

Reference Number : PHARD
Revision Date : 23/02/1995
Revision Number : 0
Material / Trade Name : VELOPEX DEVELOPER HARDENER

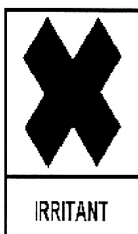
1 - Substance Identification

(Synonym :)

Material / Trade Name : VELOPEX DEVELOPER HARDENER
Material Type : Hardener additive
Company : MEDIVANCE INSTRUMENTS LIMITED
Address : Barretts Green Road,
Harlesden,
London.
NW10 7AP
Telephone : 0181 965 2913
Fax : 0181 963 1270
Emergency Telephone :

**2 - Composition**

Substance	% Wt.	Cas Number	Eec Number
Glutaraldehyde-Bis-Bisulphite-Complex (Xi;R36/38-R43) in Water	20-30		
Free Glutaraldehyde (Xi;R36/38-R43)	Trace	111-30-8	203-856-5
Free Sulphur Dioxide (T;R23 Xi;R36/37)	Trace	7446-09-5	231-195-2

3 - Hazard Identification**a) Hazard Symbols:****b) Risk & Safety:**

IRRITATING TO EYES AND SKIN
MAY CAUSE SENSITIZATION BY SKIN CONTACT
Keep Out Of Reach Of Children
Do Not Breathe Vapour
Avoid Contact With Skin And Eyes
Wear Suitable Gloves
If Swallowed, Seek Medical Advice Immediately And Show This Container/Label

4 - First-aid Measures**a) Inhalation:**

Remove To Fresh Air And Rest
If Recovery Is Not Rapid Obtain Prompt Medical Attention

b) Eyes:

Irrigate With Water For At Least 15 Minutes
Get Prompt Medical Attention

c) Skin:

Remove Contaminated Clothing
Wash With Soap/cleanser And Rinse With Plenty Of Water
If Irritation Persists, Obtain Medical Attention

d) Ingestion:

Do Not Induce Vomiting
Give Plenty Of Water To Drink
Beware Of Aspiration If Vomiting Occurs
Seek Medical Attention Immediately

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5 - Fire-fighting Measures

- a) Suitable Extinguishers: Non-flammable Material
- b) Unsuitable Extinguishers: Not Applicable
- c) Hazardous Decomposition: Toxic Fumes Are Produced When Substance Is Involved In A Fire
- d) Special Procedures:
 Wear Fire Retardant Clothing
 Do Not Breath Decomposition Products And Fumes
 Use Approved Self-Contained Breathing Apparatus

6 - Accidental Release Measures

- a) Exposure Controls:
 Ventilate Area
 Isolate The Spillage
- b) Personal Protection:
 Wear Rubber Gloves
 If Eye Contact Is Probable Use Safety Glasses Or Chemical Goggles
- c) Disposal Considerations:
 Absorb In Inert Material Such As Sand Or Absorbent Granules
 Scoop Up And Place In Plastic Container To Await Transfer
 Do Not Allow Spill To Enter Drains/Sewers/Water Courses
 Dispose Of In Accordance With Local Authority Regulations

7 - Handling And Storage

- a) Handling:
 Avoid Inhalation Of Vapour
 Ensure Adequate Ventilation
 Avoid Skin Contact
 Avoid Eye Contact
 Wear Suitable Protective Clothing (See Section 8)
- b) Storage:
 Store In Tightly Closed Labelled Containers
 Store In Cool, Dry, Well Ventilated Area
 Store Away From Acids and Alkalis/Strong Bases
 Store Away From Oxidising Materials

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8 - Exposure Controls

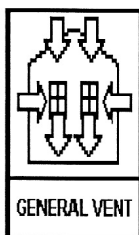
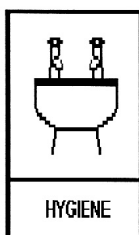
Occupational Exposure Limit : 8hrTWA,15minSTEL:0.2,0.7(ppm) Glutaraldehyde
Biological Exposure Limit : Not Assigned



Wear Rubber Gloves



Keep Skin Covered

Use In Well
Ventilated AreasIf Splashing Is
LikelyIf Skin Is
Contaminated, Wash
Off Immediately**9 - Physical & Chemical Properties**

Appearance	Colourless liquid
Odour	Slight - trace glutaraldehyde/sulphur dioxide
Ph	3-4
Boiling Point/range	~100oC
Melting Point/range	n/a
Flash Point	n/a
Flammability	NON-FLAMMABLE
Autoflammability	n/a
Explosive Properties	n/a
Oxidising Properties	None
Vapour Pressure	n/a
Relative Density	1.51
Solubility	Completely soluble in water
Partition Coefficient	n/a
Miscibility	Completely miscible with water
Vapour Density	n/a
Evaporation Rate	n/a
Viscosity	n/a

n/a - not applicable

10 - Stability And Reactivity

Stability: Stable At Normal Temperatures
Hazardous Polymerisation: Will Not Occur
Conditions To Avoid: High Temperature
Materials To Avoid: Acids
Materials To Avoid: Strong Bases
Materials To Avoid: Oxidising Agents
No Hazardous Decomposition Products When Stored And Handled Correctly

11 - Toxicological Information

No Toxicity Data Available For Preparation
May Be Harmful If Swallowed
Health Effects: Irritating To Eyes
Health Effects: Irritating To Skin
Acute Effects: Irritation And Redness At The Site Of Skin Contact
Health Effects: Repeated Skin Contact May Cause Sensitisation
Chronic Effects: None Known

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12 - Ecological Information

No Adverse Environmental Effects Foreseen
 Not Expected To Bioaccumulate
 Not Expected to Persist In The Environment
 BOD/COD (expected) >0.5
 Ecotoxicity: No Specific Data Available

13 - Disposal Considerations

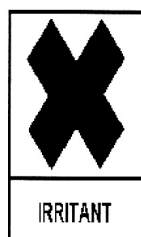
Do Not Discharge Into Drains Or Watercourses
 Dispose Of Through An Authorised Contractor To A Licensed Landfill Site
 Dispose Of In Accordance With Local Authority Regulations

14 - Transport Information

UN/SI Number: n/e
 IMO: n/e Packing Grp: n/e Marine Pollutant: No
 IATA/ICAO: n/e Packing Grp: n/e
 ADR/RID: n/e Item: n/e
 Transport Name: UK Road - NON-HAZARDOUS
 Hazchem/Kemler Code: n/e
 n/e - none established

15 - Regulatory Information

a) Hazard Symbols:



b) Risk & Safety:

IRRITATING TO EYES AND SKIN
 MAY CAUSE SENSITIZATION BY SKIN CONTACT
 Keep Out Of Reach Of Children
 Do Not Breathe Vapour
 Avoid Contact With Skin And Eyes
 Wear Suitable Gloves
 If Swallowed, Seek Medical Advice Immediately And Show This Container/Label

c) Other Regulations:

Health & Safety At Work Act 1974
 Control Of Substances Hazardous To Health Regulations 1994
 Environmental Protection Act 1990

d) Transport Information:

UN/SI Number: n/e
 IMO: n/e Packing Grp: n/e Marine Pollutant: No
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16 - Other Information

Not Applicable