

HARVEY UNIVERSAL, INC. ENVIRON -- 1000 SCALE AND RUST REMOVER

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MSDS Safety Information  
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FSC: 6850  
NIIN: 01-394-2642  
MSDS Date: 03/04/1995  
MSDS Num: BWPJZ  
Product ID: 1000 SCALE AND RUST REMOVER  
MFN: 01  
Responsible Party  
Cage: 0YK18  
Name: HARVEY UNIVERSAL, INC. ENVIRONMENTAL PRODUCTS GRP  
Address: 1805 W. 208TH ST  
City: TORRANCE CA 90501  
Info Phone Number: 310-328-9000 FAX: 310-328-9100  
Emergency Phone Number: 800-424-9300 (CHEMTREC)  
Preparer's Name: UNKNOWN  
Review Ind: Y  
Published: Y

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Contractor Summary  
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Cage: 0YK18  
Name: HARVEY UNIVERSAL INC  
Address: 1805 W 208TH ST  
City: TORRANCE CA 90501  
Phone: 310-328-9000

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Item Description Information  
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Item Manager: S9G  
Item Name: SCALE REMOVING COMPOUND  
Specification Number: NONE  
Type/Grade/Class: NONE  
Unit of Issue: GL  
UI Container Qty: 1 GALLON  
Type of Container: UNKNOWN

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Ingredients  
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Cas: 7732-18-5  
RTECS #: ZC0110000  
Name: WATER  
% Wt: UNKNOWN  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 7647-01-0  
RTECS #: MW4025000  
Name: HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA 302/313) (CERCLA)  
% Wt: 20  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: C 5 PPM  
ACGIH TLV: C 5 PPM; 9495  
EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS

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RTECS #: 1000602IN  
Name: INHIBITORS  
% Wt: UNKNOWN  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
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RTECS #: 1001516AS  
Name: ANIONIC SURFACTANT  
% Wt: UNKNOWN  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
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Health Hazards Data  
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LD50 LC50 Mixture: UNKNOWN  
Route Of Entry Inds - Inhalation: YES  
Skin: YES  
Ingestion: YES  
Carcinogenicity Inds - NTP: NO  
IARC: NO  
OSHA: NO

Effects of Exposure: ACUTE: INHALATION OF FUMES, MISTS, OR VAPORS MAY CAUSE SEVERE RESPIRATORY IRRITATION; INJURY TO MUCOUS MEMBRANES & LUNGS. EXPOSURE TO LIQUID, FUMES OR MISTS MAY CAUSE SEVERE SKIN & EYE IRRITATION; BURNS. CORROSIVE, HARMFUL IF SWALLOWED. CHR ONIC: NONE SPECIFIED BY MANUFACTURER.

Explanation Of Carcinogenicity: NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUEPECTED CARCINOGEN.

Signs And Symptions Of Overexposure: INHALED-COUGHING, WHEEZING, SNEEZING, SHORTNESS OF BREATH, BURNING SENSATION OR PAIN IN CHEST. INGESTED-NAUSEA, VOMITING, BURNS TO MOUTH/THROAT, STOMACH PAIN. EYES-PAIN, REDNESS, BURNS, TEARING. SKIN-REDNESS, BURNS, PAIN.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: EYES-FLUSH WITH WATER FOR 15 MINUTES, HOLD LIDS OPEN. CONTACT A PHYSICIAN. SKIN-FLUSH WITH LOTS OF WATER FOR 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHES/SHOES. INGESTED-IF CONSCIOUS, WASH MOUTH OUT WITH WATER.GET IMMEDIATE MEDICAL ATTEN TION. INHALED-REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION.  
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Handling and Disposal  
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Spill Release Procedures: EVACUATE UNECESSARY PERSONNEL. WEAR PROPER PERSONAL PROTECTIVE GEAR-RESPIRATOR W/ACID MIST CARTRIDGE, RUBBER BOOTS & GLOVES. STOP LEAK OR SPILL. COVER WITH DRY-LIME, SAND OR SODA ASH. PLACE IN COVERED CONTAINERS. VENTILATE & WASH AREA AFTER CLEAN-UP.

Neutralizing Agent: DRY-LIME, SODA ASH.

Waste Disposal Methods: ADD TO EXCESS OF WATER & ADJUST PH; SEPARATE SOLIDS/INSOLUBLE LIQUIDS AND PACKAGE AS HAZARDOUS WASTE. NORMALLY AQUEOUS SOLUTION MAY BE FLUSHED DOWN DRAIN. OBSERVE ALL LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions: STORE IN A COOL, DRY PLACE. STORE ONLY IN ORIGINAL CONTAINERS.

Other Precautions: PRODUCT CONTAINS AN INORGANIC ACID AND ISBIODEGRADEABLE.

UPON NEUTRALIZATION, THE ACID FORMS INERT INORGANIC SALTS (ALSO BIODEGRADABLE). THE SURFACTANTS USED IN THIS PRODUCT ARE BIODEGRADABLE.

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Fire and Explosion Hazard Information  
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Flash Point Text: NONE  
Extinguishing Media: USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.  
Unusual Fire/Explosion Hazard: EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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Control Measures  
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Respiratory Protection: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR W/ACID MIST CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134.  
Ventilation: USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).  
Protective Gloves: RUBBER.  
Eye Protection: CHEMICAL SPLASH GOGGLES/FACESHIELD  
Other Protective Equipment: IMPERVIOUS PROTECTIVE CLOTHING. DLA-: EYE WASH STATION & SAFETY SHOWER AVAILABLE.  
Work Hygienic Practices: WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE.  
Supplemental Safety and Health: MSDS PRESENTED BY CAGE 0KY18 FOR CONTRACT NUMBER SP0450-95-M8990.

