

# MATERIAL SAFETY DATA SHEET FOR TYLOK® TY-SPY LEAK DETECTOR, CLEAR

Mid-Temperature Leak Detector

For operating conditions between 30°F and 200°F (-1°C and 93°C)

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## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : TY-SPY LEAK DETECTOR, CLEAR  
PRODUCT IDENTIFIER : LEAK DETECTION COMPOUND  
PRODUCT USE : OXYGEN COMPATIBLE REG TEMP LEAK DETECTOR  
ITEM CODE(S) : 10-3200

MANUFACTURER : GREAT LAKES PAINT & CHEMICAL  
8265 BELLE VERNON DRIVE  
NOVELTY, OH 44072  
TEL: 440-338-8074

MANUFACTURED FOR : TYLOK INTERNATIONAL, INC.  
1061 EAST 260<sup>TH</sup> STREET  
EUCLID, OH 44132  
TEL: 216-261-7310

PREPARED BY : GREAT LAKES PAINT & CHEMICAL  
TELEPHONE : 440-338-8074  
EMERGENCY PHONE : CHEMTREC 800-424-9300  
PREPARATION DATE : MARCH 1, 2013  
OSHA REGULATORY STATUS : NOT REGULATED  
WHMIS CLASSIFICATION : NOT REGULATED

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## SECTION 2. COMPOSITION /INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS	OSHA PEL	ACGIH TLV	LD50 SPECIES/ROUTE	LC50 SPECIES/ROUTE	%WT
NONE						

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## SECTION 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

EYE: In accordance with FHSA/CPSC Guidelines product is not an eye irritant.

SKIN: In accordance with FHSA/CPSC Guidelines product is not a primary dermal irritant.

INGESTION: Effect of ingestion unknown, but major toxicity is not expected to occur.

INHALATION: No health effects anticipated from vapor.

EFFECTS OF ACUTE EXPOSURE: N/Av

EFFECTS OF CHRONIC EXPOSURE: No serious long-term health effects are anticipated.

OTHER IMPORTANT HAZARDS: None.

SUGGESTED HMIS RATING: HEALTH | 1 | FLAMMABILITY | 0 | REACTIVITY | 0 | SPECIAL - NONE

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## SECTION 4. FIRST AID MEASURES

INHALATION: If someone has difficulty breathing after exposure to product, remove him or her to fresh air immediately. If breathing difficulty persists, contact a doctor.

INGESTION: If swallowed, do not induce vomiting. Get medical attention right away.

EYE CONTACT: For eye contact, flush with water for at least 15 minutes.

SKIN CONTACT: For skin contact, wash with soap and water.

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#### **SECTION 5. FIRE FIGHTING MEASURES**

CONDITIONS OF FLAMMABILITY: Not flammable under normal conditions. Product is water based.

MEANS OF EXTINCTION: N/Av

SPECIAL FIRE FIGHTING PROCEDURES: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/Av

FLASH POINT / DETERMINATION: None.

UPPER FLAMMABLE LIMIT: None.

LOWER FLAMMABLE LIMIT: None.

AUTO-IGNITION TEMPERATURE: Not known.

HAZARDOUS COMBUSTION PRODUCTS: If water component is driven off, and residue ignited, this product may release carbon dioxide, carbon monoxide, and oxides of nitrogen and sulphur.

EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT: Not sensitive.

EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE: Will not be ignited by exposure to static.

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#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

LEAK / SPILL RESPONSE: Ensure that all spilled material is promptly cleaned up. Absorb with inert material such as vermiculite or paper towels, place in a chemical waste container for eventual disposal. Seal and label the container as waste. Dispose of in accordance with all federal, state, provincial and local regulations.

SPECIAL INSTRUCTIONS: Avoid contact with eyes, or prolonged contact with skin. Wash thoroughly after handling. Keep away from food, and out of reach of small children.

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#### **SECTION 7. HANDLING AND STORAGE**

HANDLING PROCEDURES / EQUIPMENT: Keep containers closed when not in use.

STORAGE REQUIREMENTS: Store in a cool, dry area away from water-reactive chemicals such as sodium and potassium.

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#### **SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

EYE PROTECTION: Safety glasses with side shields, or chemical splash goggles, are recommended when handling this product.

SKIN PROTECTION: Protective gloves not normally required. People with sensitive skin may prefer to wear water-proof gloves, such as rubber or neoprene, to avoid skin contact.

ENGINEERING CONTROLS: No special ventilation requirements. Special respiratory protection is not required for normal conditions of use of this product.

EXPOSURE GUIDELINE LEVELS: N/Ap.

