

FUEL QUALITY SERVICES, INC. -- LTSA-35A

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MSDS Safety Information
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FSC: 6850
NIIN: 01-167-4789
MSDS Date: 03/11/1999
MSDS Num: CLDNQ
Product ID: LTSA-35A
MFN: 01
Responsible Party
Cage: 40161
Name: FUEL QUALITY SERVICES, INC.
Address: 4584 CANTRELL ROAD
Box: 1380
City: FLOWERY BRANCH
GA 30542
Info Phone Number: (800) 827-9790 - (770) 967-9790
Emergency Phone Number: 800-424-9300
Resp. Party Other MSDS No.: LTSA35-A
Chemtrec IND/Phone: (800)424-9300
Proprietary Ind: Y
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 40161
Name: FUEL QUALITY SERVICES, INC.
Address: 4584 CANTRELL ROAD
Box: 1380
City: FLOWERY BRANCH GA 30542
Phone: (800) 827-9790 - (770) 967-9790
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Contract Number: SP0450-01-M-ZC64

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Item Description Information
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Item Manager: S9G
Item Name: STABILIZER ADDITIVE, DIESEL FUEL
Specification Number: MIL-S-53021A
Type/Grade/Class: TYPE II
Unit of Issue: CN
Quantitative Expression: 00000000005GL
UI Container Qty: 0
Type of Container: CAN

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: YES

IARC: YES

OSHA: YES

Effects of Exposure: HIGHER EXPOSURE MAY LEAD TO CARDIAC STRESS, ANEMIA AND OTHER BLOOD CHANGES, RESPIRATORY EFFECTS, POSSIBLE LIVER AND KIDNEY DAMAGE; OR FATALITY FROM

GROSS OVEREXPOSURE. OVER EXPOSURE TO XYLENE BY INHALATION MAY INCLUDE NONSPECIFIC DISCOMFORT, SUCH AS NAUSEA, HEADACHE, OR WEAKNESS; TEMPORARY NERVOUS SYSTEM DEPRESSION WITH ANESTHETIC EFFECTS SUCH AS DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION, AND LOSS OF CONSCIOUSNESS.

Explanation Of Carcinogenicity: BENZENE IS LISTED BY IARC, NTP, OSHA AND ACGIH AS A CARCINOGEN.

Signs And Symptions Of Overexposure: HIGHER EXPOSURE MAY LEAD TO CARDIAC STRESS, ANEMIA AND OTHER BLOOD CHANGES, RESPIRATORY EFFECTS, POSSIBLE LIVER

AND KIDNEY DAMAGE; OR FATALITY FROM GROSS OVEREXPOSURE. OVER EXPOSURE TO XYLENE BY INHALATION MAY INCLUDE NONSPECIFIC DISCOMFORT, SUCH AS NAUSEA, HEADACHE, OR WEAKNESS; TEMPORARY NERVOUS SYSTEM DEPRESSION WITH ANESTHETIC EFFECTS SUCH AS DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION, AND LOSS OF CONSCIOUSNESS.

First Aid: ORAL: IF SWALLOWED, DO NOT INDUCE VOMITING. IF CONSCIOUS, IMMEDIATELY GIVE 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN

UNCONSCIOUS PERSON. CALL PHYSICIAN. EYE: FLUSH EYES IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CALL PHYSICIAN. SKIN: IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. CALL PHYSICIAN. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL PHYSICIAN. ACTIVATED CHARCOAL MIXTURE MAY BE ADMINISTERED.

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Handling and Disposal
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Spill Release Procedures: SOAK UP WITH SAWDUST, SAND, OIL DRY, OR OTHER ABSORBENT MATERIAL. THIS MATERIAL IS AN ICR (IGNITABLE, CORROSIVE, REACTIVE) SUBSTANCE UNDER CERCLA. UNLESS RELEASED MATERIAL IS IMMEDIATELY CLEANED UP FOR REPROCESSING, RECYCLING, OR REUSE, A RELEASE OF 100 LBS MAY TRIGGER THE REPORTING REQUIREMENTS OF CERCLA SECTION 103.

