SILKFLEX POLYMERS SDN BHD (545022-T)
No.98, (Lot 9115), Jalan Tengah KS10 Telok Gong,
42000 Pelabuhan Klang, Selangor Darul Ehsan, Malaysia
Tel: +6-03-31341702 / 1703 / 1260 Fax: +6-03-3134 1670
Email : silkflexpolymers@hotmail.com
Website : www.silkflex.com.my
GST Reg. No.: 000094011392

MATERIAL SAFETY DATA SHEET

October 2018

1. Identification of the substance/preparation and of the Company/undertaking

Product Name	:	Fixer EKO
Product code	:	-
Product Use	:	Printing Ink for use on textile fabrics
Manufacturer	:	Silkflex Polymers Sdn. Bhd No. 98, (Lot 9115), Jalan Tengah KS10, Telok Gong, 42000 Pelabuhan Klang Selangor Darul Ehsan
Emergency telephone Number	:	6-03-31341703

2. Hazards identification

Not a hazardous substance or mixture according to the Dangerous Substance Directive 67/548/EEC and OSHA'S Hazard communication Standard, 29 OFR 1910.

3. Composition/information on ingredients

Chemical Name	CAS No	Symbol /R-Phrases OEL.	OSHA PEL	ANGIH TLV
Refer to Appendix 2.1 (Attached)				

Occupational Exposure limit (s), if available, are limited in section 8

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4. First aid measures

General : In all cases of doubt , or when symptoms persist, seek medical attention. If unconscious, place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person.

Inhalation: Not applicable. Water-based and non-hazardous vapour.

Eye contact: Immediately irrigate copiously with clean water for 5-10 minutes, keeping eyelids open. Seek medical attention if irritation persists.

Skin Contact: Remove contaminated clothes. Wash skin thoroughly with soap and water or use a suitable skin cleaner. DO NOT use solvent or thinners.

Ingestion: Keep person warm and at rest. DO NOT induce vomiting. If washing, hold down the head to reduce the risk of getting stomach content into the lungs. Obtain medical attention unless only an insignificant amount has been swallowed.

5. Fire fighting measures

Suitable: The wet inks are not flammable. For dry inks, in case of fire, use water spray (fog), foam, dry chemicals or CO_2. Closed containers may be cooled with water spray.

Not suitable: Not applicable.

Hazardous thermal: decomposition Product Refer to MSDS Section 10.

6. Accidental release measures

Personal precautions: Avoid contact with skin and eyes. Avoid inhalation of vapors. Refer to protective measures listed in sections 7 and 8.

Spill: Prevent entry into sewers, basements or confined areas, dike etc. Put the spilled material in an appropriate waste disposal.

7. Handling and storage

Handling : Avoid contact with skin and eyes. Avoid excessive inhalation of vapor. Eating and drinking should not be in area where this product is handled. Personal Protective Equipment, see section 8. Keep away from incompatibles in section 10.

Storage : Keep container tightly closed. Store in a dry, cool and well ventilated area. Storage temperature: refer to the Technical Data Sheet. Keep away from incompatibles mentioned in section 10.

Packaging material : Always keep in containers made from the same material as the original one .

8. Exposure control/personal protection

Engineering measures : Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapours below their respective Occupational Exposure limits. Ensure that eye wash station and safety showers are close to the workstation location .

Hygiene measure : Wash hands, forearms and face thoroughly after handling and before eating, smoking, using lavatory, and at the end of the day. Always immediately wash contaminated skin. Apply a suitable skin lotion.

Personal protection equipment

Respiratory system: Wear appropriate respirator when ventilation is inadequate.

Eyes: Wear safety goggles or other suitable protective equipment if there is a risk of contact.

Skin and body: Wear suitable protective clothing.

Hands: Wear suitable gloves.

9 . Physical and chemical properties

Physical state: High viscosity white paste

Density: 1.03 g/cm^3

Flash point: Not applicable (water-based)

Auto ignitions temperature: Not applicable (water-based)

Explosion limits: Not applicable (water-based)

10.Stability and reactivity

Stability: The product is stable.

Reactivity: Not reactive to oxidizing agents.

Hazardous thermal: decomposition products These products are carbon oxides (CO,CO_2).

11.Toxicological Information

Inhalation: In poorly ventilated places, inhalation of vapor may cause irritation of the respiratory system.

Eye contact: Can cause irritation and temporary damage if splashes come in contact with the eye.

Skin Contact: Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis.

Ingestion : Ingestion may cause stomach pains and vomiting .

12. Ecological information

Ecotoxicity: Complies with GOTS, REACH and Oeko-Tex.

13.Disposal Considerations

European Waste: Catalogues (EWC) 080112

Hazardous Waste: To the present knowledge of the supplier , this product is not regarded as hazardous waste as defined by EU Directive 91/689/EC.

Methods of disposal: Do not allow to enter drains or water course . Ship for treatment/ disposal in accordance with local regulations.

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14. Transport information

UN Number: Not regulated

IATA Regulation: Not regulated
(Remark : Non – dangerous Goods (Water-Based))

Mode of Transport: Can be shipped by Air / Sea / Rail

15. Regulatory Information

Classification
Risk Phrases: This product is not classified according to the EU regulations
Safety Phrases: Not applicable.

Other Information
Additional warning: Safety Date Sheet available for professional user on request .
Restriction to market: Not applicable.
Directive

16. Other information

Comment : This product is free of glycol.

The information in this brochure has been compiled in accordance to our best knowledge at the date of issue and is based on recent technological and scientific developments. However, this information should not be construed into recommending the use of our product in violation of any patent or as warranties (express or implied) of non-infringement or its fitness for any particular purpose. Prospective purchasers are invited to conduct their own tests and studies to determine the fitness Unaxol products for their particular purposes and specific applications. Due to the varying techniques and conditions applied, Silkflex accepts no responsibility for any use of the product, may be by way of experiment or manufacture no does Silkflex accepts any responsibility for the used techniques in any application whatsoever. Silkflex does not warrant against infringement of patents of third parties by reason of any uses purchasers make of the product.
*Silkflex: Silkflex Polymers Sdn. Bhd.

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(Appendix 2.1) Oct-18

2.1.1 CHEMICAL COMPOSITION (% BY WEIGHT)

Product Name	**Fixer EKO**		
Composition	**Chemical Type**	**CAS No.**	**% By Weight**
Polymer	Multi-Functional Cross Linker with Polyethylene Active Groups	9002-88-4	50 - 70
Biocide	Benzisothiazolinone (BIT)	2634-33-5	Less than 0.00105 %
Others	Water	7732-18-5	30 - 50