

MATERIAL SAFETY DATA SHEET

Carbon Terminator

FILE NO.: 11216

MSDS DATE: 11/7/13

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Carbon Terminator
PRODUCT USE: Carbon Remover
MANUFACTURER: Seatex, Ltd.
ADDRESS: 445 Texas Hwy 36
Rosenberg, TX 77471

PRODUCT CODES: 11216

EMERGENCY PHONE: 1-800-255-3924
CHEMTEL PHONE: 1-800-255-3924
OTHER CALLS: 713-357-5300

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>PEL</u>	<u>TLV</u>
2-Butoxyethanol	* 111-76-2	50 Ppm	20 Ppm
Ammonium Hydroxid 26be	1336-21-6	50 Ppm	20 Ppm
Ethyl Alcohol	64-17-5	1000 Ppm	1000 Ppm
Methyl Alcohol	* 67-56-1	200 Ppm	200 Ppm
Methylene Chloride	*+ 75-09-2	25 Ppm	50 Ppm
Toluene	*+ 108-88-3	100 Ppm	50 Ppm
Petroleum Sulf Acid Salt	68608-26-4	10 Ppm	

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Do not expose to high temperatures or store in direct sunlight. Pressure can cause splashing of chemical. Contains Methanol which can cause blindness if ingested. Harmful or fatal if swallowed or inhaled. Suspect cancer hazard. Risk of cancer depends on level and duration of exposure.

POTENTIAL HEALTH EFFECTS - ROUTES OF ENTRY: Inhalation, skin absorption, ingestion, skin and/or eye contact

EYES: Strong Irritation likely, redness, and pain. May cause eye damage.

SKIN: Irritation likely, redness and pain. May cause localized defatting, blistering with prolonged skin contact. May be absorbed through the skin.

INGESTION: Gastric discomfort, vomiting, absorption through the gastrointestinal tract may produce symptoms of CNS depression ranging from light headedness to unconsciousness. Contains Methanol which can cause blindness and or death.

INHALATION: Irritation to respiratory tract, dizziness, headache, nausea, depression of central nervous system, prolonged exposure may cause unconsciousness, heart effects, liver effects, kidney effects, and death.

ACUTE HEALTH HAZARDS: See above

CHRONIC HEALTH HAZARDS: Possible cancer causing agent and overexposure may also include damage to dermatitis, kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, and dermatitis, lungs, blood, or central nervous system.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Excessive exposure will aggravate pre-existing disorders of eyes, skin, respiratory, liver, kidney, cardiovascular system, pulmonary illnesses, or central nervous system.

CARCINOGENICITY:

OSHA: Yes **ACGIH:** A3-Animal Carcinogen **NTP:** Anticipated-2 **IARC:** 2B-Possible **Other:** CA Prop65

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with a large amount of water for 15 minutes while holding eyelids open. Seek medical attention immediately. **SKIN:** Immediately wash with soap and water for 15 minutes. If irritation develops seek medical attention.

INGESTION: Seek medical attention immediately, rinse mouth out with water, drink 2 glasses of water, and induce vomiting immediately as directed by medical personnel. **INHALATION:** Move to fresh air. If not breathing administer artificial respiration, if breathing is difficult give oxygen.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Do not administer adrenaline or epinephrine to a victim of chlorinated solvent poisoning. This product contains ingredients that may be anticipated to be a carcinogen.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR (% BY VOLUME): LOWER: 1.2 UPPER: 10.6

FLASH POINT: F: N/A C: N/A **METHOD USED:**

AUTOIGNITION TEMPERATURE: F: 1033 C: 556.11

NFPA HAZARD CLASSIFICATION: HEALTH: 3 **FLAMMABILITY:** 1 **REACTIVITY:** 0 **OTHER:**

HMIS HAZARD CLASSIFICATION: HEALTH: 3 **FLAMMABILITY:** 1 **REACTIVITY:** 0 **PROTECTION:** B

EXTINGUISHING MEDIA: Foam, dry chemical, and CO2.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May develop a flammable atmosphere in confined areas.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen, hydrogen chloride gas, and Phosgene under forced combustion.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Remove sources of ignition such as pilot lights. Material is heavier than air and can settle in low lying areas in flammable concentrations, ventilate area. Product will undergo rapid evaporation. Use absorbent on spill sweep to clean. Small releases may be wiped up with wiping material. Dispose of residue in accordance with federal, state and local guidelines. Offer drums for recycling. Do not reuse empty container. Smaller containers should be rinsed and placed in trash collection

Waste solvent likely considered U080, hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Do not use or store near heat or open flame. Store in accordance with NFPA, state and local regulations.

OTHER PRECAUTIONS: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide sufficient mechanical general and/or local exhaust for ventilation and maintain exposure below TLVs.

VENTILATION : Use only in well ventilated areas. Material is flammable and heavier than air. Material may concentrate in low lying areas.

RESPIRATORY PROTECTION: If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.

EYE PROTECTION: safety glasses

SKIN PROTECTION: Impervious gloves such as neoprene, recommended flourosilicone or a flouro elastomer. **OTHER**

PROTECTIVE CLOTHING OR EQUIPMENT: Long sleeve clothing to cover skin may be used if desired. **WORK HYGIENIC**

PRACTICES: Wash hands after use.

