

HELION INDUSTRIES INC -- QUALCHEM 10578 CORROSION REMOVING COMPOUND MIL-C-10578D
-- 6850-00-174-9672

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

Product ID:QUALCHEM 10578 CORROSION REMOVING COMPOUND MIL-C-10578D

MSDS Date:04/23/2001

FSC:6850

NIIN:00-174-9672

Status Code:A

MSDS Number: CLDHC

=== Responsible Party ===

Company Name:HELION INDUSTRIES INC

Address:681 MAIN ST, BLDG 12

City:BELLEVILLE

State:NJ

Z

IP:07109

Country:US

Info Phone Num:800-327-3456

Emergency Phone Num:800-255-3924

Preparer's Name:NOT PROVIDED

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

Contract Num:SP0450-01

-M-ZC47
CAGE:07XT7

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Composition/Information on Ingredients
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Ingred Name:PHOSPHORIC ACID
CAS:7664-38-2
RTECS #:TB6300000
= Wt:21.
Other REC Limits:NOT PROVIDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3
ACGIH STEL:3 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:2-BUTOXY ETHANOL
CAS:111-76-2
RTECS #:KJ8575000
Other REC Limits:NOT PROVIDED
OSHA PEL:240 MG/M3;50 PPM
ACGIH TLV:121 MG/M3;25 PPM

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Hazards Identification
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LD50 LC50 Mixture:NOT PROVIDED
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: MAY CAUSE IRRITATION OR BURNS ON
PROLONGED CONTACT. INHALATION: HIGH VAPOR CONCENTRATIONS MAY CAUSE
DIZZINESS OR NAUSEA AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS. SKIN:
PROLONGED CONTACT MAY IRRITATE THE SKIN OR DRY THE SKIN CAUSING
DERMATITIS. INGESTION: INGESTION MAY CAUSE IRRITATION TO THE
DIGESTIVE TRACT, RESULTING IN NAUSEA AND/OR VOMITING.

Explanation

of Carcinogenicity:PRODUCT DOES NOT CONTAIN ANY INGREDIENTS
LISTED AS PROBABLE CARCINOGENS.
Effects of Overexposure:EYE: MAY PRODUCE REDDNESS, BURNING AND
STINGING. PROLONGED AND/OR REPEATED CONTACT MAY CAUSE CHEMICAL
CONJUNCTIVITIS WHICH MAY CAUSE BLINDNESS. SKIN: MAY CAUSE REDNESS,
FLAKING AND DRYING OF THE SKIN. PROLONGED AND/OR REPEATED CONTACT
MAY CAUSE DERMATITIS AND BURNS. INGESTION: MAY CAUSE NAUSEA,
VOMITING, DIARRHEA AND IRRITATION AND/OR BURNS TO THE DIGESTIV

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TRACT. INHALATION: MAY CAUSE IRRITATION AND/OR BURNS TO THE BRONCHIAL MEMBRANES AND/OR PULMONARY EDEMA.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:INHALATION: REMOVE TO FRESH AIR, ADMINISTER OXYGEN, SEEK MEDICAL ATTENTION. EYE: FLUSH WITH WATER, SEEK MEDICAL ATTENTION. SKIN: FLUSH WITH WATER, REMOVE CONTAMINTED CLOTHES. IF IRRITATION OCCURS SEEK MEDICAL ASSISTANCE. INGESTION: GIVE SEVER

AL GLASSES OF

WATER. DO NOT INDUCE VOMITING, SEEK MEDICAL ATTENTION. NOTE TO PHYSICIAN: ALL TREATMENTS SHOULD BE BASED ON OBSERVED SIGNS AND SYMPTOMS OF DISTRESS. THE PRINCIPAL MANIFESTATION OF OVEREXPOSURE IS CORROSION OR BURNS.

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

Flash Point Method:TCC

Flash Point:NONE TO BOILING

Lower Limits:NA

Upper Limits:NA

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

Fire Fighting Procedures:SELF CO

NTAINED BREATHING APPARATUS. USE WATER

TO COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:CONTAINERS CAN RUPTURE AND EXPLODE UNDER FIRE CONDITIONS DUE TO PRESSURE AND VAPOR BUILDUP.

