

## **FUELSAVER F-15**

### **MSDS Number**

BXCHF

### **National Stock Number**

6850-01-246-6544

### **Product Name**

FUELSAVER F-15

### **Manufacturer**

FUEL QUALITY SERVICES INC

### **Product Identification**

Product ID:FUELSAVER F-15

MSDS Date:07/15/1992

FSC:6850

NIIN:01-246-6544

MSDS Number: BXCHF

### **Responsible Party**

FUEL QUALITY SERVICES, INC.

4584 CANTRELL ROAD

FLOWERY BRANCH , GA 30542

US

Emergency Phone: 404-967-9790/800-424-9300(CHEMTREC)

Info Phone: 404-967-9790/800-827-9790

Preparer: L.J. QUINN

Cage: 40161

### **Contractor**

FUEL QUALITY SERVICES, INC.

1380

FLOWERY BRANCH, GA 30542

US

(800) 827-9790 - (770) 967-9790

Cage: 40161

### **Ingredients**

PRESERVATIVE

Fraction By Weight: 75%

ALIPHATIC PETROLEUM SOLVENT/KEROSENE

CAS: 8008-20-6

RTECS: OA5500000

Fraction By Weight: 5 - 7.5%

OSHA PEL5 MG/M3 AS OIL MIST

ACGIH TLV: 5 MG/M3 AS OIL MIST

STYRENE MONOMER (SARA 313)

CAS: 100-42-5

RTECS: WL3675000

Fraction By Weight: 0 - 0.5%

OSHA PEL100 PPM

ACGIH TLV: S,50PPM/100STEL;9495

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

N,N'DISALCYCLIDENE-1,2 PROPANE DIAMINE

CAS: 94-91-7

RTECS: GP3130000

Fraction By Weight: 0.5-1.3%

N,N-DIMETHYLCYCLOHEXYLAMINE

CAS: 98-94-2

RTECS: GX1198000

Fraction By Weight: 6 - 9%

TRADE SECRET COMPONENTS

Fraction By Weight: 2.5-7.5%

## Hazards

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, LIVER, KIDNEYS, SPLEEN, RESPIRATORY & GI TRACTS. ACUTE- CAUSES SEVERE EYE DAMAGE & SKIN BURNS. CAUSES SKIN SENSITIZATION. HARMFUL/FATAL IF SWALLOWED/ABSORBED THROUGH SKIN. INH ALATION MAY CAUSE IRRITATION, BLOOD CHANGES & HAVE EFFECTS ON LIVER, KIDNEYS & SPLEEN. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:CONTAINS STYRENE.

Effects of Overexposure:IRRITATION, EYE DAMAGE, SKIN BURNS, PAIN, COUGH, NAUSEA, HEADACHE, WEAKNESS, DIFFICULTY IN BREATHING, SHORTNESS OF BREATH

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, LIVER, KIDNEYS, SPLEEN, BLOOD MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

## First Aid

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNT OF WATER, MILK, EGG WHITE, GELATIN OR ACTIVATED CHARCOAL SLURRY. GET MEDICAL ATTENTION.

## Fire Fighting

Flash Point Method:PMCC

Flash Point:149F,65C

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, SAND, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED

SELF-CONTAINED BREATHING APPARATUS. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NONE

## Accidental Release

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN SPILL. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT MATERIAL SUCH AS SAND. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.

Neutralizing Agent:NOT RELEVANT

## Handling

Handling and Storage Precautions:STORE IN COOL, DRY, VENTILATED AREA AWAY FROM SOURCES OF IGNITION AND ACIDS. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY. LAUNDRY BEFORE REUSE. KEEP OUT OF REACH OF CHILDREN.

## Exposure Controls

Respiratory Protection:IF WORKING IN CONFINED AREAS, IF EXCESSIVE MISTING IS EXPECTED OR IF EXPOSURE MAY OR DOES EXCEED RECOMMENDED PERMISSIBLE EXPOSURE LIMITS (PEL), WEAR NIOSH-APPROVED RESPIRATORY PROTECTION (REFER TO 29 CFR 1910.134).

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW PEL(S).

Protective Gloves:NITRILES, RUBBER

Eye Protection:GOGGLES AND OR FACE SHIELD

Other Protective Equipment:IF EXCESSIVE SPLASHING IS EXPECTED, USE A RUBBER APRON AND FACE SHIELD. PROVIDE EYEWASH STATION AND EMERGENCY SHOWERS.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

## Chemical Properties

HCC:V4

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:177F,81C

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Spec Gravity: 1.0

Solubility in Water:Appearance and Odor:AMBER LIQUID, ODOR OF KEROSENE AND AMINES

Percent Volatiles by Volume: 10

## Stability

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Stability Condition to Avoid:EXCESSIVE HEAT, OPEN FLAMES

Hazardous Decomposition Products:MAY FORM CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN.

## Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. BURY IN AN APPROVED LANDFILL.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.