EXPOSURE GUIDELINES: Methylene Chloride OSHA PEL – 25 ppm, ACGIH TLV – 50 ppm

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Hazy slight yellow liquid or spray.

ODOR: Chlorinated Solvent

PHYSICAL STATE: Liquid

pH AS SUPPLIED: N/A

BOILING POINT: F: >104 C: >40

MELTING POINT: F: N/A C:

EVAPORATION RATE (Butyl Acetate =1): >2

SOLUBILITY IN WATER: 91%

FREEZING POINT: F: N/A C:

VAPOR PRESSURE (mmHg): > 100 @ F: 68 C: 20

VAPOR DENSITY (AIR = 1): > 2 @ F: 68 C: 20

SPECIFIC GRAVITY (H2O = 1): 1.17 @ F: 68 C: 20

PERCENT SOLIDS BY WEIGHT: N/A

PERCENT VOLATILE: 91% **BY WT/ BY VOL @ F: 77 C: 25**

VOLATILE ORGANIC COMPOUNDS (VOC): **WITH WATER: LBS/GAL WITHOUT WATER: LBS/GAL**

VISCOSITY: 1404 @ F: 75 C: 23.89

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE X UNSTABLE

CONDITIONS TO AVOID (STABILITY): Moisture, heat, sparks, and open flames

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers, caustics, chemically-active metals such as aluminum, magnesium powders, potassium & sodium, concentrated nitric acid, some plastics, rubbers, and coatings.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Oxides of carbon, hydrocarbons, and halogenated compounds including phosgene and hydrogen chloride gases.

HAZARDOUS POLYMERIZATION: None

CONDITIONS TO AVOID (POLYMERIZATION): None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Methylene Chloride - 75-09-2 – Oral Rat LD50 1600 mg/kg; Inhalation Rat LC50 52 gm/m3;

Reproductive Toxicity: Methylene Chloride - 75-09-2 – Has been linked to spontaneous abortions in humans. Toluene - 108-88-3 – Oral rat LD50: 636 mg/kg; skin rabbit LD50: 14100 uL/kg; inhalation rat LC50: 49 gm/m3/4H

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Do not let residue come in contact with waterways in the United States.

Methylene Chloride - This material may leach into groundwater. Will quickly evaporate in the soil and water and may biodegrade to a moderate extent in the water. Will not significantly bioaccumulate. Released in the air this material is expected to have a half-life greater than 30 days.

ENVIRONMENTAL TOXICITY: LC50/96hr for fish - >100mg/l. Not expected to be toxic to aquatic life.

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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of residue in accordance with federal, state and local guidelines. Offer drums for recycling. Do not reuse empty container. Smaller containers should be rinsed and placed in trash collection
RCRA: Waste solvent likely considered U080, hazardous, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: ORM-D

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT: ORM-D

WATER TRANSPORTATION

PROPER SHIPPING NAME: Dichloromethane, LTD. QTY

HAZARD CLASS: 6.1

ID NUMBER: UN1593

PACKING GROUP: III

LABEL STATEMENTS:

AIR TRANSPORTATION

Call manufacturer

PROPER SHIPPING NAME: Dichloromethane, LTD. QTY

HAZARD CLASS: 6.1

ID NUMBER: UN1593

PACKING GROUP: III

LABEL STATEMENTS: Poison or Toxic Label

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All Chemicals are listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Methyl alcohol - 67-56-1, Methylene chloride - 75-09-2, Toluene - 108-88-3, Ammonium hydroxide – 1336-21-6

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): None

311/312 HAZARD CATEGORIES: Methylene chloride - 75-09-2 – Acute: Yes Chronic: Yes Fire: No Reactivity: No Pressure: No

313 REPORTABLE INGREDIENTS: 2-Butoxy ethanol - 111-76-2, Methyl alcohol - 67-56-1, Methylene chloride - 75-09-2, Toluene - 108-88-3, Ammonium hydroxide – 1336-21-6

STATE REGULATIONS: This product contains chemical(s) METHYLENE CHLORIDE - 75-09-2; TOLUENE - 108-88-3 known to the state of California Proposition 65 to cause birth defects or other reproductive harm and cancer. Pennsylvania Right to Know: METHYLENE CHLORIDE - 75-09-2; METHANOL – 67-56-1

Massachusetts Right to Know: METHYLENE CHLORIDE - 75-09-2

New Jersey Right to Know: METHANOL – 67-56-1

INTERNATIONAL REGULATIONS: Australasian Hazchem Code: 2Z and Inventory Status - yes; Canada Inventory Status - DSL: yes
NDL: No; Korea Inventory Status – Yes;

WHMIS (Canada): Class D-1B material causing immediate and serious toxic effects (toxic). Class D-2A: Material causing other toxic effects (very toxic).

DSCL (EEC): R22 – Harmful if swallowed. R38-irritating to skin. R41- Risk of serious damage to eyes. R45- May cause cancer.

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION:

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