

QUALCHEM, AFFIL. GREEN GLOBE INDUSTRIES, C/O HELION, BLD. 12 -- 042397, QUALCHEM 5967,
CALIBRATION FLUID -- 6850-01-143-4525

===== Product Identification =====

Product ID:042397, QUALCHEM 5967, CALIBRATION FLUID

MSDS Date:07/31/1997

FSC:6850

NIIN:01-143-4525

Status Code:A

MSDS Number: CKWPX

=== Responsible Party ===

Company Name:QUALCHEM, AFFIL. GREEN GLOBE INDUSTRIES, C/O HELION, BLD.
12

Add

ress:681 MAIN STREET

City:BELLEVILLE

State:NJ

ZIP:07190

Country:US

Emergency Phone Num:800-255-3924

CAGE:UO155

=== Contractor Identification ===

Company Name:QUALCHEM CO DIV OF GREEN GLOBE INDUSTRIES INC

Address:600 MEADOWLANDS PKY NO 20

Box:City:SECAUCUS

State:NJ

ZIP:07094

Country:US

Phone:800-327-3456 FAX: 201-842-1307

CAGE:07XT7

Company Name:QUALCHEM CO., AFFIL. GREEN GLOBE INDUSTRIES,

Address:681 MAIN STREET BLDG 12

Box:City:BELLEVILLE

State:NJ

ZIP:07190

Country:US

CAGE:UO155

Company Name:

ROCK VALLEY OIL AND CHEMICAL CO INC
Address:1911 WINDSOR ROAD
Box:City:ROCKFORD
State:IL
ZIP:61111-4253
Country:US
Phone:815-654-2400
CAGE:3T347

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===== Composition/Information on Ingredients =====

Ingred Name:PETROLEUM HYDROCARBON DISTILLATE
CAS:8008-20-6
RTECS #:OA5500000
Minumum % Wt:30.
Maxumum % Wt:60.
ACGIH TLV:400 PPM

Ingred Name:HYDROCARBON DISTILLATE
CAS:64741-44-2
RTECS #:LX3296000
Minumum % Wt:10.
Maxumum % Wt:30.
ACGIH TLV:400 PPM

Ingred Name:LIGHT NAPHTHENIC DIST
ILLATE
CAS:64742-47-8
RTECS #:OA5504000
Minumum % Wt:10.
Maxumum % Wt:30.
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3

Ingred Name:OLEFIN
CAS:68425-39-8
Minumum % Wt:.1
Maxumum % Wt:1.

Ingred Name:GEAR OIL ADDITIVE
CAS:72162-26-6
< Wt:.5

Ingred Name:BUTYLATED HYDROXYTOLUENE
CAS:128-37-0
RTECS #:GO7875000
< Wt:.5
OSHA PEL:10 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:CORROSION INHIBITOR
CAS:94270-86-7
< Wt:.5

Ingred Name:ACETONE
CAS:67-64-1
RTECS #:AL3150000
< Wt:.5
OSHA PEL:750 PPM

00 PPM
ACGIH TLV:1780 MG/M3;750 PPM
ACGIH STEL:2380 MG/M3;1000 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====

LD50 LC50 Mixture:NO DATA PROVIDED BY MANUFACTURER
Health Hazards Acute and Chronic:EYES: CAN CAUSE MILD IRRITATION,
REDNESS, WATERING, BLURRED VISION. SKIN: PROLONGED OR REPEATED
CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMITITIS.
BREATHING: EXCESSIVE INHALATION OF VAPORS AND/OR SPRAYMIST CAN
CAUSE RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA,
HEADACHE, UNCONSCIOUSNESS AND EVEN ASPHYXIATION. SWALLOWING: CAN
CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DISRRHEA.
ASPIRATION OF MATERIALS INTO THE LUNGS CAN CAUSE CHEMICAL
PNEUMONITIS WHICH CAN BE FATAL.

Explanation of Carcinogenicity:NO DATA PROVIDED BY MANUFACTURER
Effects of Overexposure:EYES: MILD IRRITATION, REDNESS, WATERING,
BLURRED VISION. SKIN: PROLONGED OR REPEATED CONTACT CAN CAUSE
AUSE
MODERATE IRRITATION, DEFATTING, DERMITITIS. BREATHING: EXCESSIVE
INHALATION OF VAPORS AND/OR SPRAYMIST CAN CAUSE RESPIRATORY
IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE,
UNCONSCIOUSNESS AND EVEN ASPHYXIATION. SWALLOWING: CAN CAUSE
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ASPIRATION OF MATERIALS INTO THE LUNGS CAN CAUSE CHEMICAL
PNEUMONITIS WHICH CAN BE FATAL.

Medical Cond Aggravated by Exposure:PERSONS WITH PREEXISTING SKIN
DISORDERS MAY BE MORE SUSCEPTIBLE TO THIS PRODUCT.

