

MATERIAL SAFETY DATA SHEET

Blowout

FILE NO.: 5980

MSDS DATE: 02/01/12

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Blowout
MANUFACTURER: QuestVapco Corporation
ADDRESS: P.O. Box 624
Brenham, TX 77834

PRODUCT CODES: 5980
EMERGENCY PHONE: 1-800-231-0454
CHEMTEL PHONE: 1-800-255-3924
OTHER CALLS: 1-800-231-0454

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:	CAS NO.	PEL	TLV
2-BUTOXY ETHANOL	111-76-2	50 ppm	20 ppm
METHYLENE CHLORIDE	75-09-2	25 ppm	50 ppm
CARBON DIOXIDE	124-38-9	5000 ppm	5000 ppm

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Aerosol under pressure do not expose to high temperatures or store in direct sunlight. Pressure can cause can to burst. 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. **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 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) 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: 3

FLAMMABILITY: 0

REACTIVITY: 1

OTHER:

HMIS HAZARD CLASSIFICATION: HEALTH: 3

FLAMMABILITY: 0

REACTIVITY: 1

PROTECTION: H

EXTINGUISHING MEDIA: Foam, dry chemical, and CO2.

SPECIAL FIRE FIGHTING PROCEDURES: Wear Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fire fighting.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May develop a flammable atmosphere in confined areas. Contents under pressure. Exposure to temperatures above 120 F may cause bursting.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: 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. Do not reuse empty container. Do not puncture or incinerate container. Wrap container and place in trash

MATERIAL SAFETY DATA SHEET

Blowout

FILE NO.: 5980

MSDS DATE: 02/01/12

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Do not use or store near heat or open flame. Exposure to temperatures above 120 F may cause bursting. Use with adequate ventilation. Store in accordance with NFPA, state and local regulations.

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: 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, 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.

WORK HYGIENIC PRACTICES: Wash hands after use.

EXPOSURE GUIDELINES: Methylene Chloride - 75-09-2 - TWA: 25 ppm TWA (8 hr); 125 ppm STEL (15 min); 12.5 ppm Action Level (See 29 CFR 1910.1052) from ACGIH (TLV) [United States] TWA: 50 ppm from NIOSH 2300 ppm IDLH.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear yellow liquid.

pH AS SUPPLIED: N/A

VAPOR PRESSURE (psig): 90 @ F: 77 C: 25

SPECIFIC GRAVITY (H₂O = 1): 1.30 @ F: 77 C: 25

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

ODOR: Chlorinated sweet odor

SOLUBILITY IN WATER: 0%

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

EVAPORATION RATE (Butyl Acetate =1): >1

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Hot Surfaces.

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): N/A

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.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Methylene Chloride - 75-09-2 - Fish: Bluegill/Sunfish: 230mg/L; 24H; StaticFish: Fathead Minnow: 196mg/L; 96H; has a moderate potential to affect some aquatic organisms. It is resistant to biodegradation, has low potential to persist in the aquatic environment. 96-hr. EC50 (loss of equilibrium); Fathead minnow: 99mg/L; 96-hr. EC10: 66.3 mg/L. Bluegill sunfish: 96-hr. LC50=220 mg/L; Water flea: 24-hr. LC50=2270 mg/L; No observed effect level:1550 mg/L. Environmental: Expected to evaporate from surface soil into the atmosphere; expected to leach. Aquatic: Primarily lost by evaporation to atmosphere which should take several hours depending on wind and mixing conditions. Atmospheric: Will degrade by reaction with hydroxyl radicals with a half life of several months. Dichloromethane is reported to completely biodegrade under aerobic conditions with sewage seed or activated sludge between 6 hours to 7 days. Not expected to bioconcentrate due to its low octanol/water coefficient.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, State and Federal regulations. Do not puncture, incinerate, or reuse container.

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

MATERIAL SAFETY DATA SHEET

Blowout

FILE NO.: 5980

MSDS DATE: 02/01/12

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION**PROPER SHIPPING NAME:** ORM-D**HAZARD CLASS:****PACKING GROUP:****ID NUMBER:****LABEL STATEMENT:****WATER TRANSPORTATION****PROPER SHIPPING NAME:** Call manufacturer**HAZARD CLASS:****PACKING GROUP:****ID NUMBER:****LABEL STATEMENTS:****AIR TRANSPORTATION**

Call manufacturer

PROPER SHIPPING NAME:**HAZARD CLASS:****PACKING GROUP:****ID NUMBER:****LABEL STATEMENTS:**

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS**TSCA (TOXIC SUBSTANCE CONTROL ACT):** All Chemicals are listed**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Methylene Chloride - 75-09-2;**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) Acute, chronic**313 REPORTABLE INGREDIENTS:** Methylene Chloride - 75-09-2**Clean Air Act:** Methylene Chloride - 75-09-2 is listed as a hazardous air pollutant (HAP). This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.**Clean Water Act:** Methylene Chloride - 75-09-2 is listed as a Priority Pollutant under the Clean Water Act. CAS# 75-09-2 is listed as a Toxic Pollutant under the Clean Water Act. None of the chemicals in this product are listed as Hazardous Substances under the CWA.**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

Methylene Chloride - 75-09-2 - Right-to-Know acts for New York, Rhode Island, Pennsylvania, Florida, Minnesota, Massachusetts, Michigan, New Jersey, Tennessee; Spill Reporting for Massachusetts, New Jersey, Louisiana; Connecticut hazardous material survey; Illinois toxic substances disclosure to employee act

INTERNATIONAL REGULATIONS: The components of this product are listed on the chemical inventories of the following countries:Australia – Hazchem. code 2Z, Poison Schedule S5, China, Europe (EINECS), Japan, Korea, Philippines, Canada. **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**DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate. However there is no assumption of any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this MSDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this MSDS shall be created or inferred by any statement in this MSDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.