

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE: 1-800-346-0132
CHEMTREC PHONE: 1-800-255-3924

B484 ORANGESOL

NFPA RATING:

HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0 SPECIAL:

HMIS RATING:

HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0 PERSONAL PROTECTION: B

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ORANGESOL
PRODUCT CODES: B484
PRODUCT USE: Sewer Digester Solvent and Deodorizer
MANUFACTURER: Chemax Corporation
ADDRESS: P O Box 7453
Beaumont TX 77726-7453
DATE PREPARED: 10/12/09
PREPARED BY: R Hinshaw

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

<u>INGREDIENT NAME:</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% WT</u>	<u>SARA 313</u>
ISOPARAFFINIC HYDROCARBON	64742-47-8	500 ppm	500 ppm	74	
D-LIMONENE	5989-27-5	100 ppm	100 ppm	24	
NONYLPHENOL ETHOXYLATE	26027-38-3	N/A	N/A	2	

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Keep out of reach of children.

ROUTES OF ENTRY: Eyes. Skin. Ingestion. Inhalation.

POTENTIAL HEALTH EFFECTS:

EYES: May cause irritation, burning, itching, and redness.

SKIN: May cause mild irritation.

INGESTION: Gastric discomfort. Nausea.

INHALATION: Dizziness and/or headache. Irritation to nose and throat. Prolonged exposure may lead to unconsciousness.

CHRONIC HEALTH HAZARDS: Possible nervous system depression, narcosis of the liver and kidney damage.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

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SECTION 4: FIRST AID MEASURES

EYES: Flush with large amounts of running water for 15 minutes. If irritation persists, seek medical attention.

SKIN: Wash thoroughly with soap and water for 15 minutes. If irritation develops, seek medical attention.

INGESTION: Do NOT induce vomiting. Seek immediate medical attention.

INHALATION: Remove to fresh air. Resuscitate if necessary. Seek medical attention.

NOTES TO PHYSICIAN OR FIRST AID PROVIDER:

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR (% by volume): UPPER: 6.0 LOWER: 0.62

FLASH POINT (Method Used: COC): 160 F

FLAMMABILITY (as per USA Flame Projection Test):

AUTO IGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Dry chemical. Water spray. Alcohol foam.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible liquid.

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Stop flow. Dike spill. Eliminate ignition sources. Absorb on inert material and scrape up.

SECTION 6 NOTES: Dispose of residue in accordance with all federal, state and local regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool, dry area away from heat or open flame. Do not smoke when using.
Keep container tightly sealed. Open carefully as product could have excessive vapor buildup.

OTHER PRECAUTIONS: Keep out of reach of children. Avoid food contamination. Vent container in warm weather.

SECTION 7 NOTES:

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SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION : Local exhaust to maintain exposure below TLV. Mechanical in enclosed areas.

RESPIRATORY PROTECTION: If vapor concentration exceeds TLV, use respirator approved by NIOSH for organic vapor or SCBA.

EYE PROTECTION: Safety goggles or glasses.

SKIN PROTECTION: Solvent-resistant gloves such as neoprene may be used.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None.

WORK HYGIENIC PRACTICES: Wash hands thoroughly after use. Keep away from food and drink.
Handle in accordance with good industrial hygiene and safety practices.

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Orange liquid

ODOR: Citrus fragrance

PHYSICAL STATE: Liquid

pH: N/A

BOILING POINT: 365 F

MELTING POINT: N/A

VAPOR PRESSURE (mm Hg): 1.1

VAPOR DENSITY (AIR = 1): 4.7

SPECIFIC GRAVITY (H₂O = 1): 0.81

EVAPORATION RATE (Butyl Acetate = 1): N/A

SOLUBILITY IN WATER: Emulsifies

TOTAL VOC (Volatile Organic Compounds) (% by weight):

TOTAL VOC (Volatile Organic Compounds) (grams / Liter):

PERCENT VOLATILE (by WT / by VOL):

SECTION 9 NOTES:

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SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: Avoid heat, sparks and open flames. Avoid high temperatures.

INCOMPATIBILITY (Material to Avoid): Strong oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide. Carbon dioxides.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No specific toxicological data is available for this product.

SECTION 11 NOTES: Please refer to Section 3 for information on potential health effects.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No specific ecological data is available for this product.

SECTION 12 NOTES: Please refer to Section 6 for information regarding spills and Section 15 for regulatory information.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of residue in accordance with all federal, state and local regulations.
Do not puncture or incinerate container. Wrap container and place in trash collection.

RCRA HAZARD CLASS: This product should be fully characterized prior to disposal (40 CFR 261).

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Call Manufacturer
HAZARD CLASS:
UNID NUMBER:
PACKING GROUP:
TYPE:

WATER TRANSPORTATION

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SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA (Toxic Substance Control Act): All chemicals are listed.

CERCLA (Comprehensive Response Compensation and Liability Act): None

SARA TITLE III EPCRA (Superfund Amendments and Reauthorization Act):

Section 311 – 312: Hazardous Chemical Inventory:

Section 313: Toxic Chemical Release Inventory: None

CALIFORNIA PROPOSITION 65:

Known to the State of California to cause birth defects or other reproductive harm: None

Known to the State of California to cause cancer: None

CARCINOGEN OR POTENTIAL CARCINOGEN:

OSHA: No ACGIH: No NTP: No IARC: No

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION: R Hinshaw

DISCLAIMER: Information provided in this MSDS is correct to the best of our knowledge, information and belief at publication date.