

FOX VALLEY CHEMICAL COMPANY

5201 MANN DRIVE - P.O. BOX 129

RINGWOOD, IL. 60072

ORIGINAL DATE 05-92 REVISED 03-11-02

MATERIAL SAFETY DATA SHEET

CITRA 50

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER: FOX VALLEY CHEMICAL
INFORMATION: 815-653-2660
EMERGENCY: 800-325-3699
PRODUCT CLASS: MIXTURE HAZARD RATINGS:

TRADE NAME: CITRA 50 4-EXTREME
PRODUCT CODE: NATURAL D-LIMONENE 3-HIGH

C.A.S. #: SEE BELOW 2-MODERATE
1-SLIGHT
0-INSIGNIFICANT

FIRE - 2 TOXICITY - 0 REACTIVE - 0 SPECIAL - 0

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS #	WEIGHT	EXPOSURE LIMIT
		%	ACGIH/TLV OSHA/PEL
D-LIMONENE	5989-27-5	17%	

CONTAINS NO HAZARDOUS INGREDIENTS AS LISTED IN 29
CPR 1910, OR OTHER PERTINENT SECTIONS OF OSHA
REGULATIONS

SECTION III - PHYSICAL DATA

BOILING RANGE: 352 F. VAPOR DENSITY (AIR=1) 4.69
EVAP RATE: ETHER=1) 1.0 PH: N/A
SOLUBILITY IN WATER: EMULSIFIERS DISPERSIBLE IN
ALL PROPORTIONS.
VOLATILES VOL: 100 % WGT.PER GALLON:
SPECIFIC GRAVITY: 0.8
VAPOR PRESSURE: NOT DETECTED
APPEARANCE & ODOR: WATER-WHITE LIQUID, CITRUS
ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 352 DEGREES F LEL: N/A

FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/A
LOWER: N/A
EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE, DRY
CHEMICAL.
SPECIAL FIREFIGHTING PROCEDURES: FIREFIGHTERS
MUST WEAR FULL PROTECTIVE GEAR AND SELF-
CONTAINED BREATHING APPARATUS.
UNUSUAL FIRE & EXPLOSION HAZARDS: COOL DRUMS IN
VICINITY OF FIRE WITH WATER FOG. CONTAINERS MAY
EXPLODE IN HEAT OF FIRE. AVOID SPREADING FIRE WITH
WATER STREAM. SOLVENT VAPORS MAY FLASH BACK.
VAPORS ARE HEAVIER THAN AIR AND MAY
TRAVEL ALONG THE GROUND OR BE MOVED BY
VENTILATION.

SECTION V - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL:
THRESHOLD LIMIT VALUE: NOT ESTABLISHED
EFFECTS OF OVEREXPOSURE: EYES: MODERATE
IRRITATION, REDNESS TEARING
SKIN: IRRITATION AND DERMATITIS ON PROLONGED OR
REPEATED EXPOSURE.
INGESTION: GASTROINTESTINAL IRRITATION, NAUSEA,
VOMITING, DIARRHEA.
INHALATION: RESPIRATORY TRACT IRRITATION,
RESPIRATORY DIFFICULTY.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
CARCINOGENICITY: () OSHA () NTP () IARC
FIRST AID
INHALATION: REMOVE PERSON TO FRESH AIR.
ADMINISTER ARTIFICIAL RESPIRATION IF INDICATED,
AND OBTAIN MEDICAL ATTENTION.
SKIN CONTACT: WASH WITH SOAP AND WATER. LAUNDRY
CLOTHING BEFORE RE-USE.
EYE CONTACT: FLUSH EYES AND UNDER EYELIDS WITH
PLENTY OF WATER FOR AT LEAST 15 MINUTES, AND
OBTAIN MEDICAL ATTENTION.
INGESTION: CALL A PHYSICIAN OR POISON CONTROL
CENTER IMMEDIATELY. DO NOT INDUCE VOMITING.
NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS
PERSON.

SECTION VI - REACTIVITY DATA

STABILITY: () UNSTABLE (X) STABLE
HAZARDOUS POLYMERIZATION: () MAY OCCUR (X) WILL
NOT OCCUR
INCOMPATIBILITY: STRONG OXIDIZING AGENTS
CONDITIONS TO AVOID: NONE
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL
DECOMPOSITION MAY YIELD CARBON MONOXIDE AND
CARBON DIOXIDE

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR
SPILLED: EXTINGUISH ALL SOURCES OF IGNITION AND
VENTILATE AREA. WEAR REQUIRED SAFETY EQUIPMENT.
STOP LEAK OR SPILL AND CONTAIN SPILLED MATERIAL.
USE NON-SPARKING TOOLS. SOAK UP ON INERT
ABSORBENT AND PLACE IN CLOSED CONTAINER FOR
PROPER WASTE DISPOSAL. RINSE SPILL AREA WITH
WATER.
WASTE DISPOSAL METHOD: CONSULT LOCAL
ENVIRONMENTAL AUTHORITIES FOR DISPOSAL
INFORMATION ACCORDING TO FEDERAL, STATE AND
LOCAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: USE ONLY WITH ADEQUATE
VENTILATION. DO NOT BREATHE VAPORS OR MISTS.

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VENTILATION: LOCAL EXHAUST AND OR MECHANICAL
VENTILATION RECOMMENDED.

PROTECTIVE GLOVES: RUBBER GLOVES

EYE PROTECTION: CHEMICAL GOGGLES OR FACE SHIELD

OTHER PROTECTIVE EQUIPMENT: EMERGENCY SHOWER
AND EYE WASH FACILITIES.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

STORE IN COOL, DRY PLACE AWAY FROM HEAT OR OPEN
FLAME. CLOSE CONTAINER TIGHTLY WHEN NOT IN USE.

EQUIPMENT SHOULD BE GROUNDED WHEN

TRANSFERRING OR USING THIS MATERIAL

OTHER PRECAUTIONS: KEEP OUT OF REACH OF

CHILDREN. EMPTY CONTAINER, MAY RETAIN

HAZARDOUS RESIDUE. DO NOT CUT OR

WELD EMPTY CONTAINER.

SHIPPING INFORMATION:

DOT SHIPPING NAME:

DOT HAZARD CLASS:

DOT LABELS REQUIRED:

FREIGHT DESCRIPTION: