

**Safety Data Sheet**  
HD-50

**SECTION I - IDENTIFICATION**

**PRODUCT NAME:** HD-50  
**PRODUCT CODE:** 6120  
**PRODUCT USE:** Synthetic Cutting Flood and Coolant  
**COMPANY NAME:** QuestSpecialty Corporation  
**COMPANY ADDRESS:** PO Box 624 Brenham, TX 77834  
**COMPANY PHONE:** 1-800-231-0454  
**EMERGENCY PHONE:** 800-255-3924

**SECTION II – HAZARDS IDENTIFICATION**

**CLASSIFICATION:** Eye Irritant: Category 2b  
**HAZARD STATEMENT(S): WARNING:** Causes eye irritation.  
This product contains the following percentage of chemicals of unknown toxicity: 7%  
**PRECAUTIONARY STATEMENTS:** Wash hands thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.  
**SYMBOL:** N/A  
**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

**SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS**

<b>HAZARDOUS INGREDIENT</b>	<b>CAS NUMBER</b>	<b>PERCENT</b>
Triethanolamine	102-71-6	3-7%
MEA Borate	68586-07-2	1-5%
Boric Acid Granular	10043-35-3	1-5%

**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. Seek medical attention if irritation persists.  
**INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.  
**SKIN:** Immediately wash with soap and warm water for 15 minutes.  
**ACUTE HEALTH HAZARDS:** None Known  
**CHRONIC HEALTH HAZARDS:** None known  
**NOTE TO PHYSICIAN:** There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

**SECTION V – FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Use appropriate media for surrounding fire.  
**UNSUITABLE EXTINGUISHING MEDIA:** N/A  
**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.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N/A  
**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, nitrogen.

**SECTION VI – ACCIDENTAL RELEASE MEASURES**

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.  
**SPILL:** Soak up with a non-combustible material like vermiculite, sand or earth.  
**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling.

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**RCRA STATUS:** Waste likely considered Non-hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

## SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Store in a cool, dry area, keep containers tightly closed. Keep out of reach of children and do not store near food, drink, or animal food.

**OTHER PRECAUTIONS:** None

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

## SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Triethanolamine	Not Estab.	5mg/m <sup>3</sup>
MEA Borate	Not Estab.	Not Estab.
Boric Acid Granular	Not Established	Not Established

**ENGINEERING CONTROLS / VENTILATION:** N/A

**RESPIRATORY PROTECTION:** Not required with adequate ventilation

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses

**ADDITIONAL MEASURES:** Wash hands thoroughly after handling.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Blue Colored Liquid

**ODOR:** Characteristic Odor

**ODOR THRESHOLD:** N/D

**BOILING POINT:** > 212°F (100°C)

**FREEZING POINT:** N/D

**FLAMMABILITY:** Not considered a flammable liquid by OSHA (29CFR 1910.1200)

**FLASH POINT:** N/D

**AUTOIGNITION TEMPERATURE:** N/D

**LOWER FLAMMABILITY LIMIT:** N/D

**UPPER FLAMMABILITY LIMIT:** N/D

**VAPOR PRESSURE (mm Hg):** 760

**VAPOR DENSITY (AIR=1):** 1

**EVAPORATION RATE:** < 1

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.040

**pH:** 10.25

**SOLIDS (%):** N/D

**SOLUBILITY IN WATER:** 100%

**PARTITION COEFFICIENT: n-OCTANOL/WATER (K<sub>ow</sub>):** N/D

**VOLATILITY INCLUDING WATER (%):** 96.8%

**VOLATILE ORGANIC COMPOUNDS (VOC):** 0%

**DIELECTRIC STRENGTH (Volts):** N/A

**DECOMPOSITION TEMPERATURE:** N/D

**VISCOSITY:** N/A

## SECTION X – STABILITY AND REACTIVITY DATA

**REACTIVITY:** Nitrogenous acids, and other compounds with reactive nitrate groups.

**CHEMICAL STABILITY:** Stable

**CONDITIONS TO AVOID:** None known

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

**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Oxides of Carbon and Nitrogen.

**POSSIBLE HAZARDOUS REACTIONS:** None Known

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## SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** Not Established

**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin

**EYES:** May cause irritation.

**INGESTION:** Causes gastrointestinal irritation.

**INHALATION:** Causes mild irritation to the respiratory tract.

**SKIN:** May cause irritation.

**MEDICAL CONDITION AGGRAVATED:** None known

**ACUTE HEALTH HAZARDS:** None Known

**CHRONIC HEALTH HAZARDS:** None known

**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

## SECTION XII – ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** Triethanolamine (102-71-6) LC<sub>50</sub> (Fish, 96hr) 11800 mg/L

**BIODEGRADABILITY:** This product is biodegradable.

**BIOACCUMULATION:** This product will not bioaccumulate.

**SOIL MOBILITY:** This product is mobile in soil.

**OTHER ECOLOGICAL HAZARDS:** None Known

## SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling.

**RCRA STATUS:** Waste likely considered Non-hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

## SECTION XIV - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** Liquid Coolant, N.O.S.

**HAZARD CLASS/DIVISION:** None

**UN/NA NUMBER:** N/A

**PACKAGING GROUP:** None

### AIR SHIPMENT

**PROPER SHIPPING NAME:** Liquid Coolant, N.O.S.

**HAZARD CLASS/DIVISION:** None

**UN/NA NUMBER:** N/A

### SHIPPING BY WATER:

#### VESSEL (IMO/IMDG)

**PROPER SHIPPING NAME:** Liquid Coolant, N.O.S.

**HAZARD CLASS/DIVISION:** None

**UN/NA NUMBER:** N/A

**ENVIRONMENTAL HAZARDS WATER:** N/A

## SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:** All Chemicals are listed or exempt.

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

**SARA 311/312 HAZARD CATEGORIES:** None

**SARA 313 REPORTABLE INGREDIENTS:** None

**STATE REGULATIONS:** California Proposition 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm: Diethanolamine.

**INTERNATIONAL REGULATIONS:** All components are listed or exempted.

**NFPA HEALTH:** 1

**HMIS HEALTH:** 1

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**NFPA FLAMMABILITY:** 0  
**NFPA REACTIVITY:** 0  
**NFPA OTHER:** None

**HMIS FLAMMABILITY:** 0  
**HMIS REACTIVITY:** 0  
**HMIS PROTECTION:** A

### SECTION XVI - ADDITIONAL INFORMATION

**PREPARATION BY:** Jonathon Jarvis

**DATE PREPARED:** 7/18/2013

**REVISION DATE:** 08/20/2015

N/A = Not Applicable; N/D = Not Determined

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