



CHEMICAL TECHNOLOGIES INC.

P.O. Box 91055
TORONTO, ON
M9C 5N5
Tel: 416-848-3917
Fax: 647-430-3455

MATERIAL SAFETY DATA SHEET

ULTRA 5

SECTION 1 MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION HMIS	WHMIS CLASS A, D1B HEALTH 2, FLAMMABILITY 0, REACTIVITY 1, PERSONAL PROTECTION A
CHEMICAL FORMULA	MIXTURE
MATERIAL USE	LUBRICANT

SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENT APPROX. CONCENTRATION % CAS EXPOSURE LIMITS LD50/LC50/SPECIES/ROUTE	PERCHLOROETHYLENE 10-30 127-18-4 NOT AVAILABLE ORAL (LD50): ACUTE: 2629 MG/KG (RAT) DERMAL (LD50) ACUTE 10000 MG/KG (RABBIT) VAPOR (LC50) ACUTE: 7219 PPM 4 HOURS (RAT)
--	---

HAZARDOUS INGREDIENT APPROX. CONCENTRATION % CAS EXPOSURE LIMITS LD50/LC50/SPECIES/ROUTE	METHYLENE CHLORIDE 30-60 75-09-2 TWA: 200 CEIL: 250 (PPM) TWA: 700 CEIL: 870 (MG/M ³) ORAL (LD50): ACUTE: MG/KG 1987 (MOUSE) 2388 (RAT) DERMAL (LD50) ACUTE 4368 MG/KG (RAT)
--	---

HAZARDOUS INGREDIENT APPROX. CONCENTRATION % CAS EXPOSURE LIMITS LD50/LC50/SPECIES/ROUTE	DIETHYLENE GLYCOL MONOBUTYL ETHER 1-15 112-34-5 NOT AVAILABLE ORAL (LD50): ACUTE: 6560 MG/KG (RAT) DERMAL (LD50) ACUTE 4120 MG/KG (RABBIT)
--	---

HAZARDOUS INGREDIENT APPROX. CONCENTRATION % CAS EXPOSURE LIMITS LD50/LC50/SPECIES/ROUTE	CARBON DIOXIDE 1-5 124-38-9 TWA: 5000 (PPM) NOT AVAILABLE
--	---

SECTION 3 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE	AEROSOL
ODOUR AND APPEARANCE	MILD ODOUR, AMBER LIQUID
ODOUR THRESHOLD (PPM)	NOT AVAILABLE
SPECIFIC GRAVITY	1.27
VAPOUR PRESSURE (MM)	NOT DETERMINED

VAPOUR DENSITY (AIR =1)	GREATER THAN AIR
EVAPORATION RATE	NOT DETERMINED
BOILING POINT (°C)	NOT DETERMINED
FREEZING POINT (°C)	NOT DETERMINED
SOLUBILITY IN WATER (20°C)	INSOLUBLE
% VOLATILE (BY VOL.)	74.71% (V/V)
PH	NOT APPLICABLE

SECTION 4 FIRE AND EXPLOSION DATA

FLAMMABILITY	NON-FLAMMABLE
MEANS OF EXTINCTION	NON-FLAMMABLE. COOL CONTAINING VESSELS WITH WATER JET IN ORDER TO PREVENT PRESSURE BUILD-UP, AUTOIGNITION OR EXPLOSION.
SPECIAL PROCEDURES	SELF-CONTAINED RESPIRATORY PROTECTION SHOULD BE PROVIDED FOR FIREFIGHTERS.
FLASHPOINT (°C) AND METHOD	NOT APPLICABLE
UPPER EXPLOSION LIMIT (% BY VOL.)	NOT APPLICABLE
LOWER EXPLOSION LIMIT (% BY VOL.)	NOT APPLICABLE
HAZARDOUS COMBUSTION PRODUCTS	NOT AVAILABLE.
EXPLOSION SENSITIVITY TO CHEM. IMPACT	RISKS OF EXPLOSION OF THE PRODUCT IN PRESENCE OF MECHANICAL IMPACT.