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#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid

ODOR AND APPEARANCE: No odor, clear liquid

ODOR THRESHOLD: N/Ap

SPECIFIC GRAVITY (H<sub>2</sub>O=1): ~1.0

VAPOR PRESSURE (mm HG): Approximately that of water (24 mm Hg)

VAPOR DENSITY (AIR=1): 0.610

EVAPORATION RATE (BA=1): 1.0

BOILING POINT (°F): Approximately 200°F (93°C)

FREEZING POINT (°F): Approximately 27°F (-3°C)

pH: 7.0  
COEFFICIENT OF WATER/OIL DISTRIBUTION: N/Av  
DENSITY: .998  
SOLUBILITY IN WATER: Soluble  
% VOLATILE BY VOLUME: N/Av  
VOC'S: Less than 1

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#### **SECTION 10. STABILITY AND REACTIVITY**

STABILITY: Normally stable.  
CONDITIONS TO AVOID: Excessive heating.  
MATERIALS TO AVOID (INCOMPATIBILITIES): Water-reactive chemicals such as sodium or potassium.  
CONDITIONS OF REACTIVITY: N/Av  
HAZARDOUS DECOMPOSITION BYPRODUCTS: If heated until water is drive off and decomposition begins, this product may release carbon dioxide, carbon monoxide, and oxides of nitrogen and sulfur.  
HAZARDOUS POLYMERIZATION: Will not occur.

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#### **SECTION 11. TOXICOLOGICAL INFORMATION**

LD50: N/Av  
LC50: N/Av  
ROUTES OF ENTRY: INHALATION[N] EYE CONTACT[Y] SKIN CONTACT[N] SKIN ABSORPTION[N] INGESTION[N]  
EXPOSURE LIMITS: N/Av  
IRRITANCY OF PRODUCT: Not known to be irritating.  
SENSITIZATION TO PRODUCT / MEDICAL CONDITIONS AGGRAVATED: Not known to cause allergies.  
CARCINOGENICITY: No ingredients known to be carcinogens.  
TERATOGENICITY / MUTAGENICITY / REPRODUCTIVE TOXICITY: No effects determined.  
TOXICOLOGICAL DATA: N/Av

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#### **SECTION 12. ECOLOGICAL INFORMATION**

ENVIRONMENTAL EFFECTS: Not known. Not expected to have serious environmental effects in small quantities.  
IMPORTANT ENVIRONMENTAL CHARACTERISTICS: None known. Product is water-based.  
AQUATIC TOXICITY: Not known. Expected to have minimal toxicity.

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#### **SECTION 13. DISPOSAL CONSIDERATIONS**

Place in a sealed container and label as waste. Place in a safe area, and comply with all federal, state, provincial and local regulations for disposal.

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#### **SECTION 14. TRANSPORTATION INFORMATION**

SPECIAL SHIPPING INFORMATION: None.  
DOT HM-181 SHIPPING INFORMATION:  
    PROPER SHIPPING NAME: Not regulated  
    HAZARD CLASS OR DIVISION: None.  
    UN NUMBER: None.  
    PACKAGING GROUP: None.  
    LABEL(S) REQUIRED: None.  
TDG SHIPPING INFORMATION  
TDG SHIPPING NAME : Not regulated.  
TDG CLASSIFICATION: None.

UN NUMBER: None.  
PACKING GROUP: None.  
LABEL(S) REQUIRED: None.  
NAERG: None.  
EMERGENCY TELEPHONE NUMBER: CHEMTREC 800-424-9300

**INTERNATIONAL TRANSPORT INFORMATION:**

PROPER SHIPPING NAME : Not regulated.  
CLASS OR DIVISION: None.  
SUBSIDIARY RISK: None.  
HAZARDOUS LABEL(S): None.  
PACKAGING GROUP: None.  
UN OR ID NUMBER: None.

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**SECTION 15. REGULATORY INFORMATION**

TOXIC SUBSTANCES CONTROL ACT (TSCA): The product on this MSDS, or all of its components, is listed under TSCA.

SARA TITLE III, SECTION 313: The following ingredients are subject to the reporting requirements of section 313 of Title III of the Superfund and Reauthorization Act of 1986 and 40 CFR Part 372: None.

CLEAN AIR ACT (CAA): The following ingredients appear on the List of Hazardous Air Pollutants (HAP – 42 USC 7412, Title I, Part A, p112): None.

CLEAN WATER ACT (CWA): The following ingredients appear on the CWA List of Hazardous Substances (40 CFR 116.4): None.

CALIFORNIA PROPOSITION 65: The following ingredients appear on the Proposition 65 list(s): None.

CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS): This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

DOMESTIC SUBSTANCES LIST (DSL): The product on this MSDS, or all of its components, is included in the DSL.

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**SECTION 16. OTHER INFORMATION**

N/E: Not Established.

N/Av: Not Available.

N/Ap: Not Applicable.

IARC: International Agency for Research on Cancer.

ACGIH: American Conference of Governmental Industrial Hygienists.

NIOSH: National Institute for Occupational Health and Safety TLV-TWA Threshold Limit Values, Time Weighted Average.

NAERG: North American Emergency Response Guidebook.

WHMIS: Workplace Hazardous Materials Information System.

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