

**MATERIAL SAFETY DATA SHEET****P977 - BLANKET & ROLLER WASH****SECTION I : PRODUCT INFORMATION**

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## MANUFACTURED FOR:

**IMAGE GROUP**

2284 SPEERS ROAD  
OAKVILLE, ONTARIO L6L 2X8  
905) 825-5600

## PRODUCT NAME:

P977 BLANKET &amp; ROLLER WASH

## HAZARD RATING:

HEALTH 2  
REACTIVITY 1

## TRANSPORTATION INFORMATION:

FLAMMABLE LIQUIDS N.O.S. \*(TOLUENE)  
UN1993 CLASS 3, 9.2 PACKING GROUP II

## MATERIAL USE:

INDUSTRIAL SOLVENT

FLAMMABILITY 3

PERSONAL PROTECTION B

## WHMIS CLASSIFICATION:

B2-FLAMMABLE LIQUID  
D2B-TOXIC (EYE AND SKIN IRRITANT)

**SECTION II: HAZARDOUS INGREDIENTS**

HAZARDOUS INGREDIENT	%	CAS #	TWAEV (ppm)	LD50 ORAL	(mg/kg) SKIN	LC50 INHALATION
ISOPROPYL ALCOHOL	20-30	67-63-0	400	3600*	12900	17000
TOLUENE	40-60	108-88-3	100	650*	12000*	400*
LIGHT ALIPHATIC NAPHTHA	10-20	64742-48-8	332	5000	3000	NOT KNOWN

\*NOTE: LD50, LC50 vary markedly between species. Lowest value shown above.

**SECTION III : PHYSICAL DATA**

ODOUR & APPEARANCE	CLEAR, COLOURLESS, LIQUID WITH SHARP ALCOHOLIC ODOUR
ODOUR THRESHOLD	BELOW 40ppm
VAPOUR PRESSURE	BELOW 43mmHg / 5.7 kPa (20°C)
VAPOUR DENSITY (AIR=1)	ABOVE 2.1
BOILING RANGE	82°C - 119°C
FREEZING POINT	BELOW -90°C
SPECIFIC GRAVITY	0.83 (20°C)
WATER SOLUBILITY	APPROX. 35% (20°C)

**SECTION IV : FLAMMABILITY & REACTIVITY**

FLASH POINT	ABOVE -4°C
AUTOIGNITION TEMPERATURE	ABOVE 250°C
FLAMMABLE LIMITS	NOT KNOWN
HAZARDOUS COMBUSTION PRODUCTS	CARBON MONOXIDE, NITROGEN OXIDES, SMOKE, PART OXIDIZED HYDROCARBON FRAGMENTS
FIREFIGHTING PRECAUTIONS	FOAM, DRY CHEMICAL, WATER FOG, WATER SPRAY ONLY TO COOL, PRODUCT FLOATS ON WATER AND WILL NOT COOL BELOW FLASHPOINT! - FIREFIGHTERS MUST WEAR "SCBA"
SENSITIVITY TO STATIC DISCHARGE	PROBABLY WILL NOT ACCUMULATE A STATIC CHARGE ON AGITATION
SENSITIVITY TO MECHANICAL IMPACT	NOT SENSITIVE
CHEMICAL STABILITY	STABLE, WILL NOT POLYMERIZE
REACTIVE WITH	STRONG OXIDISING AGENTS
DANGEROUS DECOMPOSITION PRODUCTS	NONE APART FROM "HAZARDOUS COMBUSTION PRODUCTS"

**SECTION V : TOXICOLOGY****EFFECTS OF ACUTE EXPOSURE**

SKIN CONTACT	AGGRESSIVELY DRYING, IRRITATING
SKIN ABSORPTION	SLIGHT, TOXIC EFFECTS NOT ANTICIPATED BY THIS ROUTE
EYE CONTACT	SEVERELY IRRITATING, MAY DAMAGE EYES PERMANENTLY
INHALATION	IRRITATING ABOVE 100 ppm, HEADACHE & DROWSINESS ABOVE 50 ppm, INTOXICATION, DIZZINESS ABOVE 200 ppm
INGESTION	HEADACHE, DIZZINESS, DROWSINESS, INTOXICATION

**EFFECTS OF CHRONIC EXPOSURE**

GENERAL	PROLONGED EXPOSURE MAY CAUSE SKIN CRACKING AND DERMATITIS, REPEATED EXPOSURE OF 200 ppm MAY DAMAGE LIVER AND KIDNEYS
SENSITISING	NO

**SECTION V : TOXICOLOGY** (continued)

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CARCINOGENIC	ONE COMPONENT IS AN EXPERIMENTAL TUMORIGEN IN RODENTS AT OVER 200 ppm, NO EVIDENCE OF EFFECT KNOWN IN HUMANS
REPRODUCTIVE EFFECT	ONE COMPONENT IS AN EXPERIMENTAL REPRODUCTIVE TOXIN IN RODENTS AT OVER 200 ppm, AND AT ORAL DOSES ABOVE THE LD50, NO EVIDENCE OF EFFECT IN HUMANS
SYNERGISTIC WITH ESTIMATED LD50	EXISTING DERMATITIS, EXISTING LIVER DAMAGE
ESTIMATED LC50	975 mg/kg ORAL - 9400 mg/kg SKIN 600 ppm INHALATION

NOTE: LD50 & LC50 for toluene vary substantially between species. The values calculated above are suspicious in view of the existence of far higher (less toxic) values for toluene from other studies and of the known toxicity of Xylene, a chemically similar substance. Blend toxicity is consequently probably lower than these numbers suggest.

