

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Roberts 1902 Cleaner and Thinner

W.H.M.I.S. CLASSIFICATION: B2, D2B, D2B

PRODUCT USES: For cleaning tools & spills of adhesive. Compatible thinner for 1010 Contact Cement

HMIS Rating: H = 2, F = 3, R = 0

SECTION I - MANUFACTURER IDENTIFICATION

Roberts MSDS Code # 1902C

MANUFACTURER'S NAME: ROBERTS CONSOLIDATED INDUSTRIES, INC.

ADDRESS: 300 Cross Plains Blvd. Dalton, GA 30720

24 HOUR (CANUTEC) PHONE: (613) 996-6666

DATE REVISED: December 01/06

NAME OF PREPARER: Marty King

INFORMATION PHONE: (706) 277-5294

SOURCES USED: Raw material supplier M.S.D.S.

SECTION II - HAZARDOUS INGREDIENTS INFORMATION

COMPONENT	APPROX. %	UN#	CAS#	PEL	TLV	LD50	LC50
ALIPHATIC PETROLEUM DISTILLATES (A.P.D.)	60		64742-89-2	400 ppm	200 ppm	>3400 ppmv / 4 hr, inhalation rat	>2000 mg / kg, oral rat, dermal rat
TOLUENE	20	1294	108-88-3	50 ppm	50 ppm	>6g/KG-SKIN, RABBIT	8,800 ppm - 4 hr., rat
METHYL ETHYL KETONE	20	1193	78-93-3	200 ppm	200 ppm	> 4g/KG-ORAL, RABBIT	

Reportable Hazardous Ingredients for SARA TITLE III: Section 311, 312, 313: Toluene, Methyl Ethyl Ketone. Section: 311, 312: Aliphatic Petroleum Distillates

SECTION III - PHYSICAL DATA

BOILING POINT: 77.7°C

FREEZING POINT: N/A

VAPOUR DENSITY (AIR=1): Greater than 1

SPECIFIC GRAVITY (H2O=1): 0.76

EVAPORATION RATE (n-BUTYL ACETATE=1): 2.0 to 8.1

VAPOUR PRESSURE (mmHg @ 20°C): 140

EVAPORATION RATE (ETHYL ACETATE=1): N/A

SOLUBILITY IN WATER: Negligible

PERCENT VOLATILE: 100 % by volume

APPEARANCE AND ODOUR: Clear liquid with solvent odour

ODOUR THRESHOLD (PPM): See Section II

SECTION IV - FIRE AND EXPLOSION DATA

FLASHPOINT (specify method): -14°C.

METHOD USED: Pensky-Martens C.C.

IMPACT SENSITIVITY: Insensitive

FLAMMABLE LIMITS (% BY VOLUME): 1.5%

LOWER: 7.8% **UPPER:** N/A

SENSITIVITY TO STATIC DISCHARGE: Vapours sensitive.

FIRE EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical

AUTO IGNITION TEMP: 232°C

TDG FLAMMABILITY CLASSIFICATION: Flammable Liquid N.O.S. (Petroleum Distillates) 3, U.N. 1268, P.G. II

SPECIAL FIRE-FIGHTING PROCEDURES: Wear self-contained breathing apparatus. Water spray is recommended to cool or protect exposed materials or structures. Water may be ineffective for extinguishment, unless used under favorable conditions by experienced fire fighters.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This material is extremely flammable and can be ignited by heat, sparks, flames or other sources of ignition. Vapors may travel considerable distances to a source of ignition where they can ignite, flashback or explode. If container is not properly cooled, it can explode in the heat of a fire. Vapors are heavier than air and can accumulate in low areas.

SECTION V - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Open flame and sources of high heat.

INCOMPATIBILITY (Materials to avoid): Oxidizing materials

CORROSIVE TO METAL: No. **OXIDISER:** No.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon (CO, CO2), water and hydrocarbons of unknown structure.

CONDITIONS TO AVOID: Extreme heat, sparks and open flame.

HAZARDOUS POLYMERIZATION: Does not occur

SECTION VI - TOXICOLOGICAL PROPERTIES

ENTRY ROUTE TABLE

SKIN CONTACT	X	SKIN ABSORPTION	EYE CONTACT	X	INHALATION ACUTE	X	INHALATION CHRONIC	X	INGESTION	X
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SYMPTOMS OF OVEREXPOSURE: **Inhalation:** May cause irritation to upper respiratory tract. **Eyes:** May cause irritation. **Skin:** May cause mild irritation. **Ingestion:** Not a likely route of entry under proper handling conditions. Symptoms may be the same as inhalation. **SUSPECTED CANCER AGENT:** No.

EFFECTS OF ACUTE EXPOSURE TO MATERIAL: May cause mild skin irritation, irritation of respiratory tract.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: None known.

LD50 (SPECIFY SPECIES & ROUTE):	LC50 (SPECIFY SPECIES):	EXPOSURE LIMIT: (TLV, PPM)	IRRITANCY:
Not available	Not available	A.P.D., 200 TWA TOLUENE, 50 PPM TWA M.E.K., 200 PPM TWA	High concentration of vapours irritates nose, throat, eyes, skin. Liquid is eye, skin irritant.
SENSITIZING CAPACITY:	CARCINOGENICITY:	REPRODUCTIVITY EFFECTS:	SYNERGISTIC MATERIALS:
Not available.	None	May result only from chronic and extreme overexposure and is unlikely.	N/A

SECTION VII - PREVENTATIVE MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): Use product in a well-ventilated area. If vapors or mists are generated, wear NIOSH/MSHA approved organic vapor/mist respirator or use a NIOSH approved air supplied respirator in the absence of proper environmental control.

VENTILATION: Use local exhaust. Do not use closed air circulating system. Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV (s).

Explosion proof ventilation system is acceptable.

PROTECTIVE GLOVES: Chemical resistant gloves should be worn.

EYE PROTECTION: Chemical goggles or face shield should be worn.

OTHER PROTECTIVE EQUIPMENT: If clothing becomes contaminated, remove and clean before re-wearing. Work Practices, Hygienic Practices: Follow all label instructions. Protective Measures During Maintenance of Contaminated Equipment: Use goggles and gloves when cleaning adhesive from equipment. Maintain proper ventilation.

SPILL PROCEDURES: Eliminate all sources of ignition and soak up material with absorbent material (sand, sawdust) and place into closed containers for disposal. Promptly report significant spills to appropriate authorities. Consult local regulations.

WASTE DISPOSAL METHOD: Dispose of at an approved facility. Keep material away from sewers, waterways or low areas. Consult local regulations.

STORAGE & HANDLING PRECAUTIONS: Protect against physical damage. Store in a cool, dry place (10°C - 32°C). Keep away from excessive heat. Protect from freezing.

OTHER PRECAUTIONS: Keep containers closed when not in use. Empty containers may be hazardous due to residual material. Keep out of reach of children.

SECTION VIII - FIRST AID MEASURES

INHALATION: Ensure your own safety first. Remove victim to fresh air. If necessary, trained personnel should administer artificial respiration. Obtain medical attention immediately.

EYES: Flush with water for 15 minutes holding eyelids open. Obtain medical attention if irritation persists.

SKIN: Remove contaminated clothing. Remove with mineral spirits followed by soap and water. If irritation develops, get medical attention immediately. Launder clothing before re-use.

INGESTION: Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention immediately. If breathing stops, administer artificial respiration.