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MATERIAL SAFETY DATA SHEET (SUBSTITUTES FOR OSHA FORM 174): May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

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PRODUCT NUMBER: 554

IDENTITY: DEFENSE EF

Revision Date: 01/19/2007

Section I

Manufacturer's Name: QUEST CHEMICAL CORPORATION
Address: 12255 FM 529
NORTHWOODS INDUSTRIAL PARK
HOUSTON
State: TX Zip Code: 77041

Telephone Numbers:
Emergency: 800/255-3924
Information: 713/8968188

HMIS CODES: REACTIVITY: 1 FLAMMABILITY: 3 HEALTH: 1 PERSONAL PROTECT: A

Section II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (All of the ingredients contained in this product are listed on the TSCA inventory.)

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Name	Cas No.	OSHA PEL	ACGIH TLV	OTHER LIM	%
HEPTANE	142-82-5	400 PPM	400 PPM	N/A	_____
MINERAL SPIRITS	8052-41-3	500 PPM	100 PPM		_____
PROPANE/N-BUTANE	68476-86-8	1000 PPM	600 PPM	N/A	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Section III: PHYSICAL/CHEMICAL CHARACTERISTICS

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Boiling Point: 156 Specific Gravity (water=1) 0.76
Vapor Pressure(mm Hg) 124 Melting Point: N/A
Vapor Density(AIR=1) >1 Evaporation Rate: 5
Solubility in Water: 0% (Butyl Acetate=1)
Appearance and Odor: BROWN COLOR, PETROLEUM SOLVENT ODOR

Section IV: FIRE AND EXPLOSION HAZARD DATA

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Flash Point(Method Used):150 F TCC Flammable Limits: LEL:1.1 UEL: 7.5
Extinguishing Media: STANDARD DRY CHEMICAL FIRE EXTINGUISHER
Special Fire Fighting Procedures: SELF CONTAINED BREATHING APPARATUS

Unusual Fire and Explosion Hazards: FLAMMABLE. CONTENTS UNDER PRESSURE.
EXPOSURE TO TEMPERATURES ABOVE 120 F MAY CAUSE BURSTING. MAY DEVELOP A
FLAMMABLE ATMOSPHERE IN CONFINED AREAS.

Stability: Unstable: Conditions to avoid:
Stable: X TEMPERATURES ABOVE 120 F, HOT SURFACES
Incompatibility (Materials to Avoid): SOME PLASTICS

Hazardous Decomposition or Byproducts: NONE KNOWN

Hazardous Polymerization: May Occur: Will Not Occur: X
Conditions to Avoid: NONE KNOWN

Section VI: HEALTH HAZARD DATA

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Health Hazards (Acute and Chronic):
INHALATION: NAUSEA, LIGHT HEADEDNESS. SKIN OR EYES: WILL CAUSE IRRITATION.
INGESTION: NASUEA, VOMITING, LOSS OF CONSCIOUSNESS.

Carcinogenicity: NTP:NO IARC Monographs:NO OSHA Reg:NO
Signs and Symptoms of Exposure: SEE HEALTH HAZARDS

Medical Conditions Generally Aggravated by Exposure: EXCESSIVE EXPOSURE
WILL AGGRAVATE RESPIRATORY, CARDIOVASCULAR OR PULMONARY ILLNESS.

Emergency and First Aid Procedures: INHALATION: REMOVE TO FRESH AIR.
INGESTION: DO NOT INDUCE VOMITING. CONTACT PHYSICIAN. SKIN: WASH WITH SOAP
AND WATER. IF IRRITATION PERSISTS, CONTACT PHYSICIAN.

Section VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: WIPE UP WITH
RAG OR USE SOME ABSORBENT CLAY MATERIAL.

Waste Disposal Method: DISPOSE OF RESIDUE IN ACCORDANCE WITH FEDERAL,
STATE AND LOCAL GUIDELINES. DO NOT REUSE EMPTY CONTAINER. DO NOT PUNCTURE
OR INCINERATE CONTAINER.

Precautions to be Taken in Handling and Storing: DO NOT STORE NEAR HEAT
OR OPEN FLAME. EXPOSURE TO TEMERATURES ABOVE 120 F MAY CAUSE BURSTING.

Other Precautions: VAPOR MAY COLLECT IN LOW LYING AREAS.

Section VIII: CONTROL MEASURES

Respiratory Protection: USE ONLY IN WELL VENTILATED AREAS
Ventilation: Local Exhaust: YES
Mechanical: N/A Special: N/A
Other: N/A
Protective Gloves: N/A
Eye Protection: SAFTEY GOGGLES ARE RECOMMENDED WHENEVER CHEMICALS ARE USED.
Other Protective Clothing or Equipment:
N/A
Work/Hygienic Practices:
WASH HANDS AFTER USE.