



EURO CHEMO-PHARMA SDN. BHD.

(Company No. 27975-H)

2408 & 2809, Lorong Perusahaan Satu, Prai Industrial Estate, 13600 Prai, Penang, Malaysia.
 HEAD OFFICE : Tel : (604)-3997337 & 3901941 (Hunting Line) Fax : (604)-3997513 & 3987606
 Email : marketing@eurochemo.com Website : www.eurochemo.com

5, Jalan Astaka U8/82, Seksyen U8, Bukit Jelutong, 40150 Shah Alam,
 Selangor Darul Ehsan, Malaysia.
 BRANCH OFFICE : Tel : (603)-78461188 Fax : (603)-78461663 & 78468663
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CHEMICAL SAFETY DATA SHEET

Review No : 1

Date Of Review : 0000-00-00

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Total page	5
Date of Issue	22 May 2001
Product Name	Formalin 37%
Trade Name	N/A
Chemical Name	Formaldehyde, methanal, methyl aldehyde.
Chemical Formula	CH ₂ O
Molecular Weight	30.0
Chemical Family	Aldehyde
Manufacturer Code	N/A
Use	Urea and melamine resins, fertilizers, preservative, hardening agent, reducing agent, germicide and
Supplier's Name	Euro Chemo-Pharma Sdn. Bhd.
Supplier's Address	2408 & 2809, Lorong Perusahaan Satu, Prai Industrial Estate, 13600 Prai, Penang, Malaysia
Emergency Tel. No	04-3997337 @ 04-3901941

SECTION 2 : COMPOSITION OF/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Proportion	Exposure Limit
Formaldehyde	50-00-0	37% min.	1 ppm (TLV-TWA)



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SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless solution
Odour	Strong, pungent
Solubility	Soluble in water and alcohol
Boiling Point	96°C
Melting Point	-15°C
Vapour Pressure	ca. 1.52
Percent Volatiles	None identified
Vapour Density	1.08
Specific Gravity	1.1
Other properties	N/A
pH	2.8 - 4.0

SECTION 4 : HAZARD IDENTIFICATION

Proposed Classification	Toxic.
Most Important Hazards	Vapours intensely irritating to mucous membranes.

SECTION 5: FIRST AID MEASURES

Eye Contact	Flush with water and take to doctor.
Skin Contact	Removed contaminated clothing, flush skin with water, refer to doctor.
Inhalation	Fresh air, rest, place in half-sitting position, take to hospital.
Ingestion	Rinse mouth. Do not induce vomiting. Seek medical advice immediately.



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SECTION 6 : FIRE FIGHTING MEASURES

Flash Point	80°C
Autoignition Temperature	ca. 400°C
Flammable Limit	7 - 73
Explosion Properties	Above 80°C, form explosive air-vapour mixtures.
Extinguishing Media	Powder, alcohol-resistant foam, water spray, carbon dioxide.
Firefighting Instruction	Keep the drums/tanks cool by spraying with water. Remove the container away from the fire area if this can be done without hazard. Respiratory and eye protections are required for the fire fighters.

Explosion Hazards in Present of Various Chemical: Risk of fire and explosion in the presence of strong oxidants and various organic substances.

SECTION 7 : ACCIDENTAL RELEASE MEASURE

Leak/Spill	Collect leakage in sealable containers, flush away remainder with water. (Additional protection : breathing apparatus)
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SECTION 8: HANDLING AND STORAGE

Handling	Keep away from open flame. No smoking.
Storage	Keep in cool place (21°C). Separate from oxidants. Ventilate at floor level.

SECTION 9: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limit	1 ppm
Eyes Protection	Face shield or combined eye and respiratory protection.
Skin Protection	Gloves and protective clothing.
Respiratory Protection	Use general or local exhaust ventilation.
Ingestion Protection	Wash hand after using this product. Do not eat in the working area.



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SECTION 10 :STABILITY AND REACTIVITY

Condition to Avoid	Open flame.
Incompatible	Strong oxidants, acids, organic substances.
Decomposition Products	Carbon dioxide, carbon monoxide
Hazardous Polymerization	More or less readily able to polymerize.

SECTION 11 :TOXICOLOGICAL INFORMATION

Toxicity Data	LD50orally (rat) : 0.8g/kg
Carcinogenicity	Cancer suspected agents.
Reproductive effect	Not established.
Effectsover exposure	Skin disorder, mucous membranes irritation, abdominal pain, coma, death, redness, pain, burns, impaired vision, diarrhea
Chronic effects	Damage to mucous membranes, central nervous system, lung.
Target organs	Eyes, skin, respiratory tract, central nervous system and lung.
Medical Conditions Generally Aggravated by Exposure :	Skin disorder, coma, diarrhea, hematemesi, lung edema.

SECTION 12: ECOLOGICAL INFORMATION

Mobility	Miscible with water
Bioaccumulation	None identified
Biodegradability	None identified
Toxicity	Toxic to aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATION

Dispose of by complying with applicable regulations.



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SECTION 14 :TRANSPORT INFORMATION

International National regulatory	HI : 80 : UN-Number : 2209
Packing Information	Air-tight packaging.
Other Special Requirements	None

SECTION 15: REGULATORY INFORMATION

Risk phrase	R23/24/25-34-40-41. Toxic by inhalation, in contact with skin and if swallowed. Causes burns. Possible risk of irreversible effects. Risk of serious damage to eyes.
Safety phrase	S26-36/37-44-51. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing and gloves. If you feel unwell, seek medical advice. Us

SECTION 16 : CONTACT POINT

Person Name	Position	Contact Number
Mr. H.P. Tan	Managing Director	012-4868484
Mr. Jeryl Tan	Biochemist	019-4437766

SECTION 17: REFERENCES

Chemical Safety Sheet (1991)
 The Condensed Chemical Dictionary
 The Merck Index (Eleventh edition)