

# ***MASTER REMOVER 2000***

## **POWERFUL “INDUSTRIAL FINISH” STRIPPER**

Chemically destroys the bond between carbon and metal to restore engine and machinery parts to a like-new condition. Master Remover 2000 has unique penetrate and coupling agent which quickly breaks the bond between metal surfaces and carbon, grease, paint, etc. In many cases soaking is all that is needed no strenuous wire brushing. Specially formulated to be used cold. Safe for use on zinc, lead, magnesium, aluminum, steel, copper, brass, tin, die-cast metal, solder, babbitt and most alloys commonly used in aircraft, marine and automotive components. Cold-dip process eliminated disagreeable vapors and dangers associated with hot solutions.

No expensive, dangerous heating equipment needed. Master Remover 2000 is a cold-dip process.

### **MILITARY SPECIFICATION MIL-R-25134A (USAF)**

#### **WHERE TO USE:**

Master Remover 2000 is a cold-dip carbon and paint remover for use in softening and removing carbon, paints, engine varnish, sticky gums, oil, grease ethyl stains and other soils commonly found on engine parts, electric motors and all aircraft, marine and automotive components.

**MASTER REMOVER 2000**-is designed as an evaporation retardant and corrosion inhibitor. When carbon, paint or grease become soft and spongy flush off loosened particles with a cold steam gun or equivalent high-pressure sprayer. On parts, such as piston heads, hard domes, valves etc. Which are subject to high combustion temperatures, light brushing with a wire brush maybe required for complete carbon removal.

**MASTER REMOVER 2000**- is an effective wood floor stripper; strips antique furniture, rubber bumpers, grease on driveways, and graffiti on brick, wax buildup. Removes rubber carpet adhesive and engine gaskets.

**MASTER REMOVER 2000**-Can is used directly on normal wooden hardwood and parquet floors.

# TECHNICAL DATA SHEET

## ENVIROSAFE CHEMICALS CANADA MATERIAL SAFETY DATA SHEET

### SECTION 1-PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: MASTER REMOVER 2000 PRODUCT IDENTIFICATION NUMBER (PIN) MR2000  
PRODUCT USE: Paint and varnish remover  
MANUFACTURER'S NAME: Envirosafe Chemicals Canada  
ADDRESS: PO Box 1792 - 10011 Thatcher Avenue  
CITY: North Battleford PROVINCE: SK POSTAL CODE: S9A 3W8 TEL: 306-446-0505

### SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC OF INGREDIENT (SPECIFY SPECIES)	TLV(ACGIH)
Methyl alcohol	7-13	67-56-1	(oral rat)6.2-13g/kg	(rat)6400 PPM(4 hr)	Not available
Toluene	7-13	08-88-3	2500mg/kg oral rat	8000ppm (4 hr)	Not available
Methylene Chloride	15-40	75-09-2	(oral rat):2.1 g/kg	(rat):88 g/m 30 min	100ppm

Balance non-hazardous ingredients

### SECTION 3-PHYSICAL DATA

PHYSICAL STATE: liquid ODOUR AND APPEARANCE: colourless ODOUR THRESHOLD (PPM):  
Liquid (solvent odour) Not available  
VAPOUR PRESSURE:30 PSIG at 20°C VAPOUR DENSITY:>1 (AIR=1) EVAPORATION RATE: Not available  
BOILING POINT (°C) 40°C Initial FREEZING POINT (°C) Not available pH: Not available  
SPECIFIC GRAVITY: Not applicable COEFF. WATER/OIL DIST.: Not applicable

### SECTION 4-FIRE AND EXPLOSION DATA

FLAMMABILITY: Yes IF YES UNDER WHICH CONDITION? May form flammable mixture if sprayed into  
Open flames, sparks, etc.

