

HELION INDUSTRIES INC -- QUALCHEM 25567 -LEAK DETECTION COMPOUND,OXYGEN SYSTEMS  
TY II -- 6850-00-621-1819

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

Product ID:QUALCHEM 25567 -LEAK DETECTION COMPOUND,OXYGEN SYSTEMS TY II

MSDS Date:01/15/1999

FSC:6850

NIIN:00-621-1819

Status Code:A

MSDS Number: CLHLG

=== Responsible Party ===

Company Name:HELION INDUSTRIES INC

Address:681 MAIN ST

City:BELLEVILLE

State:NJ

ZIP:07109

Country:US

Info Phone Num:201-759-0200

Emergency Phone Num:800-255-3924

Resp. Party Other MSDS Num.:013098

CAGE:0AP21

=== Contractor Identification ===

Company Name:HELION INDUSTRIES INC

Address:681 MAIN ST

Box:City:BELLEVILLE

State:NJ

ZIP:07109

Country:US

Phone:201-759-0200

CAGE:0AP21

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

===== Composition/Information on Ingredie

nts =====

Ingred Name:ETHYLENE GLYCOL

CAS:107-21-1

RTECS #:KW2975000

= Wt:60.

OSHA PEL:NA

ACGIH TLV:50 PPM

ACGIH STEL:C127 MG/M3;C50 PPM

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:NO DATA PROVIDED BY MANUFACTURER

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

Health Hazards Acute and Chronic:EYE: IRRITATION, BLURRED VISION.

INHALATION: HIGH CONCENTRATION MAY CAUSE HEADACHES, DIZZINESS.

SKIN: P

ROLONGED CONTACT MAY IRRITATE SKIN AND CAUSE DERMATITIS.

SMALL AMOUNTS MAY BE DRAWN INTO THE LUNG S BY EITHER SWALLOWING OR VOMITING. THIS MAY CAUSE BURNS AND INFLAMMATION TO THE BRONCHI.

INGESTION MAY CAUSE IRRITATION TO THE DIGESTIVE TRACT. CHRONIC:

NONE REPORTED.

Explanation of Carcinogenicity:NONE REPORTED.

Effects of Overexposure:EYE: IRRITATION, BLURRED VISION. INHALATION:

HIGH CONCENTRATION MAY CAUSE HEADACHES, DIZZINESS. SKIN: PROLONGED CONTACT MAY IRRITATE SKIN A

ND CAUSE DERMATITIS. INGESTION: SMALL

AMOUNTS MAY BE DRAWN I NTO THE LUNGS BY EITHER SWALLOWING OR VOMITING. THIS MAY CAUSE BURNS AND INFLAMMATION TO THE BRONCHI.

INGESTION MAY CAUSE IRRITATION TO THE DIGESTIVE TRACT

Medical Cond Aggravated by Exposure:MAY AGGRAVATE EXISTING SKIN

CONDITIONS.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. ADMINISTER OXYGEN AS NEEDED.

CONTACT A PHYSICIAN. EYE: FLUSH WITH PLENTY

OF WATER. IF IRRITATION

PERSISTS CONTACT AN EYE CARE PHYSICIAN. SKIN: WASH WITH SOAP AND WATER . REMOVE CONTAMINATED CLOTHING. IF IRRITATION DEVELOPS SEEK

MEDICAL ATTENTION. INGESTION: GIVE SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN IMMEDIATELY. NOTE TO

PHYSICIAN: PR ODUCT CONTAINS ETHYLENE GLYCOL AND SYNTHETIC SURFACANTS.

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

Flash Point Method:TCC

Flash Point:NONE TO BOILING

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, WATER FOG

Fire Fighting Procedures:USE METHODS APPROPRIATE TO THE PRIMARY CAUSE OF THE FIRE. USE SELF CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRE IN ENCLOSED AREAS

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:DIKE LARGE SPILLS AND SOAK UP WITH SAND OR COMMERCIALY AVAILABLE ABSORBENTS. DISPOSE OF AS A SOLID WASTE. FOR

SMALL SPILLS USE AN INDUSTRIAL SEWER

Neutralizing Agent:NONE PROVIDED BY MFR

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

Handling and Storage Precautions:KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE NEAR FOOD PRODUCTS.

Other Precautions:STORE IN A COOL DRY PLACE.

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

Respiratory Protection:NONE NEEDED UNDER NORMAL CONDITIONS

Ventilation:NO DATA PROVIDED BY MANUFACTURER

Protective Glove

s:RUBBER GLOVES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NO DATA PROVIDED BY MANUFACTURER

Work Hygienic Practices:NO DATA PROVIDED BY MANUFACTURER

Supplemental Safety and Health

NO DATA PROVIDED BY MANUFACTURER

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

HCC:V5

Boiling Pt:=111.1C, 232.F

Melt/Freeze Pt:=-53.7C, -65.F

M.P/F.P Text:FREEZING PT

Vapor Pres:17.5 MMHG 17.5 DEG C

Vapor Density:> 1

Spec Gravity:1.08

pH:6.0 TO 7.5

Viscosity:NA

Evaporation Rate &a

mp; Reference:< 1.0 WATER=1  
Solubility in Water:COMPLETE  
Appearance and Odor:CLEAR, COLORLESS LIQUID, MILD ODOR

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

Stability Indicator/Materials to Avoid:YES  
ACIDS, OXIDIZING AGENTS  
Stability Condition to Avoid:NO DATA PROVIDED BY MANUFACTURER  
Hazardous Decomposition Products:OXIDES OF CARBON AND NITROGEN  
Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Toxicological Information:TERATOLOGY (BIRTH DEFECT) INFORMATION: NONE  
REPORTED. REPRODUCTIVE INFORMATION: NONE REPORTED.

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

Ecological:PRODUCT CONTAINS SURFACTANTS AND GLYCOLS WHICH MAY CAUSE IT  
TO DISPERSE IN WATER. LOCALIZED HIGH CONCENTRATIONS OF THIS PRODUCT  
MAY CAUSE FISH KILL. NO PERSISTANT EFFECTS WILL RESULT.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS

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

Transport Information:D.O.T. SHIPPING NAME: CHEMICALS, N.O.I. TECHNICAL  
SHIPPING NAME: NONE. D.O.T. HAZARD CLASS: NONE. UN/NA NUMBER: NONE.

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

SARA Title III Information:SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES:  
NOT LISTED. SECTION 311/312 HAZARDOUS CATEGORIES: LISTED,  
IMMEDIATE HEALTH HAZ

ARD, ETHYLENE GLYCOL. SECTION 313 TOXIC

CHEMICALS: NOT LISTED.

Federal Regulatory Information:TSCA STATUS: LISTED. OSHA STAUS: NA.

State Regulatory Information:SCAQMD INFORMATION: THERE ARE NO  
PHOTOREACTIVE CHEMICALS PRESENT. THE VOC CONTENT IN 600 G/L.

CALIFORNIA PROSITION 65: THIS PRODUCT DOES NOT CONTAIN ANY  
CHEMICALS RECOGNIZED BY THE STATE OF CALIFORNIA TO CAUSE CANCER OR  
REPRODUCTIVE HARM.

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

=====

=====

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 th  
e suitability of this information to their  
particular situation.