

SECTION I

PRODUCT NAME: TT 455 POLYMASTIC PRIMER October 14, 2003

COMMON NAMES/SYNONYMS: Blended Hydrocarbon, Aromatic Hydrocarbons Mixture

MANUFACTURER: TALON TAPES INDUSTRIES LTD.
7210 – 51 AVENUE
EDMONTON, ALBERTA, CANADA
T6B 2P4

DOT IDENTIFICATION NUMBER: UN 1139 (Coating Solution)

HAZARD CLASS: FLAMMABLE LIQUID (IMO CLASS 3;
WHMIS CLASS B, DIVISION 2)
PKG GROUP II

EMERGENCY TELEPHONE NUMBER (24 hrs) CANUTEC (613) 996-6666

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	CAS REG. NO.	AMOUNT (approx. %)	EXPOSURE LIMITS
TOLUENE	0108-88-3	30-40%	50 PPM TWA, 150 PPM STEL

* OSHA 29 CFR 1910.1000, 8 hour Time Weighted Average and Short Term Exposure Limits.

SECTION III – PHYSICAL CHEMICAL PROPERTIES

BOILING POINT: 110°C VAPOR DENSITY (Air=1): 4

SPECIFIC GRAVITY: 1.1 VAPOR PRESSURE: 45 mm Hg (75°F)*

FREEZING POINT: below 0°F WATER SOLUBILITY: negligible

VISCOSITY: Thick Syrup EVAPORATION RATE: (Ether=1): 1.9

pH: neutral PERCENT VOLATILE BY VOLUME: 46%

APPEARANCE AND ODOR: BLACK PUTTY, AROMATIC ODOR.
Odor threshold 10-15 ppm for Toluene.

* Based on VM&P Naptha (most volatile component).

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT (Pensky-Martens): 7°C (45°F)

AUTOIGNITION TEMPERATURE: Approximately 480°F (VM&P Naptha)

FLAMMABLE LIMITS: Lower: 1.3% Upper: 7.0%

EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical, water fog or spray.

SPECIAL FIRE FIGHTING PROCEDURES: If only water is available, use spray and not a direct hose stream. Isolate hazard area and do not permit unnecessary personnel to enter. Avoid breathing fumes or vapors. Wear full protective clothing, including NIOSH approved self-contained breathing apparatus. Cool surrounding areas and exposed containers with water.

UNUSUAL FIRE & EXPLOSION HAZARDS: The material is a moderate explosion hazard and a dangerous fire hazard when exposed to heat and flame, due mostly to its flammable solvent content. Vapors from this product may travel or be moved by air currents and ignited by pilot lights, other flames, heaters, electrical equipment, static discharges, or other ignition sources at locations distant from the handling point.

SECTION V – REACTIVITY DATA

STABILITY: Stable under most conditions. Avoid high temperatures, sparks, and open flames.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY – MATERIALS TO AVOID: Strong oxidizing agents such as liquid chlorine, pure oxygen, sodium hypochlorite, and calcium hypochlorite.

HAZARDOUS DECOMPOSITION PRODUCTS: Vapour forms a flammable/explosive mixture with air between upper and lower flammable limits. Burning can produce carbon dioxide, carbon monoxide and complex organic hydrocarbons.

SECTION VI – FIRST AID MEASURES

INHALATION: In emergency situations, use proper protection to immediately remove the affected persons from exposure. Remove to fresh air, restore or assist breathing as necessary. Oxygen may be given if required. Seek medical attention immediately.

EYE CONTACT: Flush immediately with gentle running water for 20 minutes ensuring that all surfaces and crevices are flushed. Seek medical attention immediately.

SKIN CONTACT: Flush contaminated area with water for at least 20 minutes. Remove contaminated clothing under running water. Completely decontaminate clothing before re-use, or discard. Wash contaminated skin with mild soap and water. Obtain medical attention as soon as possible after first-aid has been administered.

INGESTION: DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep the victims head below hips to prevent aspiration of liquid into lungs. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

SECTION VII – HEALTH HAZARD INFORMATION

THRESHOLD LIMIT VALUE: Not determined for mixture; 100 PPM for Toluene; 300 PPM for VM&P Naptha.

COMPONENTS LISTED AS KNOWN OR POTENTIAL CARCINOGENS: None

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

ACUTE EFFECTS OF OVEREXPOSURE:

INHALATION: May be irritating to mucous membranes. Inhalation of vapors may lead to giddiness, dizziness, nausea, and loss of consciousness.

SKIN CONTACT: May be mildly irritating to the skin. Prolonged or repeated exposure may result in defatting of skin, possibly leading to dermatitis.

EYE CONTACT: Short-term exposure may lead to irritation. NOTE: Wearing of contact lenses is not recommended.

INGESTION: Ingestion of liquid may lead to vomiting.

TOXICITY INFORMATION:

TOLUENE:	ihl-hmn TCLo	200 ppm
	ihl-mul LC50	>5320 ppm/8h

SECTION VIII – PRECAUTIONS FOR SAFE HANDLING AND USE

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

Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking.

LARGE SPILLS: Isolate the hazard area and keep unnecessary personnel away. Wear NIOSH-approved protective clothing and self-contained breathing apparatus. Ventilate area. Confine free liquid by diking and remove liquid with explosion-proof vacuum truck or pump to chemical storage vessel. Soak up residue with inert absorbent material such as clay or sand; place leak-free container, label as to contents, and hold for proper disposal. Dispose of spill material according to applicable regulations.

SMALL SPILLS: Soak up with inert absorbent material and place in non-leaking containers; label as to contents; seal tightly for proper disposal.

WASTE DISPOSAL: Dispose of material according to RCRA regulations. RCRA Number for Toluene is U220. D001 designates ignitable mixtures not specifically covered by another RCRA number.

PRECAUTIONS FOR HANDLING AND STORING: Do not store in excessive heat so as to avoid pressure buildup in containers. Keep liquid away from very intense heat sources to eliminate decomposition into toxic products. Avoid inhalation of vapors and excessive or repeated skin contact.

SECTION IX – CONTROL MEASURES

VENTILATION REQUIREMENT: Local or mechanical explosion-proof.

RESPIRATORY PROTECTION: If exposure exceeds, or there is possibility that it may exceed OSHA exposure limits (100 ppm for Toluene, 300 ppm for VM&P Naptha), use NIOSH-approved respirators. At extreme exposure levels, use self-contained breathing apparatus.

PROTECTIVE GLOVES: Chemically impervious.

EYE PROTECTION: Goggles.

OTHER PROTECTIVE EQUIPMENT: Chemical impervious clothing to prevent skin contact.

SECTION X – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not handle or store near heat, sparks, flame or strong oxidizers. Adequate ventilation required. Avoid breathing vapors; prolonged or repeated skin contact.

NOTE: FLAMMABLE LIQUID LABEL REQUIRED!

DATE OF ISSUE: October 14, 2003

PREPARED BY: Mike Germain