

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

Product ID:3-7-90 TYPE S DEVELOPER REPLENISHER PART B

MSDS Date:09/01/1996

FSC:6525

NIIN:01-096-0617

Kit Part:Y

MSDS Number: CCHYT

=== Responsible Party ===

Company Name:PICKER INTERNATIONAL

Address:2540 METROPOLITAN DRIVE

City:TREVOSE

State:PA

Country:US

Emergency Phone Num:609-424-3620

CAGE:PICKE

=== Contractor Identification ===

Company

Name:PICKER INTERNATIONAL

Address:4 ESTERBROOK LANE

City:CHERRY HILL

Phone:(609) 424-3620

CAGE:PICKE

Company Name:PICKER INTL INC

Box:UNKNOWN

CAGE:8A053

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

Ingred Name:ACETIC ACID (CERCLA)

CAS:64-19-7

RTECS #:AF1225000

Fraction by Wt: 30-40%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 PPM

ACGIH TLV:10 PPM/15 STEL; 9596

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:DIETHYLENE GLYCOL

CAS:111-46-6

RTECS #:ID5950000

Fracti

on by Wt: 30-40%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 30-40%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:1-PHENYL-3-PYRAZOLIDONE  
CAS:92-43-3  
RTECS #:UQ8750000  
Fraction by Wt: 3-7%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IAR  
C:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE CONTACT MAY CAUSE BURNS. VAPOR IRRITATING TO EYES. SKIN CONTACT CAUSES IRRITATION. HARMFUL IF SWALLOWED. MAY CAUSE BURNS OF THE GASTROINTESTINAL TRACT. INHALATION OF VAPOR MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT. CONTAINS ACETIC ACID WHICH MAY PUT PERSONS WHO HAVE CHRONIC DISEASE AT INCREASED RISK.  
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.  
Effects of Overexposure:EYE BURNS, SKIN IRRITATION, GI TRACT BURNS, UPPER RESPIRATORY TRACT IRRITATION.  
Medical Cond Aggravated by Exposure:CONTAINS ACETIC ACID WHICH MAY PUT PERSONS WHO HAVE CHRONIC RESPIRATORY, SKIN OR EYE DISEASE AT AN INCREASED RISK.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMIN

ATED CLOTHING.

WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IN HALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MD.

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

Flash Point:>200F,>93C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:ATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL FOAM.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:FIRE MAY PRODUCE HAZARDOUS AND/OR TOXIC DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNT OF WATER IF ALLOWABLE. MAY REQUIRE NEUTRALIZATION IF PH BELOW 3 OR ABOVE 12.

OTHERWISE ABSORB SPILL WITH VERMICULITE OR OTHER SUITABLE ABSORBENT

AND PLACE IN IMPERVIUOUS CONTAINER FOR DISPOSAL. REMOVE RESIDUAL. Neutralizing Agent:SODIUM BICARBONATE (BAKING SODA).

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

Handling and Storage Precautions:AVOID CONTACT WITH EYES, SKIN AND CLOTHING. STORE BETWEEN 10-25 C(50-80F). PROTECT SHIPMENTS FROM FREEZING (KEEP ABOVE 40F).

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

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Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, AN APPROVED RESPIRATOR MUST BE WORN. RESPIRATOR TYPE: ORGANIC VAPOR, ACID GAS. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE INSTITUTED.

Ventilation:GOOD GENERAL VENTILATION (10 ROOM VOLUMES PER HOUR) SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS BELOW EXPOSURE LIMIT

Protective Gloves:NITRILE RUBBER

Eye Protection:CHEMICAL SPLASH GOGGLES OR FACE SHIELD

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

KEY1:C4. WASH CONTAMINATED CLOTHING BEFORE REUSE. DISCARD CONTAMINATED SHOES.

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

HCC:C1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:1.1

pH:2

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

Appearance and Odor:ORANGE/BLACK LIQUID, PUNGENT ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, BASES.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

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

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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