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

Spill Release Procedures:ABSORB ON FIRE RETARDANT MATERIAL. DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS. REPORT SPILL.

Neutralizing Agent:NOT PROVIDED

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===== Handling and Storage ==

Handling and Storage Precautions:KEEP IN A COOL DRY PLACE. KEEP

CONTAINERS CLOSED WHEN NOT IN USE . DO NOT STORE NEAR FOOD.

Other Precautions:NOT PROVIDED

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

Respiratory Protection:NONE NEEDED UNDER NORMAL CONDITIONS.

Ventilation:KEEP CONTAINERS CLOSED WHEN NOT IN USE . DO NOT STORE NEAR FOOD.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:GOGGLES, SAFETY GLASSES, FULL FACE SHIELD RECOMMEN

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DURING OPERATIONS.

Other Protective Equipment:NOT PROVIDED

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=100.C, 212.F

Melt/Freeze Pt:=-1.1C, 30.F

M.P/F.P Text:ABOUT

Decomp Temp:Decomp

Text:NOT PROVIDED

Vapor Pres:17

Vapor Density:N/E

Spec Gravity:1.11

pH:1.0

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:1 (WATER=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR LIQUID, ETHER ODOR.

Percent Volatiles by Volume:~ 75

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALINE PRODUCTS.

Stability Condition to Avoid:NOT PROVIDED

Hazardous Decomposition Products:OXIDES
OF CARBON

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

Toxicological Information:EYE: MAY PRODUCE REDDNESS, BURNING AND STINGING. PROLONGED AND/OR REPEATED CONTACT MAY CAUSE CHEMICAL CONJUNCTIVITIS WHICH MAY CAUSE BLINDNESS. SKIN: MAY CAUSE REDNESS, FLAKING AND DRYING OF THE SKIN. PROLONGED AND/OR REPEATED CONTACT MAY CAUSE DERMATITIS AND BURNS. INGESTION: MAY CAUSE NAUSEA, VOMITING, DIARRHEA AND IRRITATION AND/OR BURNS TO THE DIGESTIVE TRACT. IN

HALATION: MAY CAUSE IRRITATION AND/OR BURNS TO THE
BRONCHIAL MEMBRANES AND/OR PULMONARY EDEMA.
CHRONIC/CARCINOGENICITY: NOT LISTED AS A KNOWN CARCINOGEN.
TERATOLOGY: DOES NOT CONTAIN ANY TERATOGENS. REPRODUCTION: DOES NOT
CONTAIN A NY HARMFUL REPRODUCTIVE AGENTS.

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

Ecological:ECOTOXICOLOGICAL INFORMATION: ENVIRONMENTAL FATE AND EFFECTS
ARE NOT ESTABLISHED.

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

Waste Disposal Methods:SUITABLE FOR DISPOSAL BY AN APPROVED FACILITY OR
CAN BE DISPOSED OF IN ANY GOVERNMENT APPROVED WASTE SITE.

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

Transport Information:D.O.T. SHIPPING NAME: PHOSPHORIC ACID 21 %.
TECHNICAL SHIPPING NAME: NOT APPLICABLE. D.O.T. HAZARD CLASS:
CORROSIVE. UN/NA NUMBER: UN 1805. PRODUCT RQ (LBS): NOT APPLICABLE.
D.O.T. LABEL: CORROSIVE. D .O.T. PLACARD: >1000 LBS.

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

SARA Title III Information:CERCLA REPORTABLE QUANTITY (RQ) : NONE. SARA
TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: NONE.
SECTION 311/312 HAZARDOUS CATEGORIES: NONE. SECTIONS 313 TOXIC
CHEMICALS: GLYCOL ETHERS.

Federal Regulatory Information:TSCA STATUS: ALL INGREDIENTS ARE LISTED
IN THE TSCA INVENTORY. RCRA STATUS: NONE PER 40 CFR P 261D.

State Regulatory Information:CALIFORNIA PROPOSITION 65: NONE
REPORTAB

LE. NEW JERSEY RIGHT-TO-KNOW INFORMATION: PHOSPHORIC ACID,
2-BUTOXY ETHANOL, WATER.

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

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