 82 F  
FLAMMABLE LIMITS IN AIR BY VOLUME – LOWER: 0.5% UPPER: 10.5%  
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG  
UNUSUAL FIRE AND EXPLOSION HAZARDS – Handle as flammable liquid. Vapors form an explosive mixture in air between the upper and lower explosive limits. These vapors can be ignited by many sources such as pilot lights, open flames, electrical motors and switches. Firefighters should use self-contained breathing apparatus. Cool fire-exposed containers with water.  
SPECIAL FIREFIGHTING PROCEDURES—Respiratory equipment should be worn to avoid inhalation of concentrated vapors. Water should not be used except as fog to keep nearby containers cool.

**SECTION V - REACTIVITY DATA****STABILITY:** STABLE**CONDITION TO AVOID-** Heat, sparks, sources of ignition, open flame.**INCOMPATIBILITY (MATERIALS TO AVOID)** – Strong acids and oxidizing materials.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS** - CO, CO<sub>2</sub>, and unidentified compounds may be formed during combustion.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

## **SECTION VI - HEALTH HAZARD DATA**

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Dizziness, breathing difficulty, headaches & loss of coordination.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Severe irritation, tearing, redness and blurred vision.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Can dry and defat skin causing cracks, irritation and dermatitis.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Can cause gastrointestinal irritation, vomiting, nausea and diarrhea.

### **HEALTH HAZARDS**

**CHRONIC:** Prolonged or repeated exposure to solvents may cause central nervous system damage, kidney damage, liver abnormalities, lung damage, spleen damage.

**ACUTE:** Dizziness, headaches, loss of coordination, breathing difficulty, eye irritation, defatting of skin, dermatitis, nausea, vomiting.

**CARCINOGENICITY:** NTP? NO      IARC MONOGRAPHS: NO      OSHA REGULATED? NO

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Anesthesia, respiratory tract irritation, dermatitis, nausea, vomiting.

### **EMERGENCY AND FIRST AID PROCEDURES—**

Inhalation overexposure – Move person to fresh air. If breathing stops, administer artificial respiration and seek immediate medical attention.

Eye contact – Flush with large quantities of water for 15 minutes.

Skin contact – Wash thoroughly with soap and water.

Ingestion – **DO NOT INDUCE VOMITING:** Can cause chemical pneumonitis and pulmonary edema. Contact physician immediately.

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## **SECTION VII - SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED** - Remove all sources of ignition. Wear safety equipment as described in section VIII. Assume for all hazardous ingredients listed in section II, That TLV, PEL, and LEL limits will be exceeded. Absorb on inert material and dispose.

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

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## **SECTION VIII - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION** –Wear appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application unless air monitoring demonstrates vapor/mist levels are below application limits. Follow respirator manufacturer's directions for respirator use. In poorly ventilated and confined spaces, use a self contained breathing apparatus.

**VENTILATION:** General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equipment must be explosion proof.

**PROTECTIVE GLOVES** – Impermeable chemical and solvent resistant gloves

**EYE PROTECTION** – Use chemical safety glasses with side shields or goggles.

**OTHER PROTECTIVE EQUIPMENT** – Use impermeable aprons and protective clothing whenever possible to prevent skin contact.

**WORK/HYGIENIC PRACTICES** – Eye washes and safety showers in the work place is recommended.

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## **SECTION IX - DISCLAIMER**

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