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY	STABLE
INCOMPATIBILITY? TO WHAT?	AVOID CONTACT WITH STRONG OXIDIZING AGENTS, STRONG ACIDS AND STRONG ALKALIES. THE MATERIALS OF THIS PRODUCT MAY REACT VIOLENTLY WITH METALS SUCH AS SODIUM, POTASSIUM, BARIUM AND ALUMINIUM, PARTICULARLY IF THESE METALS ARE FINELY DIVIDED.
HAZARDOUS DECOMPOSITION PRODUCTS	NOT AVAILABLE

SECTION 6 TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT Y/N	Y
ROUTE OF ENTRY EYE CONTACT Y/N	Y
ROUTE OF ENTRY INHALATION Y/N	Y
ROUTE OF ENTRY INGESTION Y/N	Y
EFFECTS OF ACUTE EXPOSURE	EYE CONTACT: MAY CAUSE IRRITATION, CORNEAL BURNS, CONJUNCTIVITIS AND POSSIBLE CORNEAL DAMAGE. MAY CAUSE SEVERE EYE IRRITATION. SKIN CONTACT: MAY CAUSE MODERATE TO SEVERE IRRITATION, DEFATTING, DRYING AND CRACKING OF SKIN. PROLONGED OR REPEATED CONTACT MAY LEAD TO DERMATITIS. INHALATION; VAPOURS MAY BE IRRITATING TO NOSE, THROAT AND RESPIRATORY TRACT. EXCESSIVE INHALATION OF VAPOURS MAY CAUSE NASAL AND RESPIRATORY IRRITATION AND CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE AND POSSIBLE UNCONSCIOUSNESS. INGESTION: MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE AND POSSIBLE UNCONSCIOUSNESS. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS. CAN BE FATAL IF INHALED OR INGESTED. THIS PRODUCT MAY IRRITATE EYES AND SKIN UPON CONTACT.
EFFECTS OF CHRONIC EXPOSURE	THE SUBSTANCE IS TOXIC TO KIDNEYS, THE REPRODUCTIVE

SYSTEM, LIVER. REPEATED OR PROLONGED EXPOSURE TO THE SUBSTANCE CAN PRODUCE TARGET ORGAN DAMAGE. REPEATED EXPOSURE TO A HIGHLY TOXIC MATERIAL MAY PRODUCE GENERAL DETERIORATION OF HEALTH BY AN ACCUMULATION IN ONE OR MORE HUMAN ORGANS.

SYNERGISTIC MATERIALS

NOT AVAILABLE

CARCINOGENICITY Y/N

Y--A2 (SUSPECTED FOR HUMAN) BY ACGIH (PERCHLORETHYLENE).

REPRODUCTIVE EFFECTS Y/N

Y--PROVEN (PERCHLOROETHYLENE).

TERATOGENICITY Y/N

N

MUTAGENICITY Y/N

N

SECTION 7 PREVENTIVE MEASURES

GLOVES

IMPERVIOUS GLOVES

EYEWEAR

SAFETY GLASSES

FOOTWEAR

AS REQUIRED BY EMPLOYER CODE

CLOTHING

AS REQUIRED BY EMPLOYER CODE

ENGINEERING CONTROLS

IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. BE SURE TO USE A MSHA/NIOSH APPROVED RESPIRATOR OR EQUIVALENT.

LEAK AND SPILL PROCEDURE

SMALL SPILL: ABSORB WITH AN INERT MATERIAL AND PLACE IN AN APPROPRIATE WASTE DISPOSAL CONTAINER.

WASTE DISPOSAL

CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.

STORAGE REQUIREMENTS

KEEP IN A COOL WELL-VENTILATED PLACE. KEEP AWAY FROM HEAT, SPARKS AND FLAME. DO NOT PUNCTURE, INCINERATE, STORE THE CONTAINER AT TEMPERATURES ABOVE 49°C (120°F) OR IN DIRECT SUNLIGHT.

SECTION 8 FIRST AID MEASURES

SKIN

WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. COMPLETELY DECONTAMINATE CLOTHING, SHOES AND LEATHER GOODS BEFORE REUSE OR DISCARD.

EYE

IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION.

INHALATION

REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

INGESTION

DO NOT INDUCE VOMITING. HAVE CONSCIOUS PERSON DRINK SEVERAL GLASSES OF WATER OR MILK. NEVER GIVE AN UNCONSCIOUS PERSON ANYTHING TO INGEST. ASPIRATION OF MATERIAL INTO THE LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. SEEK IMMEDIATE MEDICAL ATTENTION.

VALIDATED BY YORK CHEMICAL TECHNOLOGIES INC ON 30/04/2010.

WHILE THE COMPANY BELIEVES THE DATA SET FORTH HEREIN ARE ACCURATE AS OF THE DATE HEREOF, THE COMPANY MAKES NO WARRANTY WITH RESPECT THERETO AND EXPRESSLY DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. SUCH DATA ARE OFFERED SOLELY FOR YOUR CONSIDERATION, INVESTIGATION AND VERIFICATION.