MEANS OF EXTINGUISHION: Use foam dry chemical CO2, water fog to extinguish fire  
FLASHPOINT (°C) AND METHOD: Flame extension<45°C

UPPER FLAMMABLE LIMIT (% BY VOLUME): Not applicable  
LOWER FLAMMABLE LIMIT (% BY VOLUME): Not applicable

AUTOIGNITION TEMPERATURE (°C): Not applicable HAZARDOUS COMBUSTION PRODUCTS: Oxides of  
Carbon, traces of HC1, Phosgene & other toxic fumes  
EXPLOSION DATA SENSITIVITY TO IMPACT: Not available SENSITIVITY TO STATIC DISCHARGE: Not  
Available

### SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: Yes IF NO? UNDER WHICH CONDITION?  
INCOMPATIBILITY WITH OTHER SUBSTANCES: Do not mix with strong acids, oxidants, common metals, etc.  
REACTIVITY, AND UNDER WHAT CONDITIONS: Not available  
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrocarbon fumes, oxides of carbon, chlorinated compounds,  
amounts of phosgene.

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**ENVIROSAFE CHEMICALS CANADA**

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**PRODUCT IDENTIFICATION: MASTER REMOVER 2000**

## SECTION 6-TOXICOLOGICAL PROPERTIES

### ROUTE OF ENTRY:

**SKIN CONTACT: X SKIN ABSORPTION: X EYE CONTACT: X INHALATION: X INGESTION: X**

**EFFECTS OF ACUTE EXPOSURE TO PRODUCT:** prolonged exposure may irritate skin, eyes & mucous Membranes. At low concentrations it causes a feeling of drunkenness and decreased alertness. At very high concentrations it can cause in-coordination, loss of consciousness

**EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:** May cause drying at very high concentrations; can cause liver and kidney damage.

**EXPOSURE LIMITS:** Toluene: TLV 100ppm  
Methylene Chloride TLV(100PPM)

**IRRITANCY OF PRODUCT:** Irritant to skin and eyes  
Methyl Alcohol. TLV 200ppm (skin)

**SENSITIZATION OF PRODUCT:** None known

**CARCINOGENICITY:** In laboratory studies prolonged exposure to high concentrations of Methylene Chloride has caused cancer in some animal species. However cancer due to workplace exposure to methylene chloride has been noted.

**TERATOGENICITY:** Not available

**REPRODUCTIVE TOXICITY:** None known

**MUTAGENICITY:** Not available

**SYNERGISTIC PRODUCTS:** None known

## SECTION 7-PREVENTIVE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses are recommended; use impervious gloves if contact is anticipated.

**GLOVES:** Impervious Gloves **RESPIRATOR:** Not normally required. In confined Areas use self-contained breathing apparatus. **EYE:** Eyebath, chemical Viton or Neoprene, safety Goggles

**FOOTWEAR:** Not normally required **CLOTHING:** Not normally required **OTHER:** Eye bath, hand washing Facility

**ENGINEERING CONTROL (SPECIFY, E G. VENTILATION ENCLOSED PROCESS):** Provide mechanical Ventilation of confined spaces. For continuous use or if TLV is exceeded.

**LEAK AND SPILL PRODUCE:** Ventilate area; remove all sources of ignition and open flames or sparks. Wear Protective equipment, small spills may be wiped; large spills should be collected for disposal. Suitable Absorbent material can be used to soak up spills. If necessary, wash contaminated surface with a solvent Based cleaner.

**WASTE DISPOSAL:** Use standard waste disposal procedures in accordance with Federal, Provincial and local Regulations.

**HANDLING PROCEDURES AND EQUIPMENT:** Keep away from ignition sources, use in well-ventilated areas.

**STORAGE REQUIREMENTS:** Store in cool, well-ventilated area below 50°C. Away from in-compatible Materials.

**SPECIAL SHIPPING INFORMATION:** I.D. #SM8321-B UN 1230 3.2 (6.1) (Methyl alcohol acetic acid ester of ox Alcohol blend) Label as "Consumer Commodity."

## SECTION 8-FIRST AID MEASURES

**EYE:** Flush with copious amounts of water for a least 15 minutes. Call a physician

**SKIN:** Wash with soap and water for at least 15 minutes. If irritation persists call a physician.

**INHALATION:** Remove to fresh air apply artificial respiration if necessary. Call a physician.

**INGESTION:** Do not induce vomiting, rinse mouth with water. Do not give anything by mouth if victim is Unconscious. Call a physician immediately.

## SECTION 9-PREPARATION DATE OF MSDSJ

**PREPARED BY: ENVIROSAFE TECHNICAL DEPT. PHONE NUMBER: 306-446-0505** WHILE THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE LISTED, ENVIROSAFE CHEMICALS CANADA MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE HERE ON.