

200 Yellow Place · Rockledge, FL 32955

PH: (321) 631-3550 · FAX: (321) 631-3552

E-mail: info@mainstream-engr.com

MATERIAL SAFETY DATA SHEET

PREPARATION DATE: 09/29/2006
REVISION DATE: 09/29/2006 REV. 0

SECTION 1 - PRODUCT & COMPANY INFORMATION

PRODUCT NAME: QwikTreat Porous Duct Sealant
PRODUCT NO.: QT2410
DESCRIPTION: Duct Sealant
USE: To seal interior duct surfaces to prevent mold growth.

SUPPLIER: Mainstream Engineering Corp.
200 Yellow Place
Rockledge, Florida 32955

INFORMATION TELEPHONE: 321-631-3550
EMERGENCY TELEPHONE: 800-424-9300

SECTION 2 - PRODUCT COMPOSITION INFORMATION

COMPONENT	CAS NUMBER	% BY WEIGHT
butyl benzyl phthalate	85-68-7	0.1 - 1.0
ethyl benzene	100-41-4	1 - 5
naphthalene	91-20-3	< 1
toluene	108-88-3	5 - 10
xylene (mixed isomers)	1330-20-7	5 - 10

Hazardous components are listed when present at 1.0% or greater. Carcinogens are listed when present at 0.1% or greater.

SECTION 3 - HAZARDS IDENTIFICATION

Primary Routes of Entry: Ingestion (possible, but considered unlikely), eye contact, skin contact, inhalation.

Eye Hazards: Causes eye irritation.

Skin Hazards: Causes skin irritation. It may cause an allergic reaction.

Ingestion Hazards: This is an aerosol product, ingestion is unlikely to occur. Contains petroleum distillate, harmful if swallowed. If accidentally swallowed, do not induce vomiting. Call physician immediately.

Inhalation Hazards: Deliberate inhalation of concentrate vapor or mist may cause headache, dizziness and nausea.

Chronic/Carcinogenicity Effects: Toluene and xylene have been associated with kidney and liver disorders. Contains ethylbenzene. IARC has evaluated and classified ethylbenzene as a possible human carcinogen (group 2B) based on sufficient evidence of carcinogenicity in animals, but inadequate evidence for cancer in exposed humans. This product contains naphthalene (from heavy aromatic naphtha). California's Proposition

65: "Warning: This product contains chemicals known to the State of California to cause cancer."

Teratogenicity (Birth Defects): California's Proposition 65: "Warning" This product contains butyl benzyl phthalate and toluene, chemicals known to the State of California to cause birth defects or other reproductive harm."

Reproductive Effects: Suspect reproductive hazard. Contains material which may cause birth defects, based on animal data. This product contains butyl benzyl phthalate and toluene.

Neurotoxicity: Not known.

Mutagenicity (Genetic Effect): Not known.

Signs and Symptoms: Acute: Prolonged inhalation of vapor or mist may cause headache, dizziness and nausea. Prolonged contact with the skin causes irritation. Irritant to eyes.

Conditions Aggravated By Exposure: Pre-existing skin, respiratory, liver and kidney disorders.

Conditions Aggravated By Overexposure: Pre-existing skin, respiratory, liver and kidney disorders.

SECTION 4 - FIRST AID PROCEDURES

Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin: Wash skin with soap and water. If irritation develops, consult a physician.

Ingestion: Ingestion from an aerosol product is unlikely to occur. Contains petroleum distillates. Harmful if swallowed. If accidentally swallowed, do not induce vomiting, call physician immediately.

Inhalation: If overcome by vapor move victim to fresh air. If person is not breathing, call 911 or an ambulance, then provide artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Not available.

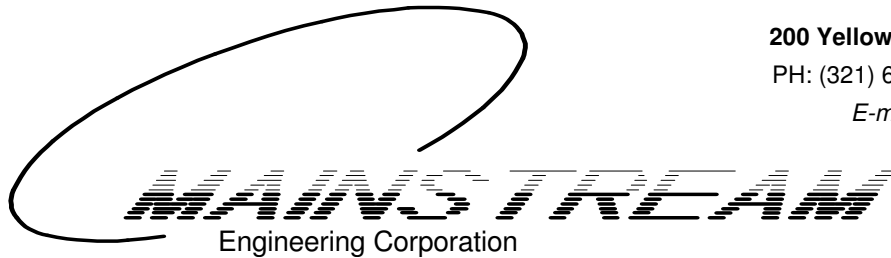
Lower Explosion Limit: Not available.

