

METREX RESEARCH CORP. -- VERDAN 14 -- 6840-00-926-9117

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

Product ID:VERDAN 14

MSDS Date:06/14/1991

FSC:6840

NIIN:00-926-9117

MSDS Number: BPJGG

=== Responsible Party ===

Company Name:METREX RESEARCH CORP.

Address:10270 S DRANSFELDT

Box:646

City:PARKER

State:CO

ZIP:80134

Country:US

Info Phone Num:303-841-5842

Emergency Phone Num:303-841-5842

CAGE:0DZK5

=== Contracto

r Identification ===

Company Name:METREX RESEARCH CORP.

Address:10270 S DRANSFELDT

Box:646

City:PARKER

State:CO

ZIP:80134

Country:US

Phone:800-841-1428

CAGE:0DZK5

Company Name:VERDAN HEALTH CARE PRODUCTS DIV

Address:16715 MERIDIAN AVE E

Box:City:PUYALLUP

State:WA

ZIP:98373

Country:US

CAGE:0MH91

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

Ingred Name:GLUTARALDEHYDE

CAS:111-30-8

RTECS #:MA2450000

Fraction by Wt: 2.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 0.2 PPM

A

CGIH TLV:C 0.2 PPM; 9293

Ingred Name:INERT BUFFER SALTS

Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 98.0%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:REPEATED CONTACT WITH SKIN MAY CAUSE
SENSITIZATION IN SOME PEOPLE, RESULTING IN ALLE

RGIC CONTACT

DERMATITIS.

Explanation of Carcinogenicity:BASED ON INFORMATION IN MSDS.

Effects of Overexposure:EYES: SEVERE IRRITATION. SKIN: MODERATE

IRRITATION. INHALATION: LOW OR MILD IRRITATION. INGESTION: TOXIC

Medical Cond Aggravated by Exposure:MANUFACTURER STATES UNKNOWN.

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

First Aid:EYES:PROMPTLY FLUSH EYES WITH WATER FOR 15 MINUTES, LIFTING
EYE LIDS. GET MEDICAL ATTENTION. SKIN: WASH SKIN WITH SOAP AND

WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION:
MOVE VICTIM PROMPTLY TO FRESH AIR. GIVE OXYGEN IF BREATHING IS
DIFFICULT. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE
VOMITING. GIVE LARGE AMOUNTS OF WATER. CALL FOR MEDICAL HELP
IMMEDIATELY IF NECESSARY.

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

Flash Point:NOT FLAMMABLE

Extinguishing Media:CARBON DIOXIDE OR DRY CHEMICAL

Fire Fighting Procedures:IF EXPOSED TO VAPORS USE RESPIRATORY

EQUIPMENT.

Unusual Fire/Explosion Hazard:IF WATER IS EVAPORATED, MATERIAL CAN BURN.

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

Spill Release Procedures:VENTILATE AREA; WEAR GLOVES AND PROTECTIVE EYE GEAR. FOR SMALL SPILLS, WIPE WITH SPONGE OR MOP DOWN AREA WITH EQUAL MIXTURE OF HOUSEHOLD AMMONIA AND WATER. FLUSH WITH LARGE QUANTITIES OF WATER. FOR LA RGE SPILLS, USE AMMONIUM CARBONATE TO NEUTRALIZE.

Neutralizing Agent:EQUAL MIXTURE OF WATER AND HOUSEHOLD AMMONIA.
AMMONIUM CARBONATE

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

Handling and Storage Precautions:USE IN WELL VENTILATED AREA. WEAR SAFETY GLASSES. GLOVES SHOULD BE WORN.

Other Precautions:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. AVOID REPEATED OR PROLONGED CONTACT WITH SKIN OR EYES. DO NOT INGEST. AVOID SKIN CONTACT. DO NOT GET IN EYES.

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

Respiratory Protection:NONE NORMALLY REQUIRED IF USED IN WELL VENTILATED AREA.

Ventilation:LOCAL EXHAUST SHOULD BE SUFFICIENT WITH USE OF COVERED CONTAINERS.

Protective Gloves:YES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:EYE WASH STATION.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES. AVOID CONTAMINATION OF FOOD.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT INGEST. READ PRECAUTIONS ON LABEL BEFORE USE.

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

HCC:N1

Boiling Pt:B.P. Text:212F,100C

Vapor Pres:17

Vapor Density:0.63

Spec Gravity:1.004 (WATER=1)

pH:3-8.5

Evaporation Rate & Reference:0.84 (BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR UNACTIVATED; ACTIVATED SOLUTION IS GREEN WITH A MILD GLUTARALDEHYDE ODOR.

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

Stability Indicator/Materials to Avoid:YES

ACIDS AND ALKALINES WILL NEUTRALIZE ACTIVE INGREDIENT.

Stability Condition to Avoid:AVOID HIGH TEMPERATURES ABOVE 200F. AVOID
REMOVAL OF WATER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:DISCHARGE RESIDUAL SOLUTION IN DRAIN. FLUSH WITH
LARGE QUANTITIES OF WATER. DO NOT REUSE EMPTY CONTAINERS. WRAP
CONTAINERS AND PUT IN TRASH.

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