**SECTION VI : PROTECTIVE EQUIPMENT**

HANDS	"VITON" GLOVE PREFERRED - ALSO "BARRICADE", "TRELLECHEM" AND "RESPONDER" - check with supplier
EYES	SAFETY GLASSES WITH SIDE SHIELDS OR CHEMICAL GOGGLES
RESPIRATOR	NOT REQUIRED IF VENTILATION IS ADEQUATE (SEE TWAEV, (2) ABOVE), OR USE ORGANIC VAPOUR CARTRIDGE
CLOTHING	IMPERVIOUS (HANDS, ABOVE) APRON, BOOTS, LONG SLEEVES, IF SPLASHING IS ANTICIPATED

**SECTION VII : ENVIRONMENT**

LEAK PRECAUTION	DYKE TO CONTROL SPILLAGE AND PREVENT ENVIRONMENTAL CONTAMINATION
HANDLING SPILL	<< <b>FIRE POTENTIAL. Blanket spill with foam as a precaution against accidental ignition</b> >> VENTILATE CONTAMINATED AREA, RECOVER FREE LIQUID WITH EXPLOSION-PROOF PUMPS, ABSORB RESIDUE ON AN INERT SORBENT, PICK UP WITH NON-SPARKING PLASTIC OR ALUMINIUM SHOVEL AND STORE IN CLOSED CONTAINERS FOR DISPOSAL. DON'T OPERATE (TURN ON OR OFF) ANY NON-EXPLOSION-PROOF ELECTRICAL APPLIANCES NEAR SPILL
WASTE DISPOSAL	DO NOT FLUSH TO SEWER, MAY BE INCINERATED IN APPROVED FACILITY

**SECTION VIII : STORAGE & HANDLING**

STORE AND USE IN A COOL DRY ENVIRONMENT, AWAY FROM SOURCES OF IGNITION, HEAT AND OXIDISING AGENTS. USE WITH ADEQUATE VENTILATION. THIS PRODUCT IS READILY FLAMMABLE. WHEN TRANSFERRING OVER 5 LITRES, FIRST GROUND THE CONTAINER TO AVOID ALL POSSIBILITY OF STATIC DISCHARGE. DO NOT CUT, DRILL, WELD OR GRIND ON OR NEAR THIS CONTAINER. AVOID CONTACT WITH SKIN AND WASH WORK CLOTHES FREQUENTLY. AN EYE BATH AND SAFETY SHOWER SHOULD BE AVAILABLE NEAR THE WORKPLACE.

**SECTION IX : FIRST AID**

SKIN	WASH WITH SOAP AND PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING AND DO NOT REUSE UNTIL THOROUGHLY CLEANED OR LAUNDERED.
EYES	WASH EYES WITH PLENTY OF WATER, HOLDING EYELIDS OPEN. SEEK MEDICAL ASSISTANCE PROMPTLY IF THERE IS ANY IRRITATION
INHALATION	REMOVE FROM CONTAMINATED AREA PROMPTLY. CAUTION: RESCUER MUST NOT ENDANGER HIMSELF! IF BREATHING STOPS, ADMINISTER ARTIFICIAL RESPIRATION AND SEEK MEDICAL AID PROMPTLY.
INGESTION	GIVE MILK TO DILUTE PRODUCT AND TO SLOW ABSORPTION. DO NOT INDUCE VOMITING (SEE NOTE BELOW). KEEP VICTIM QUIET. IF VOMITING OCCURS, KEEP VICTIMS HEAD BELOW THE HIPS TO PREVENT INHALATION OF VOMITED MATERIAL. SEEK MEDICAL HELP PROMPTLY.

NOTE: Inadvertent inhalation of vomited material may seriously damage the lungs. The risk and danger of this is greater than the risk of poisoning through absorption of this product. The stomach should be emptied under medical supervision, after the installation of an airway to protect the lungs.

**SECTION X : ADDITIONAL INFORMATION**

THE INFORMATION CONTAINED IN THIS FORM IS BASED ON DATA FROM SOURCES CONSIDERED TO BE RELIABLE, HOWEVER IMAGE GROUP DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS THEREOF. THE INFORMATION IS PROVIDED AS A SERVICE TO PERSONS PURCHASING OR USING THE MATERIAL TO WHICH IT REFERS AND IMAGE GROUP EXPRESSLY DISCLAIMS ALL LIABILITY FOR LOSS OR DAMAGE, INCLUDING CONSEQUENTIAL LOSS, OR FOR INJURY TO PERSONS (INCLUDING DEATH) ARISING DIRECTLY OR INDIRECTLY FROM RELIANCE UPON THE INFORMATION OR USE OF THIS MATERIAL.

**POISON CONTROL CENTRE** 800-268-9017  
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