Waste Disposal

Methods: TREATMENT, STORAGE, TRANSPORTATION, AND DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE/PROVINCIAL, AND LOCAL REQUIREMENTS. THIS MATERIAL MAY BE A RCRA REGULATED HAZARDOUS WASTE UPON DISPOSAL DUE TO THE IGNITABILITY CHARACTERISTICS.

Handling And Storage Precautions: KEEP AWAY FROM HEAT, SPARKS, AND FLAMES. STORE IN WELL-VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. STORE IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION RECOMMENDATION

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Other Precautions: DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. AVOID BREATHING VAPORS OR MIST. WASH THOROUGHLY AFTER HANDLING.

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Fire and Explosion Hazard Information
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Flash Point Method: PMCC

Flash Point: =49.4C, 121.F

Extinguishing Media: CO2, DRY CHEMICAL, WATER SPRAY.

Fire Fighting Procedures: EVACUATE PERSONNEL TO A SAFE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE EQUIPMENT.

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Control Measures
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Respiratory Protection: WHERE THERE IS POTENTIAL FOR AIRBORNE EXPOSURES, WEAR NIOSH/MSHA APPROVED RESPIRATORY PROTECTION.

Ventilation: USE ONLY WITH ADEQUATE VENTILATION. KEEP CONTAINER TIGHTLY CLOSED.

Protective Gloves: IMPERVIOUS GLOVES

Eye Protection: CHEMICAL SPLASH GOGGLES OR SAFETY GLASSES

Other Protective Equipment: WHERE THERE IS POTENTIAL FOR SKIN CONTACT HAVE

AVAILABLE AND WEAR AS APPROPRIATE, IMPERVIOUS GLOVES, APRONS, PANTS, AND JACKET.

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Physical/Chemical Properties
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HCC: D4

Boiling Point: =140.C, 284.F

Melt/Freeze Pt: <-40.C, -40.F

M.P/F.P Text: POUR POINT

Vapor Pres: 5MMHG@20C

Spec Gravity: 0.90

PH: >7(APPARENT)

Solubility in Water: SLIGHT

Appearance and Odor: AMBER LIQUID; AMINE ODOR.

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Reactivity Data
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Stability Indicator: YES

Materials To Avoid: INCOMPATIBLE WITH STRONG OXIDIZERS

Hazardous Decomposition Products: DECOMPOSITION WILL NOT OCCUR

Hazardous Polymerization Indicator: NO
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Toxicological Information
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Toxicological Information: N,N'-DISALICYLIDENE-1,2-PROPANE DIAMINE: ORAL LD50

>4,560 MG/KG IN RATS & ORAL ALD 2,250 MG/KG IN RATS (80% XYLENE).

XYLENE (MIXED ISOMERS): INHALATION 4 HOURS LC50 6,700 PPM IN RATS &

DERMAL LD50 4,320 MG//KG IN RABBITS & ORAL ALD 4,500 MG/KG IN RATS.

ETHYLBENZENE: INHALATION 4 HOURS LC50 4,000 PPM IN RATS & SKIN ABSORPTION

LD50 15,000 MG/KG IN RABBITS & ORAL LD50 3,500 MG/KG IN RATS. NJ TRADE

SECRET REGISTRY #35-1927749-5168: ORAL LD50 >11,000 MG/KG IN RATS.

N,N'-DIMETHYLCYCLOHEXYLAM

INE: SKIN ABSORPTION LD50 8,600 - 17,200 MG/KG IN

GUINEA PIGS & ORAL LD50 200-400 MG/KG IN RATS.
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Ecological Information
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Ecological: XYLENE 96 HOUR LC50, FATHEAD MINNOWS: 27-42- MG/L.

