

Material Safety Data Sheet

Detect

QuestVapco Corporation
P.O. Box 624
Brenham, TX 77834
Emergency Phone Number: (800) 231-0454

DATE PREPARED: 11/15/2013
REVISION DATE: 11/15/2013
CHEM-TEL: 800-225-3924
PRODUCT NUMBER: 8230

SECTION I - IDENTIFICATION

PRODUCT NAME: Detect

PRODUCT CODE: 8230

PRODUCT USE: Battery acid cleaner

SECTION II - COMPOSITION/HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	OSHA PEL	ACGIH TLV
2-Butoxyethanol	111-76-2	50 ppm	20 ppm
Propane/n-Butane	68476-86-8	1000 ppm	1000 ppm
Isopropyl Alcohol	67-63-0	500 ppm	400 ppm

SECTION III - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: CAUTION: Contents under pressure

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Causes mild irritation.

INGESTION: May cause gastrointestinal irritation, abdominal cramps.

INHALATION: Irritant. Avoid breathing spray mist. May cause irritation to respiratory tract.

SKIN: May cause mild irritation, dryness with prolonged or repeated contact.

MEDICAL CONDITION AGGRAVATED: None known

CHRONIC HEALTH HAZARDS: None known

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION IV - FIRST AID MEASURES

EYES: Remove contact lenses. Flush with water for at least 15 minutes. See a physician if irritation persists.

INGESTION: Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Drink large quantities (1 qt, 2-4 glasses) of warm water. Seek immediate medical attention.

INHALATION: Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.

SKIN: Wash thoroughly with soap and water. Seek medical attention if irritation develops.

NOTE TO PHYSICIAN: None

SECTION V - FIRE-FIGHTING MEASURES

FLASH POINT: Not Tested (Liquid is Water Based)

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

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, water spray for cooling.

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. Avoid breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

HAZARDOUS COMBUSTION PRODUCTS: Not determined

SECTION VI - ACCIDENTAL RELEASE MEASURES

SPILL: Absorb spill with non-combustible material such as vermiculite, sand or earth.

Material Safety Data Sheet

Detect

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

RCRA STATUS: Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

OTHER PRECAUTIONS: Keep out of the reach of children. Follow label instructions exactly.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION: General ventilation and local exhaust recommended.

RESPIRATORY PROTECTION: Not required under normal use. If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.

PROTECTIVE CLOTHING: Safety glasses and chemical resistant gloves are recommended.

ADDITIONAL MEASURES: Wash hands thoroughly after use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White Foam

PHYSICAL STATE: Liquid

FREEZING POINT: < 32°F (0°C)

VAPOR DENSITY (AIR=1): < 1

SPECIFIC GRAVITY (H₂O=1): 1.00 @ 77° F (25° C)

SOLIDS (%): Not tested

VOLATILITY INCLUDING WATER (%): > 80%

DIELECTRIC STRENGTH (Volts): N/A

ODOR: Slight Ammonia odor

BOILING POINT: > 212°F (100°C)

VAPOR PRESSURE (mm Hg): 17.5 @ 77°F (25°C)

EVAPORATION RATE: < 1

pH: 10.8

SOLUBILITY IN WATER: 100%

VOLATILE ORGANIC COMPOUNDS (VOC): 16%

SECTION X – STABILITY AND REACTIVITY DATA

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Temperatures greater than 120°F and sources of ignition.

INCOMPATIBILITY: Strong acids, strong alkalis, strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Oxides of carbon

HAZARDOUS POLYMERIZATION: Will not occur

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: 2-Butoxyethanol (111-76-2) LD₅₀ (Oral, Rat) 470 mg/kg; LC₅₀ (Inhalation, Rat, 4hr) 450 ppm; LD₅₀ (Dermal, Rabbit) 220 mg/kg Isopropyl Alcohol (67-63-0) LD₅₀ (Oral,Rat) 5045 mg/kg; LD₅₀ (Oral, Rabbit) 5045 mg/kg; LD₅₀ (Dermal, Rabbit) 12,800 mg/kg; LC₅₀ (Inhalation, Rat, 8hr) 16,000 ppm

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Isopropyl Alcohol (67-63-0) LC₅₀ (Fathead Minnow, 96 hrs) 100,000 mg/L

SECTION XIII – DISPOSAL CONSIDERATIONS

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

RCRA STATUS: Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

Material Safety Data Sheet

Detect

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Consumer commodity; ORM-D
HAZARD CLASS/DIVISION: 2.1
PACKAGING GROUP: II

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, Non-Flammable
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN 1950
PACKAGING GROUP: II

SHIPPING BY WATER:

VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: Aerosols, Non-Flammable
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN 1950
PACKAGING GROUP: II

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None

SARA 313 REPORTABLE INGREDIENTS: 2-Butoxyethanol (111-76-2)

CLEAN WATER ACT: None

STATE REGULATIONS: California Proposition 65: None

INTERNATIONAL REGULATIONS: 2-Butoxyethanol (111-76-2) Europe (EINECS), Japan (ENCS), Australia (AICS), WHMIS (Canada), DSCL (EEC), NDSL, Korea (ECL), Philippines (PICCS), New Zealand (NZIOC), China (IECS).

NFPA HEALTH: 1
NFPA FLAMMABILITY: 1
NFPA REACTIVITY: 1
NFPA OTHER:

HMIS HEALTH: 1
HMIS FLAMMABILITY: 1
HMIS REACTIVITY: 1
HMIS PROTECTION: A

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Jonathon Jarvis

DISCLAIMER: To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability 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 or 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.