



CHEMICAL TECHNOLOGIES INC.

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

# MATERIAL SAFETY DATA SHEET

## SUPERSOLVE

### SECTION 1 MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION  
HMIS

WHMIS CLASS B3, D-2B  
HEALTH 1, FLAMMABILITY 2, REACTIVITY 1,  
PERSONAL PROTECTION B  
MIXTURE  
NOT APPLICABLE  
CLEANER

CHEMICAL FORMULA  
MOLECULAR WEIGHT  
MATERIAL USE

### SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENT  
APPROX. CONCENTRATION %  
CAS  
EXPOSURE LIMITS  
LD50/LC50/SPECIES/ROUTE

NONYL PHENOL ETHOXYLATE  
1-5  
7664-38-2  
NOT AVAILABLE  
ORAL (LD50) MG/KG: ACUTE: 2600 (RAT)

HAZARDOUS INGREDIENT  
APPROX. CONCENTRATION %  
CAS  
EXPOSURE LIMITS  
LD50/LC50/SPECIES/ROUTE

ETHYLENE GLYCOL MONOBUTYL ETHER  
5-10  
111-76-2  
TWA: 50 CEIL: 150 (PPM) TWA: 240 CEIL: 720 (MG/M<sup>3</sup>)  
ORAL (LD50) MG/KG: ACUTE: 470 MG/KG (RAT)  
DERMAL (LD50) PPM: ACUTE: 220 MG/KG (RABBIT)

HAZARDOUS INGREDIENT  
APPROX. CONCENTRATION %  
CAS  
EXPOSURE LIMITS  
LD50/LC50/SPECIES/ROUTE

ISOPROPYL ALCOHOL  
1-5  
67-63-0  
TWA: 400 PPM CEIL: 500 (PPM) TWA: 900 CEIL: 1225  
(MG/M<sup>3</sup>)  
ORAL (LD50) MG/KG: ACUTE: 3600 (MOUSE) VAPOUR  
(LC50) ACUTE 16970 PPM (RAT) 4HOURS

HAZARDOUS INGREDIENT  
APPROX. CONCENTRATION %  
CAS  
EXPOSURE LIMITS  
LD50/LC50/SPECIES/ROUTE

ODOURLESS MINERAL SPIRITS  
40-60  
64742-88-2  
NOT AVAILABLE  
NOT AVAILABLE

HAZARDOUS INGREDIENT  
APPROX. CONCENTRATION %  
CAS  
EXPOSURE LIMITS  
LD50/LC50/SPECIES/ROUTE

D'LIMONENE  
40-60  
5989-27-5  
NOT AVAILABLE  
ORAL (LD50) MG/KG: ACUTE: 4400 (RAT)

**SECTION 3 PHYSICAL DATA FOR MATERIAL**

PHYSICAL STATE	LIQUID
ODOUR AND APPEARANCE	CITRUS ODOUR, YELLOW LIQUID
ODOUR THRESHOLD (PPM)	NOT AVAILABLE
SPECIFIC GRAVITY	0.86
VAPOUR PRESSURE (MM)	WEIGHTED AVERAGE: 19.5 MM OF HG (@ 20°C)
VAPOUR DENSITY (AIR =1)	WEIGHTED AVERAGE: 4.59 (AIR=1)
EVAPORATION RATE	NOT DETERMINED
BOILING POINT (°C)	WEIGHTED AVERAGE: 174.6°C.
FREEZING POINT (°C)	NOT DETERMINED
SOLUBILITY IN WATER (20°C)	MISCIBLE IN WATER
% VOLATILE (BY VOL.)	>85
PH	NOT AVAILABLE

**SECTION 4 FIRE AND EXPLOSION DATA**

FLAMMABILITY	COMBUSTIBLE
MEANS OF EXTINCTION	SMALL FIRE: USE DRY CHEMICALS, CO <sub>2</sub> , WATER SPRAY OR FOAM. LARGE FIRE: USE WATER SPRAY, FOG OR FOAM. DO NOT USE WATER JET.
SPECIAL PROCEDURES	NOT AVAILABLE
FLASHPOINT (°C) AND METHOD	THE LOWEST KNOWN VALUE IS CLOSED CUP: 46°C (114.9°F). (TAGLIABUE). (D-LIMONENE)
UPPER EXPLOSION LIMIT (% BY VOL.)	10.6 (ETHYLENE GLYCOL MONOBUTYL ETHER)
LOWER EXPLOSION LIMIT (% BY VOL.)	1.1 (ETHYLENE GLYCOL MONOBUTYL ETHER)
HAZARDOUS COMBUSTION PRODUCTS	THESE PRODUCTS ARE CARBON OXIDES (CO, CO <sub>2</sub> ).

