



**ROBSON THERMAL MFG. LTD.**  
**MATERIAL SAFETY DATA SHEET (MSDS)**

**SECTION 1 - PRODUCT IDENTIFICATION AND USE**

PRODUCT IDENTIFIER: <b>Robson's PVC Glue</b>	PRODUCT VOC's: 410 g/l
PRODUCT USE: Adhesive for PVC Plastic Jacketing	
MANUFACTURER: Robson Thermal Mfg. Ltd. 15048 Victoria Avenue, White Rock, BC, Canada V4B 1G3	EMERGENCY PHONE NUMBER: 1 613 996 6666

**SECTION 2 - HAZARDOUS INGREDIENTS**

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50/SPECIES/ROUTE	LC50/SPECIES
Tetrahydrofuran	40 to 70	109-99-9	200 ppm	Oral LDLo rat, 3000 mg/kg LCLo rat, 28,000 mg/m <sup>3</sup> 2 hr.
Methyl Ethyl Ketone	30 to 60	78-93-3	200 ppm	Oral LD50 rat, 3400 mg/kg LCLo rat, 2000 ppm/4 hr.
Cyclohexanone	7 to 13	108-94-1	25 ppm	Oral LD50 rat, 1620 mg/kg LCLo rat, 2000 ppm/4 hr.

**SECTION 3 - PHYSICAL DATA**

PHYSICAL STATE: Liquid	ODOR AND APPEARANCE: Strong Solvent Odour, Clear		ODOR THRESHOLD (PPM): Not Available	
VAPOR PRESSURE(mmHg): Not Available	VAPOR DENSITY (AIR=1): Not Available	EVAPORATION RATE: Greater than butyl acetate	BOILING POINT (°C): 66°C	FREEZING POINT (°C): < 0°C
pH: Not Available	SPECIFIC GRAVITY: 0.91 g/ml		COEFF. WATER/OIL DIST.: Not Available	

**SECTION 4 - FIRE AND EXPLOSION DATA**

FLAMMABLE: <b>Yes</b>	IF YES, UNDER WHAT CONDITIONS: Liquid and solvent fumes are highly flammable and potentially explosive if exposed to ignition sources such as sparks, flames, or hot surfaces, or extreme heat.			
MEANS OF EXTINCTION: Foam, CO <sub>2</sub> , Dry Chemical		FLASHPOINT (°C) AND METHOD: < - 14 Tag Cup		
UPPER FLAMMABILITY LIMIT (% BY VOLUME): 12	LOWER FLAMMABILITY LIMIT(% BY VOLUME): 1		AUTOIGNITION TEMPERATURE (°C): Not Available	
HAZARDOUS COMBUSTION PRODUCTS: carbon monoxide, carbon dioxide, hydrogen chloride		SENSITIVITY TO IMPACT: Not Available		SENSITIVITY TO STATIC DISCHARGE: Yes

**SECTION 5 - REACTIVITY DATA**

CHEMICALLY STABLE: Yes	IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBLE WITH OTHER SUBSTANCES: Yes	IF YES, WHICH SUBSTANCES: Strong oxidizing agents, strong acids and bases, some amines			
REACTIVITY AND UNDER WHAT CONDITIONS: None known		HAZARDOUS DECOMPOSITION PRODUCTS: None known		

**SECTION 6 - TOXICOLOGICAL PROPERTIES**

ROUTE OF ENTRY: SKIN CONTACT: <b>No</b>	EYE CONTACT: <b>Yes</b>	INHALATION: <b>Yes</b>	INGESTION: <b>Yes</b>
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Eye irritation, skin irritation, headache, dizziness, unconsciousness, and nausea are possible with acute exposure.			
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Studies have shown chronic exposure to the solvents in this product may cause respiratory tract irritation, changes in liver function, changes in blood chemistry.			
IRRITANCY OF PRODUCT: <b>Moderate</b>		SENSITIZATION TO PRODUCT: <b>Moderate</b>	
CARCINOGENICITY: <b>None known</b>		TERATOGENICITY: <b>None known</b>	
EXPOSURE LIMITS: TLV = 50 ppm		MUTAGENICITY: <b>None known</b>	
REPRODUCTIVE TOXICITY: <b>None known</b>		SYNERGISTIC PRODUCTS: <b>None known</b>	

PRODUCT IDENTIFIER: **Robson's PVC Glue**

### SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: As required for safe handling and use of flammable solvent based liquids. Avoid inhaling solvent fumes from this product and from other solvent based products.

GLOVES: Wear impermeable gloves if sensitive skin.

RESPIRATOR: Use an Organic NIOSH/MSHA approved filter when TLV or PEL might be exceeded.

EYES: Wear chemical eye protection

FOOTWEAR: Safe work boots as required by work site regulations.

CLOTHING: As required by work site regulations.

OTHER: Head protection as required by work site regulations.

ENGINEERING CONTROLS (SPECIFY VENTILATION, ENCLOSED PROCESS, ETC):

Ventilate work area with large amounts of fresh air. Use mechanical ventilation or cross ventilation sufficient to prevent build up of solvent fumes, and sufficient to prevent ignition of solvent fumes. Solvent vapours can gather and/or travel long distances and create a fire or explosion hazard. Do not pull solvent fumes thru non-explosion proof fans. Do not use non-explosion proof electric tools when using this glue.

LEAK AND SPILL PROCEDURE: Ventilate area with large amounts of fresh air. Collect or soak up and put into sealed containers. Prevent entry into drains and open water. Prevent exposure of liquid or fumes to ignition sources. Do not pull solvent fumes thru non-explosion proof fans. Do not use non-explosion proof electric tools in spill area.

WASTE DISPOSAL: Dispose as per regulations. Handle empty containers as if they contain flammable and explosive residues and solvent fumes.

HANDLING PROCEDURE AND EQUIPMENT: Clean up with strong solvents in a well ventilated area free of potential ignition sources. Ground and bond equipment and container to prevent static charge buildup. Avoid inhaling solvent fumes from this product and from other solvent based products.

STORAGE REQUIREMENTS: Keep containers sealed air tight. Store full and empty containers out of direct sunlight and away from heat sources, flames, sparks, and sources of ignition. Store between 40°F to 100°F (5°C to 38°C).

SPECIAL SHIPPING INFORMATION: WHMIS Class B, D-2. TDG/HM UN-1133, PG - II, Class 3.2. Limited Quantity. Consumer Commodity. Do not ship in heated vehicle.

### SECTION 8 - FIRST AID MEASURES

SPECIFIC MEASURES:

Eyes: Flush immediately with large amounts of clean water for at least 15 minutes while lifting eyelids. Get immediate medical attention.

Skin: Wash with soap and water.

Ingestion: Do not induce vomiting. If victim is conscious immediately give 2 glasses of water or activated charcoal slurry. Get immediate medical attention.

Inhalation: If dizziness, headache, lightheadedness, breathing problems, or nausea develop, immediately remove victim to fresh air. If breathing problems continue, give oxygen until medical attention arrives. Get immediate medical attention.

### SECTION 9 - PREPARATION DATE OF MSDS

PREPARED BY: Administration

PHONE NUMBER: 604 538 6681

DATE: January 1, 2017

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