

MATERIAL SAFETY DATA SHEET

Ruthless

FILE NO.: 603000000

MSDS DATE: 01/18/12

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Ruthless
PRODUCT CODES: 6030

PRODUCT USE: Paint and Varnish Remover

MANUFACTURER: QuestVapco Corp.
ADDRESS: P.O. Box 624
Brenham, TX 77834

EMERGENCY PHONE: 1-800-231-0454 x 135
CHEMTEL PHONE: 1-800-255-3924
OTHER CALLS: 1-800-231-0454

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Name</u>	<u>CAS NO.</u>	<u>PEL</u>	<u>TLV</u>
METHYL ALCOHOL	67-56-1	200 ppm	200 ppm
METHYLENE CHLORIDE	75-09-2	25 ppm	50 ppm

SECTION 3: HAZARDS IDENTIFICATION

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

ROUTES OF ENTRY: Inhalation, skin absorption, ingestion, skin and/or eye contact

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

INGESTION: Nausea, vomiting, headaches, abdominal pain, diarrhea, dizziness, tremor, drowsiness, pulmonary edemas, absorption through the gastrointestinal tract may produce symptoms of CNS depression ranging from unconsciousness to 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.

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

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

CHRONIC HEALTH HAZARDS: Possible cancer causing agent and overexposure may also include damage to kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, dermatitis, lungs, blood, 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. If irritation develops seek medical attention.

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.

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6030 Ruthless

FILE NO.: 6030

MSDS DATE: 07/08/10

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, (% BY VOLUME) **UPPER:** N/A **LOWER:** N/A

FLASH POINT (METHOD USED: TCC): **F:** None **C:** None

AUTOIGNITION TEMPERATURE: **F:** 1033 **C:** 556.11

NFPA HAZARD CLASSIFICATION

HEALTH: 2 **FLAMMABILITY:** 1 **REACTIVITY:** 0 **OTHER:**

HMIS HAZARD CLASSIFICATION

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

EXTINGUISHING MEDIA: Foam, dry chemical, and CO2.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and NIOSH approved SCBA with full face piece operated in positive pressure or pressure demand. Use water mist to keep containers cool in fire situations.

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

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

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.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Do not use or store near heat or open flame. Store in cool dry place. Follow all label instructions. Vapors may accumulate in low lying areas.

OTHER PRECAUTIONS: Use gloves, lab coat or apron, splash goggles, and use a vapor respirator approved/certified respirator or equivalent when ventilation is not adequate.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION: Material is flammable and heavier than air. Material may concentrate in low lying areas. Normal, forced ventilation required to meet TLV requirements. Local exhaust ventilation is generally preferred. Provide sufficient mechanical general and/or local exhaust for ventilation and maintain exposure below TLVs.

RESPIRATORY PROTECTION: Use only in well ventilated areas. If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.

PROTECTIVE CLOTHING: Safety glasses are always recommended when using chemicals. Impervious gloves such as neoprene, recommended flourosilicone or a flouro elastomer (solvex) can be used. Long sleeve clothing to cover skin if desired.

ADDITIONAL MEASURES: Wash hands after use.

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

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Viscous, hazy liquid.

ODOR: Strong chlorinated solvent odor

PHYSICAL STATE: Liquid

pH AS SUPPLIED: N/A

BOILING POINT: F: >104 C: 40

MELTING POINT: F: Not tested C:

VAPOR PRESSURE (mmHg): >100 @ F: 77 C: 25

VAPOR DENSITY (AIR = 1): >1 @ F: 77 C: 25

SPECIFIC GRAVITY (H2O = 1): 1.20 @ F: 77 C: 25

EVAPORATION RATE (Butyl Acetate =1): >2

SOLUBILITY IN WATER: 17.00%

PERCENT VOLATILE: 97.3% BY WT/ BY VOL @ F: 77 C: 25

VISCOSITY: 77 cps @ 60 rpm F: 77 C: 25

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE xx UNSTABLE

CONDITIONS TO AVOID (STABILITY): Hot Surfaces, heat, flame, and sources of ignition.

INCOMPATIBILITY: Strong oxidizers, caustics & alkalis; chemically-active metals such as barium, lithium, sodium, potassium, magnesium, titanium & beryllium, concentrated nitric acid, some plastics, rubbers, and coatings.

HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Oxides of carbon, Hydrogen Chloride, and Phosgene.

HAZARDOUS POLYMERIZATION: None

CONDITIONS TO AVOID (POLYMERIZATION): None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Methylene Chloride - 75-09-2: Oral LD50 1600 mg/kg (Rat); Inhalation LC50 52 gm/m3 (Rat). Reproductive Toxicity: Has been linked to spontaneous abortions in humans.

Methanol – 67-56-1: Oral LD50 1000 mg/kg (Man); Dermal LD50 20000 mg/kg (Rabbit).

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, State and Federal regulations. 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).

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SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: ORM-D

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: Call manufacturer

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

AIR TRANSPORTATION

Call manufacturer

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

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

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, & LIABILITY ACT): METHYLENE CHLORIDE, 75-09-2, METHANOL, 67-56-1

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

311/312 HAZARD CATEGORIES: METHYLENE CHLORIDE - 75-09-2; hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200), METHANOL – 67-56-1

313 REPORTABLE INGREDIENTS: METHYLENE CHLORIDE - 75-09-2

STATE REGULATIONS: California Prop 65: This product contains the following ingredients for which the state of California has found to cause cancer, birth defects or other reproductive harm.: METHYLENE CHLORIDE - 75-09-2

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: 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

PREPARED BY: Juanita Mercure

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