Upper Explosion Limit: Not available.

Fire and Explosion Hazards: This product is an aerosol product for which **Flame Projection is over 18 in., with flashback.** Temperatures above 120°F may cause cans to burst.

Extinguishing Media: Use CO₂ (carbon dioxide), dry chemical, or water fog.

Fire Fighting Instructions: Water spray may be used to cool cans in the vicinity of fire or excessive heat.



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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

SECTION 7 – HANDLING AND STORAGE

Handling and Storage Precautions: Handle as an extremely flammable material. Store in a cool, dry place away from heat and open flame.

Handling Precautions: Avoid getting spray into eyes. Keep out of reach of children.

Storage Precautions: Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, and static electricity).

Aerosol Storage Level: Level III (NFPA-30B).

Work/Hygienic Practices: Wash hands thoroughly after using this product.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use with adequate general or local exhaust ventilation.

Eye/Face Protection: Conventional eyeglasses to guard against splashing.

Skin Protection: Rubber, vinyl or household type gloves.

Respiratory Protection: Use in well-ventilated area ONLY.

NOTICE: Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. To avoid breathing vapor or spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or use an appropriate, properly fitted respirator (NIOSH approved), or leave the area. NOTE: Follow respirator manufacturer's instructions carefully.

Ingredients(s) – Exposure Limits

Acetone: ACGIH TLV-STEL 750 ppm; ACGIH TLV-TWA 500 ppm; OSHA PEL-TWA 1000 ppm

Butane: ACGIH TLV-TWA 800 ppm

Butyl Acetate: ACGIH-TLV-STEL 200 ppm; ACGIH TLV-TWA 150 ppm, OSHA PEL-TWA 150 ppm

Ethyl Benzene: ACGIH TLV-STEL 125 ppm (Notice of Intended Change); ACGIH TLV-TWA 100 ppm (Notice of Intended Change); OSHA PEL-TWA 100 ppm

Heavy Aromatic Naphtha: OSHA PEL 100 ppm

Naphthalene: ACGIH TLV-STEL 15 ppm; ACGIH TLV-TWA 10 ppm; OSHA PEL-TWA 10 ppm

Propane: ACGIH TLV-TWA 2500 ppm; OSHA PEL-TWA 1000 ppm

Toluene: ACGIH TLV-TWA 50 ppm (skin); OSHA PEL-CEILING 300 ppm; OSHA PEL-PEAK 500 ppm; OSHA PEL-TWA 200 ppm

Xylene (Mixed Isomers): ACGIH TLV-STEL 150 ppm; ACGIH-TVL-TWA 100 ppm; OSHA PEL-TWA 100 ppm

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Appearance of paint.

Odor: Paint odor.

Chemical Type: Mixture

Physical State: Liquid

Melting Point: Not applicable

Boiling Point: Acetone 113°F (56°C)

Specific Gravity: 0.886

Percent VOCs: 56.64

Solubility: Insoluble

Evaporation Rate: Faster than butyl acetate.

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid (Stability): Temperatures above 120°F

Incompatible Materials: Avoid heat, open flame and contact with acids, alkalis, and strong oxidizers.

Hazardous Decomposition Products: Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

Conditions to Avoid (Polymerization): Temperatures above 120°F

SECTION 11 – TOXICOLOGICAL INFORMATION

Ingredients – Carcinogenicity:

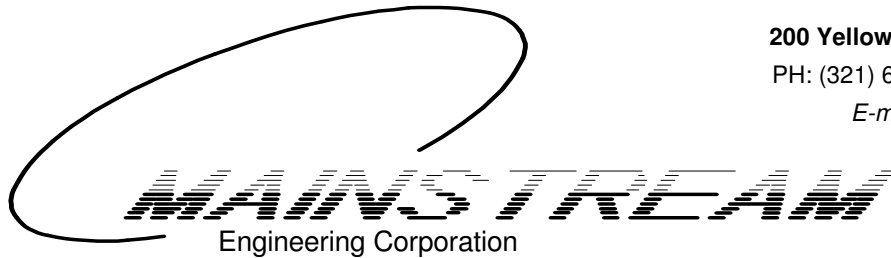
Ethyl Benzene: Listed in the IARC Monographs

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicological Information: No specific ecological data is available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

SECTION 13 – DISPOSAL CONSIDERATIONS

Do not puncture or incinerate container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions.



