

# MATERIAL SAFETY DATA SHEET

## SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: SUPPLIER:  
MULTI-BLEND LTD. QUALITY CHEMICAL  
MISSISSAUGA 215 DOLOMITE DR.  
ONTARIO L4T 1G3 DOWNSVIEW, ONTARIO M3J 2N1  
TEL: 416-665-8422

PRODUCT NAME: **CITRUSOL**  
CHEMICAL NAME: NOT APPLICABLE  
CHEMICAL FAMILY: ALKALIES  
PRODUCT USE: GENERAL PURPOSE CLEANER DEGREASER

EFFECTS OF CHRONIC EXPOSURE: NE  
EXPOSURE LIMITS: NOT AVAILABLE  
IRRITANCY OF MATERIAL: NOT AVAILABLE  
SENSITIZATION TO MATERIAL: NOT AVAILABLE  
CARCINOGENICITY: NOT KNOWN  
REPRODUCTIVE TOXICITY: NOT KNOWN  
TERATOGENICITY: NOT KNOWN  
MUTAGENICITY: NOT KNOWN  
SYNERGISTIC PRODUCTS: NOT AVAILABLE

## SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	APPROX. CONC. %	CAS NO.	LD(50) (RAT ORAL)	LC(50)
SODIUM METASILICATE	1-5	6834-92-0	1470 mg/Kg	ND
TPM GLYCOL ETHER	1-5	25498-49-1	3300 mg/kg	ND
D-LIMONENE	1-5	5989-27-5	4400 mg/Kg	ND
Tetrasodium salt of ethylene diaminetetraacetic acid	1-5	64-02-8	3030 mg/Kg	ND

## SECTION III PHYSICAL DATA

PHYSICAL STATE: LIQUID  
ODOUR AND APPEARANCE: ORANGE LIQUID, CITRUS ODOUR  
ODOUR THRESHOLD: NOT AVAILABLE  
SPECIFIC GRAVITY: 1.020  
VAPOUR PRESSURE (MM) 760MM AT 100(C)  
VAPOUR DENSITY (AIR=1): NOT AVAILABLE  
EVAPORATION RATE: (WATER = 1) 1  
SOLUBILITY IN WATER: (20 DEGREES C) COMPLETE  
BOILING POINT: (C) 100  
PH: 12.00  
COEFF. WATER/OIL DISTR.: NOT AVAILABLE

## SECTION IV FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY: NON FLAMMABLE  
EXTINGUISHING MEDIA: AS FOR SURROUNDING MATERIALS  
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, NITROUS OXIDE, AMMONIA.  
SPECIAL PROCEDURES AS FOR SURROUNDING MATERIALS  
FLASH POINT (DEG)C. NOT APPLICABLE  
UPPER FLAMMABLE LIMIT: NOT APPLICABLE  
LOWER FLAMMABLE LIMIT: NOT APPLICABLE  
AUTO IGNITION TEMP: NOT APPLICABLE  
EXPLOSION DATA: NOT APPLICABLE  
SENSITIVITY TO STATIC CHARGE: NOT AVAILABLE

## SECTION V REACTIVITY DATA

CHEMICAL STABILITY: STABLE  
CONDITIONS TO AVOID: EXTREME HEAT AND COLD  
INCOMPATIBLE SUBSTANCES: STRONG ACIDS, STRONG OXIDIZING AGENTS.  
HAZARDOUS DECOMPOSITION: THERMAL DECOMPOSITION WILL GIVE CARBON DIOXIDE, CARBON MONOXIDE  
HAZARDOUS POLYMERIZATION: NONE

## SECTION VI TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY  
SKIN CONTACT: NO SKIN ABSORPTION: NO  
EYE CONTACT: YES INHALATION: YES  
INGESTION: YES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL: EYE CONTACT MAY CAUSE SEVERE IRRITATION AND/OR CORNEAL DAMAGE. SKIN CONTACT MAY CAUSE IRRITATION. INHALATION PROLONGED EXPOSURE CAN CAUSE IRRITATION OF EYES NOSE AND THROAT AND RESPIRATORY TRACT. INGESTION MAY CAUSE IRRITATION OF LIPS MOUTH AND THROAT, RESPIRATORY AND OESOPHAGUS, NAUSEA, VOMITING ABDOMINAL PAIN AND DIARRHOEA, EDEMA OF LARYNX AND SUBSEQUENT SUFFOCATION, PERFORATION OF GASTROINTESTINAL TRACT

## SECTION VII PREVENTIVE MEASURES

HAND PROTECTION: GLOVES: RUBBER OR VINYL  
EYE PROTECTION: CHEMICAL GOGGLES OR FACE SHIELD  
RESPIRATORY PROTECTION: WORN BY PERSON SENSITIVE TO FUMES  
FOOT WEAR: RUBBER  
CLOTHING: IMPERVIOUS  
ENGINEERING CONTROLS: LOCAL EXHAUST  
LEAK AND SPILL PROCEDURE: DIKE AREA AND CONTAIN SPILL. PUMP TO CONTAINER FOR RECOVERY OR DISPOSAL. NEUTRALISE REMAINDER WITH MILD ACID AND FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER IF LOCAL GOVERNMENTS ALLOW OR PICK UP WITH WET VACUUM.  
WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH LOCAL AND MUNICIPAL AUTHORITIES.  
HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES SKIN OR CLOTHES. WASH THOROUGHLY AFTER HANDLING  
STORAGE REQUIREMENTS: STORE IN A COOL DRY AREA AWAY FROM ACIDS AND INCOMPATIBLES. DO NOT FREEZE

## SECTION VIII FIRST AID MEASURES

PROCEDURES: EYES: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION  
SKIN: REMOVE CONTAMINATED CLOTHING AND WASH FOR 15 MINUTES WITH RUNNING WATER. SEEK MEDICAL ATTENTION. DRY CLEAN CLOTHES BEFORE REUSE.  
INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION  
INGESTION: IF SWALLOWED DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES OF WATER OR CITRIC JUICES. IF VOMITING OCCURS GIVE FURTHER FLUIDS AND SEEK MEDICAL ATTENTION IMMEDIATELY.

## ADDITIONAL INFORMATION

WHMIS CLASSIFICATION: CLASS E, CLASS D DIV 2B  
TDG CLASSIFICATION: NR PIN: NR  
PACKING GROUP: NR  
HAZARD RATING: HEALTH: 1 FIRE: 0 REACTIVITY: 1 CORROSIVENESS: 1

HAZARD RATING SCALE: 0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SERIOUS, 4=SEVERE. NA=NOT APPLICABLE, ND=NO DATA AVAILABLE, NE=NOT ESTABLISHED, NR = NOT REGULATED.

PREPARED BY: LAB GROUP DATE: 16 NOVEMBER 2005  
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