

# MATERIAL SAFETY DATA SHEET

Essentially similar to OSHA form 174, Sept. 1985

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**SECTION I PRODUCT IDENTITY: ROOF GUARD #2050**

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NAME: HY-TECH THERMAL SOLUTIONS,LLC  
STREET ADDRESS: 165 PARKHILL BLVD.  
CITY, STATE AND ZIP CODE:  
W. MELBOURNE, FL 32904  
PH: (321) 984-9777

DATE OF PREPARATION: June 1999  
INFORMATION TELEPHONE NO.: (321) 984-9777  
EMERGENCY TELEPHONE 800-424-9300 (CHEMTREC)  
Effective Date: 20 August 2002  
NAME OF PREPARER : Safety & compliance Officer

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**SECTION II - Hazardous Ingredients/Identity Information**

HAZARDOUS COMPONENT	CAS. NO.	OSHA PEL OR ACGIH TLV	WEIGHT %
* Propylene Glycol	7732-18-5	none	6% Max
*Ammonia	7764-41-7	35	.01% Max
*Butyl Benzyl Phthalate	85-68-7	50 PPM	1-3%

\* Indicates toxic chemical (s) subject to the reporting requirements of section 313 of Title III and or 40 CFR 372

NOTE: Product contains no mercury or lead. This product contains ingredients considered to be trade secrets by Hy-Tech Thermal Solutions, LLC. This MSDS does, however disclose all necessary information needed to handle and use the product safely.

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**SECTION III - Physical/Chemical Characteristics**

Boiling Points of Major Constituent: (Water)	varies	Specific Gravity (H20=1) WG/GAL	> 1
Vapor Pressure (mm Hg) @ 20° C/68°F water	17	Melting Point Water (Ice) Above	32 F
Vapor Density (AIR=1)	>1	Evaporation Rate (Butyl Acetate=1)	<1
Solubility in Water	Total	Appearance	White Viscous liquid

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

Flash Point: Non-Combustible	Flammable Limits: N/A	DOT Hazard Class: Not Regulated	Marking: "Keep from Freezing"
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**SPECIAL FIREFIGHTING PROCEDURES** None

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**SECTION V - REACTIVITY DATA**

HAZARDOUS POLYMERIZATION: Will not occur STABILITY: Stable

INCOMPATIBILITY: Avoid Contact with: Strong oxidizing agents (e.g., nitric acid, permanganates), etc.

HAZARDOUS DECOMPOSITION PRODUCTS: Some carbon monoxide

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**SECTION VI - HEALTH HAZARD DATA, TOXICITY DATA:**

Route (s) of Entry: N/A Carcinogenicity None

Health Hazards (Acute and Chronic)

EFFECTS OF OVEREXPOSURE: Inhalation, Vapors or spray mists may be slightly irritating to eye, nose, throat,

producing symptoms of headache, nausea in poorly ventilated areas. Skin Contact: Prolonged or repeated contact with coating may cause slight skin irritation. Eye Contact: Direct contact: inconsequential eye irritation.  
EMERGENCY AND FIRST AID PROCEDURES: Eye and skin Contact; Immediately flush eye with plenty of water for at least 15 minutes and consult physician; wash skin thoroughly with soap and water; if drenched, remove and wash clothing before reuse. Ingestion: If victim is conscious, give large amounts of water. Call a physician.

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## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Dike and contain material with inert material (e.g. sand, earth). Transfer to containers for recovery or disposal. Keep spills and cleaning run-offs out of municipal sewers and open bodies of water.

**WASTE DISPOSAL METHOD:** The coating and any contaminated diking material should be collected into drums. The drums should then be sealed and properly labeled with waste designation and landfill or incinerated according to current local, state and federal regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Maximum storage temperature 100 degrees Fahrenheit. Keep closure tight and container upright to prevent leakage. Precautionary Labeling: "Keep from Freezing".

**OTHER PRECAUTIONS:** Avoid prolonged or repeated breathing of vapor or spray mists. Avoid breathing sanding dust.

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## SECTION VIII - CONTROL MEASURES

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**RESPIRATORY PROTECTION:** None required if good ventilation is maintained. Use approved chemical/mechanical filters designed to remove particulates.

**VENTILATION:** Sufficient ventilation, in pattern and volume, should be provided to keep the air contaminant concentration below applicable exposure limits.

**PROTECTIVE GLOVES:** Impervious gloves should be worn if prolonged skin contact is likely.

**EYE PROTECTION:** Use safety eyewear including side shields, face shields, or chemical splash goggles.

**OTHER PROTECTIVE EQUIPMENT:** None Required.

**HYGIENIC PRACTICES:** Wash hands before eating, smoking or using the restroom. Food or beverages should not be consumed anywhere this product is being applied.

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## SECTION IX - DISCLAIMER

All information, recommendations and suggestions concerning this product are based upon tests and data believed to be reliable, Hy-Tech Thermal Solutions,LLC makes no guarantee, expressed or implied, as to the effect of use, or the safety and toxicity of the product. The information contained in this sheet is not to be construed as absolutely complete.