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SECTION 14 – TRANSPORT INFORMATION

Proper Shipping Name: ORM-D Consumer Commodity

Hazard Class: 2.1

DOT Identification Number: UN1950

DOT Shipping Label: Aerosol Consumer Commodity

SECTION 15 – REGULATORY INFORMATION

U.S. Regulatory Information: All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes: Acute Health Hazard; Chronic Health Hazard; Fire Hazard

SARA Section 313 Notification: This product contains the following toxic chemicals (above the *de minimis* level) subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372. This information must be included in all MSDSs that are copied or distributed for this material. Ethyl benzene, naphthalene, toluene, and xylene. See Section 2 for percent amounts in this product.

Ingredient(s) – U.S. Regulatory Information

Ethyl Benzene: SARA Title II – Section 313 Form “R”/TRI Reportable Chemical; SARA – Acute Health Hazard; SARA – Chronic Health Hazard; SARA – Fire Hazard

Naphthalene: : SARA Title II – Section 313 Form “R”/TRI Reportable Chemical; SARA – Acute Health Hazard; SARA – Chronic Health Hazard; SARA – Fire Hazard

Toluene: : SARA Title II – Section 313 Form “R”/TRI Reportable Chemical; SARA – Acute Health Hazard; SARA – Chronic Health Hazard; SARA – Fire Hazard

Xylene (Mixed Isomers): : SARA Title II – Section 313 Form “R”/TRI Reportable Chemical; SARA – Acute Health Hazard; SARA – Chronic Health Hazard; SARA – Fire Hazard

Ingredient(s) – State Regulations

Acetone: New Jersey – Workplace Hazard; Pennsylvania – Workplace Hazard; Massachusetts – Hazardous Substance; New York City – Hazardous Substance

Butane: New Jersey – Workplace Hazard; New Jersey – Environmental Hazard; New Jersey – Special Hazard; Pennsylvania – Workplace Hazard; Massachusetts – Hazardous Substance; New York City – Hazardous Substance

Butyl Acetate: New Jersey – Workplace Hazard; New Jersey – Special Hazard; Pennsylvania – Workplace Hazard; Pennsylvania – Environmental Hazard; Massachusetts – Hazardous Substance; New York City – Hazardous Substance

Butyl Benzyl Phthalate: New Jersey – Workplace Hazard; New Jersey – Environmental Hazard; Pennsylvania –

Workplace Hazard; Pennsylvania – Environmental Hazard; New York City – Hazardous Substance

Ethyl Benzene: New Jersey – Workplace Hazard; New Jersey – Environmental Hazard; New Jersey – Special Hazard; Pennsylvania – Workplace Hazard; Pennsylvania – Environmental Hazard; Massachusetts – Hazardous Substance; New York City – Hazardous Substance

Naphthalene: New Jersey – Workplace Hazard; New Jersey – Environmental Hazard; Pennsylvania – Workplace Hazard; Pennsylvania – Environmental Hazard; Massachusetts – Hazardous Substance; New York City – Hazardous Substance

Propane: New Jersey – Workplace Hazard; New Jersey – Environmental Hazard; New Jersey – Special Hazard; Pennsylvania – Workplace Hazard; Massachusetts – Hazardous Substance; New York City – Hazardous Substance

Toluene: New Jersey – Workplace Hazard; New Jersey – Environmental Hazard; New Jersey – Special Hazard; Pennsylvania – Workplace Hazard; Pennsylvania – Environmental Hazard; California – Proposition 65; Massachusetts – Hazardous Substance; New York City – Hazardous Substance

Xylene (Mixed Isomers): New Jersey – Workplace Hazard; New Jersey – Environmental Hazard; New Jersey – Special Hazard; Pennsylvania – Workplace Hazard; Pennsylvania – Environmental Hazard; Massachusetts – Hazardous Substance; New York City – Hazardous Substance

NFPA:

Health: 2
Flammability: 4
Reactivity: 1
Personal Protection: NA

HMIS:

Health: 2
Flammability: 4
Reactivity: 1
Personal Protection: B

SECTION 16 – OTHER INFORMATION

The information contained herein is believed to be accurate and is offered in good faith. The above information is, in part, based on material safety data sheets supplied by the vendors of the raw materials used in this product. Because product use is beyond our control, no warranty is given, expressed, or implied. Mainstream Engineering Corporation cannot assume any liability for the use of information contained herein or from damage resulting from handling or contact with the above product. To determine applicability or effect of any law or regulation with respect to the product, users should consult a legal advisor or appropriate governmental agency.