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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: 546
IDENTITY: SURRENDER EF Revision Date: 02/19/2010

Section I

Manufacturer's Name:QUEST CHEMICAL CORPORATION Telephone Numbers:
Address: 12255 FM 529 Emergency:
NORTHWOODS INDUSTRIAL PARK 800/255-3924
HOUSTON Information:
State: TX Zip Code:77041 713/8968188

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

Section II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (All of the
ingredients contained in this product are listed on the TSCA inventory.)
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Table with 6 columns: Name, Cas No., OSHA PEL, ACGIH TLV, OTHER LIM, %. Rows include ALUMINUM, HEPTANE, HYDROTREATED NAPTH. DIST *, MINERAL SPIRITS *, and PROPANE/N-BUTANE.

Comment:
THIS PRODUCT CONTAINS THE TOXIC CHEMICALS MARKED WITH AN * SUBJECT
TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING
AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR372.

Section III: PHYSICAL/CHEMICAL CHARACTERISTICS
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Boiling Point: 156 Specific Gravity (water=1) 0.91
Vapor Pressure(mm Hg) 40 Melting Point: N/A
Vapor Density(AIR=1) >1 Evaporation Rate: N/A
Solubility in Water: 0% (Butyl Acetate=1)
Appearance and Odor: SILVER GRAY GREASE, ETHERAL SOLVENT ODOR.

Section IV: FIRE AND EXPLOSION HAZARD DATA
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Flash Point(Method Used):122 F TCC Flammable Limits: LEL:1.1 UEL: 7.5
Extinguishing Media: CO2, WATER, FOAM
Special Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS

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

Section V: REACTIVITY DATA

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Stability: Unstable: Conditions to avoid:
 Stable: X TEMPERATURES ABOVE 120 F
Incompatibility (Materials to Avoid): SOME PLASTICS, STRONG OXIDIZERS AND
ACIDS
Hazardous Decomposition or Byproducts: OXIDES OF CARBON

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

Section VI: HEALTH HAZARD DATA

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Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Health Hazards (Acute and Chronic):
INHALATION: DIZZINESS. EXCESSIVE INHALATION MAY LEAD TO UNCONSCIOUSNESS.
EYES: STRONG IRRITATION. SKIN: MILD IRRITATION. MAY CAUSE DEFATTING OF
TISSUE.
Carcinogenicity: NTP:NO IARC Monographs:NO OSHA Reg:Yes
Signs and Symptoms of Exposure: SEE HEALTH HAZARDS ABOVE

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

Emergency and First Aid Procedures: INHALATION: REMOVE TO FRESH AIR.
CONSULT PHYSICIAN. EYES: FLUSH WITH WATER AND CONSULT PHYSICIAN. SKIN:
WASH THOROUGHLY WITH SOAP AND WATER AND CONTACT PHYSICIAN IF
IRRITATION PERSISTS.

Section VII: PRECAUTIONS FOR SAFE HANDLING AND USE

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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 PUNCTURE OR INCINERATE CONTAINER. DO NOT
REUSE CONTAINER. WRAP CONTAINER AND PLACE IN TRASH COLLECTION.

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

Other Precautions: VAPOR MAY COLLECT IN LOW LYING AREAS.

Section VIII: CONTROL MEASURES

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Respiratory Protection: NIOSH APPROVED RESPIRATOR FOR ORGANIC SOLVENTS.
Ventilation: Local Exhaust:REQUIRED
Mechanical: REQUIRED IF USED IN CONFINED SPACE Special: N/A
Other: N/A
Protective Gloves:CHEMICAL RESISTANT GLOVES RECOMMENDED
Eye Protection: SAFETY GLASSES RECOMMENDED WHENEVER CHEMICALS ARE USED.
Other Protective Clothing or Equipment:
N/A
Work/Hygienic Practices:
WASH HANDS THOROUGHLY AFTER USE.

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