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Physical/Chemical Properties  
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HCC: C1  
B.P. Text: 226F, 108C  
M.P/F.P Text: UNKNOWN  
Decomp Text: UNKNOWN  
Vapor Pres: UNKNOWN  
Vapor Density: UNKNOWN  
Spec Gravity: 1.10  
PH: <1.0  
Viscosity: UNKNOWN  
Evaporation Rate & Reference: UNKNOWN  
Solubility in Water: COMPLETE  
Appearance and Odor: PALE YELLOW LIQUID; SHARP ODOR.  
Corrosion Rate: UNKNOWN

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Reactivity Data  
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Stability Indicator: YES  
Stability Condition To Avoid: AVOID CONTACT WITH BASES, AMINES, ALKALI METALS, ALUMINUM, MAGNESIUM.  
Materials To Avoid: BASES, AMINES, ALKALI METALS, ALUMINUM, MAGNESIUM.  
Hazardous Decomposition Products: TOXIC FUMES OF HYDROGEN CHLORIDE GAS.  
Hazardous Polymerization Indicator: NO  
Conditions To Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information  
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Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: 0YK18  
Trans ID NO: 133491  
Product ID: 1000 SCALE AND RUST REMOVER  
MSDS Prepared Date: 03/04/1995  
Review Date: 06/28/1995  
MFN: 1  
Tech Entry NOS Shipping Nm: HYDROCHLORIC ACID, 20%  
Net Unit Weight: 9.2 LBS  
AF MMAC Code: NR  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: GL  
Container QTY: 1 GALLON  
Type Of Container: UNKNOWN  
Additional Data: PSN IS PER MANUFACTURER MSDS. SAMMS-CTDF SAYS USE UN 1A1 METAL CAN- DISAGREES-STEEL, UNLESS IT IS COATED OR LINED, WILL SEVERELY CORRODE IN HYDROCHLORIC SOLUTIONS. PER C. MEYERS, DGSC-PRODUCT CENTER 4, PRODUCT IS SHIPPED IN A HDPE JUG F ROM MFR, WHICH IS OK.

Detail DOT Information

DOT PSN Code: DWG  
DOT Proper Shipping Name: CORROSIVE LIQUIDS, N.O.S.  
Hazard Class: 8  
UN ID Num: UN1760  
DOT Packaging Group: III  
Label: CORROSIVE  
Special Provision: T7  
Non Bulk Pack: 203  
Bulk Pack: 241  
Max Qty Pass: 5 L  
Max Qty Cargo: 60 L  
Vessel Stow Req: A  
Water/Ship/Other Req: 40

Detail IMO Information

IMO PSN Code: ESH  
IMO Proper Shipping Name: CORROSIVE LIQUID, N.O.S. o  
IMDG Page Number: 8147  
UN Number: 1760  
UN Hazard Class: 8  
IMO Packaging Group: I/II/III

Subsidiary Risk Label: -  
EMS Number: 8-15  
MED First Aid Guide NUM: 760

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Detail IATA Information  
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IATA PSN Code: HKW  
IATA UN ID Num: 1760  
IATA Proper Shipping Name: CORROSIVE LIQUID, N.O.S. \*  
IATA UN Class: 8  
IATA Label: CORROSIVE  
UN Packing Group: III  
Packing Note Passenger: 818  
Max Quant Pass: 5L  
Max Quant Cargo: 60L  
Packaging Note Cargo: 820

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Detail AFI Information  
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AFI PSN Code: HKW  
AFI Symbols: \*  
AFI Proper Shipping Name: CORROSIVE LIQUID, N.O.S.  
AFI Hazard Class: 8  
AFI UN ID NUM: UN1760  
AFI Packing Group: III  
Special Provisions: P5  
Back Pack Reference: A12.3

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HAZCOM Label  
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Product ID: 1000 SCALE AND RUST REMOVER  
Cage: 0YK18  
Company Name: HARVEY UNIVERSAL INC  
Street: 1805 W 208TH ST  
City: TORRANCE CA  
Zipcode: 90501  
Health Emergency Phone: 800-424-9300 (CHEMTREC)  
Label Required IND: Y  
Date Of Label Review: 06/27/1995  
Status Code: C  
Label Date: 06/27/1995  
Year Procured: 1995  
Origination Code: F  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: DANGER  
Respiratory Protection IND: YES  
Health Hazard: Moderate  
Contact Hazard: Severe  
Fire Hazard: None  
Reactivity Hazard: Slight  
Hazard And Precautions: CORROSIVE! INHALATION OF FUMES, MISTS OR VAPORS MAY CAUSE SEVERE RESPIRATORY IRRITATION; INJURY TO MUCOUS MEMBRANES & LUNGS. EXPOSURE TO LIQUID, FUMES OR MISTS MAY CAUSE SEVERE SKIN & EYE IRRITATION; BURNS. HARMFUL IF SWALLOWED. TARGET ORGANS: SK IN, EYES, LUNGS. FIRST AID: EYES-FLUSH WITH WATER FOR 15 MINUTES, HOLD LIDS OPEN. CONTACT A PHYSICIAN. SKIN-FLUSH WITH LOTS OF WATER FOR 15 MINUTES WHILE REMOVING

CONTAMINATED CLOTHES/SHOES.INGESTED-IF CONSCIOUS,WASH MOUTH OUT WITH WATER.GET IMM EDIATE MEDICAL ATTENTION.INHALED-REMOVE TO FRESH AIR.GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING.GET IMMEDIATE MEDICAL ATTENTION.

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