



CSC Screen Process Supplies Sdn. Bhd.

Safety Data Sheet

according to Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013 [P.U. (A) 310/2013] Malaysia

Version: 0.1 / EN

Revision date: 09.10.2020

SECTION I-IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

Ecosol E1 DTG Process Colours (Cyan, Magenta, Yellow, Black, and White)

1.2 Other means of identification

Acrylic Copolymer Emulsion

1.3 Recommended use of the product

Hybrid direct-to-garment and screen printing ink for textile application

1.4 Details of principal suppliers

1.4.1 Address: No.14, Jalan Bertam 5, Taman Daya, Johor Bahru, 81100 Johor, Malaysia.

1.4.2 Phone number: 607 3525908 / 607 3552908 / 607 3549908

1.4.3 Email: qa@cscscreen.com

1.5 Emergency phone number: 607 3525908

SECTION II-HAZARDS IDENTIFICATION

2.1. Classification of the mixture:

Classification according to ICOP CLASS 2014		
Physical Hazard	Health Hazard	Environment Hazard
Not classified	Not classified	Not classified

2.2 Label elements

Hazard pictograms:

Not applicable

Signal word:

Not applicable

Hazard statements:

Not applicable

Precautionary statements:

Not applicable



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- 2.3 Other Hazard
None known

SECTION III-COMPOSITION/INFORMATION OF HAZARDOUS INGREDIENTS

- 3.1 Mixture

Hazardous ingredient:

Chemical name	CAS No.	Weight %	Classification according to ICOP CLASS 2014
Water	7732-18	40-70	Not Classified
Titanium Dioxide	13463-67-7	15-25	Not Classified
Diethyl Glycol Monobutyl Ether	112-34-5	0.1-3.0	Eye irritation 2, H319
2-amino-2-methyl-1-propanol	124-68-5	0.01-1.0	Skin irritation 2, H315 Eye damage 1, H318
Sodium dioctyl sulfosuccinate	No data available	0.1-1.0	Skin irritation 2, H315 Eye irritation 2, H319

SECTION IV-FIRST AID MEASURES

- 4.1 Description of first aid measures

Inhalation First aid measures not required, but get fresh air for personal comfort.

Skin contact First aid measures not required, but wash exposed skin with soap and water for hygienic reasons.

Eye contact Rinse cautiously with water for several minutes.

Ingestion Clean mouth with water. If a large quantity has been ingested or you feel unwell, get medical advice/attention.

- 4.2 Most important symptoms and effects, both acute and delayed
None known



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- 4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically

SECTION V-FIREFIGHTING MEASURES

- 5.1 Extinguishing media
Suitable extinguishing media
Water spray (fog), Foam, Carbon dioxide (CO₂), Extinguishing powder
- 5.2 Special hazards arising from the chemical
None known
- 5.3 Protective equipment and precautions for firefighters
None known

SECTION VI-ACCIDENTAL RELEASE MEASURE

- 6.1 Personal precautions, protective equipment and emergency procedures
Wear safety glasses, gloves, protective clothing and rubber boots for hygienic reasons.
- 6.2 Environmental precautions
Do not allow into any sewer, on the ground or into any body of water.
- 6.3 Methods and material for containment and cleaning up
- 6.3.1 For containment
Prevent product from entering drains. Soak up with inert absorbent material.
- 6.3.2 For cleaning up
Clean contaminated surface thoroughly with water (with cleaning agent).

SECTION VII-HANDLING AND STORAGE

- 7.1 Precautions for safe handling
Ensure adequate ventilation. Wear personal protective equipment according to section 8 if risk of exposure.
Handle in accordance with good industrial hygiene and safety practice.
- 7.2 Conditions for safe storage, including any incompatibilities
Keep tightly closed in a dry and cool place.



