

HELION INDUSTRIES INC -- 1824-411 -- 6850-00-551-9577

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Product Identification  
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Product ID:1824-411

MSDS Date:11/01/1996

FSC:6850

NIIN:00-551-9577

MSDS Number: CDQLS

=== Responsible Party ===

Company Name:HELION INDUSTRIES INC

Address:681 MAIN ST;BLDG 12

City:BELLEVILLE

State:NJ

ZIP:07109

Country:US

Info Phone Num:201-759-0105

Emergency Phone Num:201-759-0105 800-255-3924

Preparer's Name

:ILLEGIBLE ON MSDS

CAGE:0AP29

=== Contractor Identification ===

Company Name:HELION INDUSTRIES INC

Address:681 MAIN ST, BLDG 12

Box:City:BELLEVILLE

State:NJ

ZIP:07109

Country:US

Phone:800-327-3456

CAGE:0AP29

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

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Composition/Information on Ingredients  
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Ingred Name:2-ETHOXYETHANOL (SA

RA 313) (CERCLA)  
CAS:110-80-5  
RTECS #:KK8050000  
Fraction by Wt: 11%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:S, 200 PPM  
ACGIH TLV:S, 5 PPM; 9596  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:PHOSPHORIC ACID (SARA 313) (CERCLA)  
CAS:7664-38-2  
RTECS #:TB6300000  
Fraction by Wt: 71%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3/3 STEL; 9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

Routes of Entry

: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:\*\*CORROSIVE88 EYES:MAY CAUSE  
IRRITATION.SKIN:MAY CAUSE IRRITATION.INGEST:ASPIRATION HAZARD.MAY  
CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION  
AND CNS EFFECTS  
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.  
Effects of Overexposure:EYES:BLURRED  
VISION.INHAL:HEA  
DACHES,DIZZINESS,ANESTHESIA.SKIN:BURNS,DERMATITIS.  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
CONDITIONS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND  
WATER.GET MEDICAL ATTENTION IF NEEDED.EYES:FLUSH WITH WATER FOR 15  
MINUTES.GET IMMEDIATE MEDICAL ATTENTION.INHAL:REMOVE TO FRESH  
AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.

GET IMMEDIATE

MEDICAL ATTENTION.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE SEVERAL GLASSES OF WATER.

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

Flash Point Method:TCC

Flash Point:NONE

Extinguishing Media:DRY CHEMICAL,CARBON DIOXIDE,TYPE BC/ABC EXTINGUISHERS.

Fire Fighting Procedures:HMIS SUGGESTS TO USE A SELF-CONTAINED BREATHING APPARATUS WHENEVER FIGHTING A CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:M ANUFACTURER STATES NONE.

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

Spill Release Procedures:SOAK UP WITH NON-COMBUSTIBLE INERT ADSORBANT(EG.CLAY);PLACE COLLECTED MATERIAL IN AN APPROPRIATE CONTAINER FOR DISPOSAL;CLEAN SPILL AREA TO REMOVE SLIPPERINESS.FOR SMALL SPILLS,USE AN INDUSTRIAL SEWER .

Neutralizing Agent:NOT REPORTED.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED

PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:FOLLOW LABEL DIRECTIONS.AVOID BREATHING VAPORS.AVOID SKIN AND EYE CONTACT.

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

Respiratory Protection:NOT NEEDED IN NORMAL SERVICE.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES OR FACESHIELD.

Other Pro

Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:EXECISE GOOD LABORATORY PRACTICES.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health  
NONE

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

HCC:C1

Boiling Pt:=100.C, 212.F

Spec Gravity:1.612

pH:>1

VOC Grams/Liter:1.8

Viscosity:2.3 CPS

Evaporation Rate & Reference:1.2 WATER=1

Solubility in Water:COMPLETE

Appearance and Odo

r:LIQUID;WATER WHITE;ACIDIC ODOR.

Percent Volatiles by Volume:90

Corrosion Rate:CORROSIV

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

Stability Indicator/Materials to Avoid:YES

ALKALI,REDUCING AND OXIDIZING AGENTS,ALUMINUM FINES(DUST).

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOXIDE,OXIDES OF PHOSPHOROUS.

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

Waste Disposal Me

thods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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