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===== First Aid Measures =====

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER LIFTING EYELIDS
OCCASIONALLY. GET PROMPT MEDICAL ATTENTION. SKIN: WASH THOROUGHLY
WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING PROMPTLY; WASH
CLOTHING BEFORE REUSE. SWALLOWING: DO NOT INDUCE VOMITING. KEEP
PERSON WARM, QUIET AND QUIET AND GET MEDICAL ATTENTION. ASPIRATION
OF MATERIAL INTO THE LUNGS D

UE TO VOMITING CAN CAUSE CHEMICAL

PNEUMONITIS WHICH CAN BE FATAL. BREATHING: MOVE AFFECTED PERSON TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET, AND GET MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:75.C, 167.F

Lower Limits:1%

Upper Limits:6%

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG.

USE

WATER FOR COOLING ANY MATERIAL STORED IN VICINITY OF FIRE.

Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND TO AN IGNITION SOURCE SOME DISTANCE FROM MATERIAL HANDLING POINT. IGNITION SOURCES INCLUDE PILOT LIGHTS, SMOKING, HEATERS, ELECTRIC MOTORS, SPARK FROM ELECTRICAL SWITCHES AND STATIC DISCHARGES. MISTS OR SPRAY MAY BE FLAMMABLE AT TEMPERATURE BELOW FLASH POINT.

===== Accidental Release Measures =====

Spill Release Procedures:SMALL: KEEP SPILL AWAY FROM IGNITION SOURCES (ELECTRICAL, HOT SURFACES, ETC). PICK UP SPILL WITH ABSORBENT MATERIAL. LARGE: CONTAIN SPILL TO PREVENT ENTRY INTO DRAINS, SEWERS OR WATERWAYS. VENTILATE AND KEEP TRAFFIC FROM AREA

A. REMOVE WITH

ABSORBENT MATERIAL (OR FLUSH OR VACUUM) TO CLOSED CONTAINER.

Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER

===== Handling and Storage =====

Handling and Storage Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY

OR DEATH.

Other Precautions:KEEP PRODUCT AWAY FROM HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAME. KEEP CONTAINER CLOSED. EMPLOYEES MUST PRACTICE GOOD PERSONAL HYGIENE, WASHING EXPOSED SKIN SEVERAL TIMES DAILY AND LAUNDERING CONTAMINATED CLOTHING BEFORE REUSE.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF THE TLV OF THE PRODUCT IS EXCEEDED, A NIOSH APPROVED AIR SUPPLY RESPIRATOR IS ADVISED IN ABSENCE OF PROPER

ENVIRONMENTAL CONTROL. ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE. SELECT RESPIRATORS BASED ON FORM AND CONCENTRATION OF CONTAMINANT IN AIR. ADHERE TO 29 CFR 1910.134.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV.

Protective Gloves:CHEMICAL/SOLVENT RESISTANT FOR PROLONGED CONTACT.

Eye Protection:CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS

Other Protective Equipmen

t:BOOTS, APRONS, CHEMICAL RESISTANT SUITS

WHERE DEEMED NECESSARY TO AVOID CONTACT DURING PROLONGED EXPOSURE.

Work Hygienic Practices:NO DATA PROVIDED BY MANUFACTURER

Supplemental Safety and Health

PRODUCT CODE: 042397. CAUTION: NEVER USE CUTTING TORCH ON EMPTY CONTAINERS! RESIDUAL SOLVENT VAPOR IN EMPTY CONTAINER MAY EXPLODE.

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===== Physical/Chemical Properties =====

HCC:V4

Boiling Pt:B.P. Text:131-610F

Vapor Pres:N/E

Vapor Density:>AIR

Spec Gravity:0.825

Eva

poration Rate & Reference:NOT VOLITILE

Appearance and Odor:LIGHT YELLOW LIQUID, MILD ODOR

Percent Volatiles by Volume:60.6%

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG BASES, OXIDIZING AGENTS AND SELECTED AMINES.

Stability Condition to Avoid:KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, VARIOUS HYDROCARBONS, ETC

Conditions to Avoid Polym

erization:HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:ACETONE: ORAL, RABBIT LD50: 5340 MG/KG.

===== Ecological Information =====

Ecological:NO DATA PROVIDED BY MANUFACTURER.

===== Disposal Considerations =====

Waste Disposal Methods:RECOVERED MATERIAL SHOULD BE PACKAGED, LABELED, TRANSPORTED, DISPOSED OF OR RECLAIMED IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS AND IN CONFORMANCE WITH GOOD SAFETY AND ENGINEERING PRACTICES.

===== MSDS Transport Information =====

Transport Information:NO DATA PROVIDED BY MANUFACTURER.

===== Regulatory Information =====

SARA Title III Information:NO DATA PROVIDED BY MANUFACTURER
Federal Regulatory Information:ALL INGREDIENTS IN THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY.
State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.

===== Other Information =====

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