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SECTION VIII-EXPOSURE CONTROL/PERSONAL PROTECTION

- 8.1 Control parameters
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the regional specific regulatory bodies.
- 8.2 Appropriate engineering controls
Ensure adequate ventilation.
- 8.3 Individual protection measures, such as personal protective equipment
Eye/face protection
If handled where risk of splashes may occur, use safety goggles.
- Hand Protection Protective
Use protective gloves made of rubber.
- Skin and body protection
Normal work clothes for the chemical industry (long legs and sleeves).
- Respiratory protection
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

SECTION IX-PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties
- Appearance: Liquid (coloured)
- Odour: Mild
- Odour threshold: No data available

Property	Value	Method / Remark
pH	8-10	
Melting point	No data available	
Initial boiling point	No data available	
Flash point	No data available	
Evaporation rate	No data available	
Flammability (solid, gas)	No data available	
Explosive limit: Upper limit Lower limit	No data available	
Vapour pressure	No data available	
Vapour density	No data available	
Relative density	1.00-1.30	ASTM C128-15



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Solubility (in water)	Soluble	
Partition coefficient	No data available	
Auto-ignition temperature	No data available	
Decomposition temperature	No data available	
Viscosity	3.0-5.5 cps	ISO 3219

SECTION X-STABILITY AND REACTIVITY

- 10.1 Reactivity
There exists no specific test data for this product.
- 10.2 Chemical stability
Stable under normal conditions.
- 10.3 Possibility of hazardous reactions
None under normal processing.
- 10.4 Conditions to avoid
None known.
- 10.5 Incompatible materials
None known.
- 10.6 Hazardous decomposition products
None known.

SECTION XI-TOXICOLOGY INFORMATION

- 11.1 Information on likely routes of exposure
Dermal, Oral.
- 11.2 Symptoms related to the physical, chemical and toxicological characteristics
None known.
- 11.3 Numerical measures of toxicity
- 11.3.1 Acute toxicity
Based on calculation, ATE_{mix} is 4348 mg/kg which does not fall in the range of category 4 which is $300 < ATE \leq 2,000$ mg/kg. Therefore, it is not classified.
- 11.3.2 Skin corrosion/irritation
Generic concentration limit of ingredients classified for skin irritant hazard category 2 that trigger classification of the mixture as irritant to skin is $\geq 10\%$.



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- 11.3.3 Serious eye damage/eye irritation
Generic concentration limit of ingredients of a mixture classified as skin corrosive category 1 and/or eye category 1 or 2 for effects on the eye that trigger classification of the mixture for effects on the eye category 2 is $\geq 10\%$.
- 11.3.4 Respiratory or skin sensitisation
No hazard from product as supplied.
- 11.3.5 Carcinogenicity, mutagenicity and reproductive toxicity
No hazard from product as supplied.
- 11.3.6 Specific target organ toxicity – single and repeated exposure
No hazard from product as supplied.

SECTION XII- ECOLOGICAL INFORMATION

- 12.1 Toxicity
No data available
- 12.2 Persistence and degradability
No data available
- 12.3 Bioaccumulative potential
No data available
- 12.4 Mobility in soil
No data available
- 12..5 Other adverse effects
None known.

SECTION XIII-DISPOSAL CONSIDERATION

- 13.1 Disposal methods
Incinerate at a licensed installation. Do not discharge into sewer and drain.
- 13.2 Contaminated packaging
Thoroughly emptied and clean packaging may be recycled.

SECTION XIV-TRANSPORT INFORMATION

- 14.1 ADR Road transport
Not regulated



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- 14.2 RID Rail transport
Not regulated
- 14.3 IMDG Sea transport
Not regulated
- 14.4 IATA Air transport
Not regulated

SECTION XV-REGULATORY INFORMATION

- 15.1 Safety, health, and environmental regulations/legislation specific for the mixture
 - 15.1.1 NIKE Restricted Substance List Compliance
Complies
 - 15.1.2 Adidas A01 Restricted Substance List Compliance
Complies
 - 15.1.3 Certification according to Eco Passport by Oeko-cotex
Not certified

SECTION XVI-OTHER INFORMATION

- 16.1 Preparation date of the SDS
1st November 2019
- 16.2 Revision date of the SDS
9th October 2020
- 16.3 Key literature references and sources for data
Book of Industry Code of Practice on Chemicals Classification and Hazard Communication 2014 (ICOP)

This safety data sheet complies with the requirements of Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF SDS