**SECTION 5 REACTIVITY DATA**

CHEMICAL STABILITY	STABLE
INCOMPATIBILITY? TO WHAT?	HIGHLY REACTIVE WITH OXIDIZING AGENTS, REDUCING AGENTS. VERY SLIGHTLY TO SLIGHTLY REACTIVE WITH ACIDS.
HAZARDOUS DECOMPOSITION PRODUCTS	THESE PRODUCTS ARE CARBON OXIDES (CO, CO <sub>2</sub> ) AND OTHER IRRITATING GASES.

**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	THIS PRODUCT MAY IRRITATE EYES AND SKIN UPON CONTACT. INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING AND ITCHING. SLIGHTLY DANGEROUS TO DANGEROUS IN CASE OF INGESTION OR INHALATION. VERY SLIGHTLY TO SLIGHTLY DANGEROUS IN CASE OF SKIN CONTACT (IRRITANT), OF EYE CONTACT (IRRITANT). NON-CORROSIVE FOR SKIN.
EFFECTS OF CHRONIC EXPOSURE	PROLONGED OR REPEATED EXPOSURE CAN CAUSE DRYING, DEFATTING AND DERMATITIS. CAN BE ABSORBED THROUGH SKIN IN TOXIC AMOUNTS IF CONTACT IS REPEATED AND PROLONGED.
SYNERGISTIC MATERIALS	NOT AVAILABLE
CARCINOGENICITY Y/N	N
REPRODUCTIVE EFFECTS Y/N	N
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	GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS.
LEAK AND SPILL PROCEDURE	DILUTE WITH WATER AND MOP UP, OR ABSORB WITH AN INERT DRY MATERIAL AND PLACE IN AN APPROPRIATE WASTE DISPOSAL CONTAINER. COMBUSTIBLE LIQUID. KEEP AWAY FROM HEAT. KEEP AWAY FROM SOURCES OF IGNITION. STOP LEAK IF WITHOUT RISK. ABSORB WITH DRY EARTH, SAND OR OTHER NON-COMBUSTIBLE MATERIAL. DO NOT TOUCH SPILLED MATERIAL. PREVENT ENTRY INTO SEWERS, BASEMENTS OR CONFINED AREAS; DIKE IF NEEDED. ELIMINATE ALL SOURCES OF IGNITION. CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.
WASTE DISPOSAL STORAGE REQUIREMENTS	COMBUSTIBLE MATERIALS SHOULD BE STORED AWAY FROM EXTREME HEAT AND AWAY FROM STRONG OXIDIZING AGENTS. KEEP CONTAINER TIGHTLY CLOSED IN A COOL, WELL-VENTILATED PLACE. GROUND ALL EQUIPMENT CONTAINING MATERIAL. A REFRIGERATED ROOM WOULD BE PREFERABLE FOR MATERIALS WITH A FLASH POINT LOWER THAN 37.8°C (100°F).

## SECTION 8 FIRST AID MEASURES

SKIN	REMOVE CONTAMINATED CLOTHES AS QUICKLY AS POSSIBLE, PROTECTING YOUR OWN HANDS AND BODY. PLACE THE VICTIM UNDER A DELUGE SHOWER. IF THE CHEMICAL TOUCHES THE VICTIM'S EXPOSED SKIN, SUCH AS THE HANDS: GENTLY AND THOROUGHLY WASH THE CONTAMINATED SKIN WITH RUNNING WATER AND NON-ABRASIVE SOAP. BE PARTICULARLY CAREFUL TO CLEAN FOLDS, CREVICES, CREASES AND GROIN. COLD WATER MAY BE USED. COVER THE IRRITATED SKIN WITH AN EMOLLIENT. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSING.
EYE	CHECK FOR AND REMOVE ANY CONTACT LENSES. IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. COLD WATER MAY BE USED. DO NOT USE AN EYE OINTMENT. 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. 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.*