

HELION INDUSTRIES INC -- HELIOFIX,PART A -- 6750-01-353-5780

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

Product ID:HELIOFIX,PART A

MSDS Date:04/01/1986

FSC:6750

NIIN:01-353-5780

Kit Part:Y

MSDS Number: BVVHL

=== 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:201-759-0200/800-424-9300

(CHEMTREC)

Preparer's Name:KENNETH R. CIOLETTI

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:VISUAL GRAPHICS CORP.

Address:5701 NW 94 TH AVENUE

Box:City:TAMARAC

State:FL

ZIP:33321-4317

Country:US

Phone:305-722-3000 EXT. 2299

CAGE:26030

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

Ingred Name:WATER

CAS:7732-18-5

RTECS

#:ZC0110000
Fraction by Wt: 30 - 40%
Other REC Limits:NONE RECOMMENDED

Ingred Name:ACETIC ACID (SARA III)
CAS:64-19-7
RTECS #:AF1225000
Fraction by Wt: 5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 PPM
ACGIH TLV:10 PPM/15 STEL; 9394
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:AMMONIUM THIOSULFATE
CAS:7783-18-8
RTECS #:XN6465000
Fraction by Wt: 45- 55%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM SULFITE
CAS:7757-83-7
RTECS #:WE2150000
Fraction by Wt: 5 - 10%
Other REC L
imits:NONE RECOMMENDED

Ingred Name:SODIUM BORATE,DECAHYDRATE/BORAX
CAS:12447-40-4
RTECS #:VZ2275000
Fraction by Wt: 0.5 - 5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3
ACGIH TLV:5 MG/M3

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY
AND GA

GASTROINTESTINAL TRACTS. ACUTE- EYE:MAY CAUSE IRRITATION OR TISSUE DAMAGE. SKIN:MAY CAUSE IRRITATION. INHALATION:MAY CAUSE IRRITATION OF RESPIRATORY TRACT. INGESTION:MAY CAUSE IRRITATION OR CORROSION OF GASTROINTESTINAL TRACT. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL TRACTS IRRITATION

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING DISORDERS MAY BE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP & WATER. EYE:FLUSH EYES WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. ORAL:IF CONSCIOUS, DRINK 2-4 GLASSES OF MILK OR WATER. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY.

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. DIKE SPILL AND SOAK UP WITH SAND OR COMMERCIALY AVAILABLE ACID SPILL KIT. SWEEP UP

ABSORBANT AND PLACE IN A HAZARDOUS WASTE CONTAINER.

Neutralizing Agent:WEAK BASE

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

Handling and Storage Precautions:STORE IN COOL, WELL VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE HAZARDOUS. REMOVE AND WASH CONTAMINATED CLOTHING IMMEDIATELY. DO NOT STORE NEAR HEAT. DO NOT STORE

FOOD, DRINK OR TOBACCO IN AREA
WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL.

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

Respiratory Protection:NONE SHOULD BE NEEDED.
Ventilation:LOCAL EXHAUST RECOMMENDED.
Protective Gloves:RUBBER OR LATEX
Eye Protection:CHEMICAL SAFETY GOGGLES/SPLASH SHIELD
Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, RUBBER OR
PLASTIC APRON
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.
Supplemental Safety and Health
KEY1:C3. THIS IS A TWO-PART KIT (HELIOFIX AND HARDENER). THE
MANUFACTURER DID NOT PROVIDE PART B.

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

HCC:C3
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:>212F,>100C
Spec Gravity:1.35
pH:5.3
Evaporation Rate & Reference: