

# MATERIAL SAFETY DATA SHEET

NUMBER

(AUTHORIZED BY THE ADHESIVES AND SEALANTS MANUFACTURERS ASSOCIATION OF CANADA)

## SECTION 1 IDENTIFICATION OF PRODUCT

MANUFACTURER'S NAME Emhart Canada Ltd, Home Products Division		EMERGENCY TELEPHONE NO. (514) 255-3631
ADDRESS 1500 de Boucherville St., Montreal, Quebec H1N 3S6		
TRADE NAME AND SYNONYMS Thermogrip all purpose hot melt adhesive GS-11, GS-12, GS-13		
CHEMICAL NAME AND SYNONYMS Ethylene vinyl acetate hot melt glue		
CHEMICAL FAMILY Ethylene vinyl acetate	MOLECULAR FORMULA	

## SECTION II HAZARDOUS COMPONENTS OF MIXTURES

COMPONENT	%	THRESHOLD LIMIT VALUE (UNITS)	COMPONENT	%	THRESHOLD LIMIT VALUE (UNITS)
None					

## SECTION III PHYSICAL DATA

APPEARANCE AND ODOR Off white colored cylindrical stick odorless	
BOILING POINT NA Softening range	167-196°F 75- 92°C
SPECIFIC GRAVITY (WATER = 1)	.972 g/cc (25°C)
VAPOR PRESSURE (M.M. OF MERCURY) NA	PERCENT VOLATILE (BY VOLUME) NA
VAPOR DENSITY (AIR = 1) NA	EVAPORATION RATE (BUTYL ACETATE = 1) NA
SOLUBILITY IN WATER Insoluble	EVAPORATION RATE (ETHYL ETHER = 1) NA

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (SPECIFY METHOD) NA	FLAMMABLE LIMITS (PERCENT BY VOLUME)	LOWER NA	UPPER NA
FIRE-EXTINGUISHING MEDIA Water CO <sub>2</sub> , dry chemical or carbon tetrachloride.			
SPECIAL FIRE-FIGHTING PROCEDURES Wear adequate respiratory protection. Avoid contact with molten adhesive. Cool product below solidification point.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Thermal degradation produces flammable hydrocarbon vapors. Molten product causes personnel burns, adheres to skin, slight fire hazard when exposed to flame.			

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**SECTION V HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE

NA

EFFECTS OF OVEREXPOSURE

Non-chemical burn from contact with molten adhesive. Product is non-toxic, non-corrosive.

EMERGENCY AND FIRST AID PROCEDURES

For non-chemical burn, immerse immediately in cold water to solidify the hot melt. Do not try to remove from skin while molten.

**SECTION VI REACTIVITY DATA**

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid)

Strong oxidizing atmosphere above molten polymer.

HAZARDOUS DECOMPOSITION PRODUCTS

On thermal decomposition oxides of carbon are released.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

**SECTION VII SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

If molten, allow to solidify and scrape up. If clean, can be reused.

WASTE DISPOSAL METHOD

Follow local municipal regulations

**SECTION VIII SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (Specify type)

In emergencies - approved organic canister mask or air pack

VENTILATION	LOCAL EXHAUST		SPECIAL
	MECHANICAL (General)	X	OTHER

PROTECTIVE GLOVES	RECOMMENDED (heat resistant)	EYE PROTECTION	Safety glasses
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OTHER PROTECTIVE EQUIPMENT  
Hand sink or cold water source.

**SECTION IX SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in clean dry area at temperatures of 60 - 110°F (16-43°C)

OTHER PRECAUTIONS

**SECTION X DATE AND SOURCE OF INFORMATION**

DATE	NAME AND TITLE	SHEET NUMBER
May 6, 1988	N. Irving Sax.	"Dangerous Properties of Ind. Materials, 6th edition"