N,N'-DIMETHYLCYCLOHEXYLAMINE 96 HOUR LC50, FATHEAD MINNOWS: 18 MG/L. ONE

TRADE SECRET INGREDIENT HAS AN AQUATIC TOXICITY OF 11-15 MG/L. THE TRADE

SECRET INGREDIENT HAS LOW TOXICITY WITH A 9

6 HOUR LC50 IN FATHEAD MINNOWS OF

780 MG/L.
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MSDS Transport Information
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Transport Information: U.S. DOT & IMO: PROPER SHIPPING NAME- FLAMMABLE,

CORROSIVE LIQUID, NOS (CONTAINS DEROSENE, XYLENE AND

N,N'-DIMETHYLCYCLOHEXYLAMINE) CLASS 3(8), UN2924, PG III.
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Regulatory Information
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Sara Title III Information: TITLE II HAZARD CLASSIFICATIONS SECTIONS 311, 312-

ACUTE: YES, CHRONIC: NO, FIRE: YES, REACTIVITY: NO, & PRESSURE: NO.

Federal Regulatory Information: TSCA INVENTORY STATUS: REPORTED/INCLUDED.
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Other Information
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Transportation Information
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Responsible Party Cage: 40161

Trans ID NO: 157269

Product ID: LTSA-35A

MSDS Prepared Date: 03/11/1999

Review Date: 06/18/2001

MFN: 1

Tech Entry NOS Shipping Nm: KEROSENE, XYLENE, AND N,N'-DIMETHYLCYCLOHEXYLAMINE

Net Unit Weight: 37.5 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: CN

Container QTY: 0

Type Of Container: CAN

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Detail DOT Information

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DOT PSN Code: GJD

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mbols: G

DOT Proper Shipping Name: FLAMMABLE LIQUIDS, CORROSIVE, N.O.S.

Hazard Class: 3

UN ID Num: UN2924

DOT Packaging Group: III

Label: FLAMMABLE LIQUID, CORROSIVE

Special Provision: B1,T15,T26

Packaging Exception: 150

Non Bulk Pack: 203

Bulk Pack: 242

Max Qty Pass: 5 L

Max Qty Cargo: 60 L

Vessel Stow Req: A

Water/Ship/Other Req: 40

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Detail IMO Information

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IMO PSN Code: HIP

IMO Prope

r Shipping Name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. o

IMDG Page Number: 3346

UN Number: 2924

UN Hazard Class: 3.3

IMO Packaging Group: III

Subsidiary Risk Label: CORROSIVE

EMS Number: 3-02

MED First Aid Guide NUM: 760

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Detail IATA Information

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IATA PSN BL

IATA UN ID Num: 2924

IATA Proper Shipping Name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. *

IATA UN Class: 3

Subsidiary Risk Class: 8

IATA

Label: FLAMMABLE LIQUID & CORROSIVE

UN Packing Group: III

Packing Note Passenger: 309

Max Quant Pass: 5L

Max Quant Cargo: 60L

Packaging Note Cargo: 310

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Detail AFI Information
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AFI PSN BL

AFI Symbols: *

AFI Proper Shipping Name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.

AFI Hazard Class: 3

AFI UN ID NUM: UN2924

AFI Packing Group: III

AFI Label: 8

Special Provisions: P5

Back Pack Referenc

e: A7.3

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HAZCOM Label
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Product ID: LTSA-35A

Cage: 40161

Company Name: FUEL QUALITY SERVICES, INC.

Street: 4584 CANTRELL ROAD

PO Box: 1380

City: FLOWERY BRANCH GA

Zipcode: 30542

Health Emergency Phone: 800-424-9300

Label Required IND: Y

Date Of Label Review: 06/03/2001

Status Code: A

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: D

ANGER

Respiratory Protection IND: YES

Health Hazard: Severe

Contact Hazard: Moderate

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: LIVER, KIDNEY. HIGHER EXPOSURE MAY LEAD TO CARDIAC STRESS, ANEMIA AND OTHER BLOOD CHANGES, RESPIRATORY EFFECTS, POSSIBLE LIVER AND KIDNEY DAMAGE; OR FATALITY FROM GROSS OVEREXPOSURE.

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