



DAF Kimya İç ve Dış Tic. A.Ş.

Mahmutbey mah. Taşocağı yolu cad.

Ağaoğlu Myoffice 212 sit. no : 3 / 75

Bağcılar / İstanbul Trade register no : 98265-5

Phone : +9 0212 803 41 78 - 79 & 90

E-mail : info@inknovators.com

SAFETY DATA SHEET

This safety data sheet has been prepared according to "The classification, labelling and packaging of substances and mixtures of T.C. Republic of Turkey Ministry of Environment and Urbanisation (Date : 13 December 2014, register no : 29204, CLP Regulation, EC 1272/2008)

Commercial Name : Emulsion

SDS No : 067

1. PRODUCT & COMPANY IDENTIFICATION :

- 1.1. Product Name :** Emulsion
- 1.2. Product Usage :** Water based emulsion for silk screen printing applications
- 1.3. Company Name :** DAF Kimya İç ve Dış Tic. A.Ş.
Address : Mahmutbey mah. Taşocağı yolu cad.
Ağaoğlu Myoffice 212 sit. no : 3 / 75
Bağcılar / İstanbul
- 1.4. Details of the supplier of the safety data sheet :**
Supplier Name : DAF Kimya İç ve Dış Tic. A.Ş.
Address : Mahmutbey mah. Taşocağı yolu cad.
Ağaoğlu Myoffice 212 sit. no : 3 / 75
Bağcılar / İstanbul
Phone : +9 0212 803 41 78 - 79 & 90
- 1.5. Emergency Phone :** +9 0533 450 43 25 (7/24 hours)
E- mail : info@inknovators.com
National Poison Center: 114 (for 24 hours)

2. HAZARDS IDENTIFICATION :

2.1. Classification of substance and Mixture :

Physical Hazards : The product is not classified as harmful.

Health Hazards : May cause eyes and skin irritant. Don't inhale its vapors. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If the victim don't feel good, immediately call the National poison center (phone: 114) Seek medical attention immediately.

Use for protection, suitable protective clothing, gloves and eye/face. Keep out of the reach of children and under lock and key.

Environmental hazards : Do not empty into drains. Dispose of contents/container in accordance with national regulation by licenced firms

2.2. Label elements:

Labelling according Regulation (EC) No 1272/2008 :

Pictogram : GHS07

2.3. Other Hazards : N/A



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3. COMPOSITION INFORMATION on HAZARDOUS INGREDIENTS :

Component	CAS No	EC No	Concentration (%)	Classification	Labeling
Ethoxylated pentaerythritol tetraacrylate	127312-13-4	687-564-7	8 - 8.5%	Eye irrit. cat.2, H319	--
2-Propenoic acid, 2(hydroxymethyl)-2-(((1-oxo-2propenyl)oxy)methyl)-1,3propanediyl ester	3524-68-3	222-540-8	0.6 - 0.7%	Skin irrit. cat.2 Eyes irrit. cat. 2 H317; H319	P261, P272, P280, P302+P352, P333+P313, P321, P363, P501
Pentaerythritol Tetraacrylate	4986-89-4	225-644-1	0.6 - 0.7%	Eye irrit. cat 2A Skin irrit. cat 2 H317; H319	P261, P272, P280, P302+P352, P333+P313, P321, P363, P501
2,4,7,9-Tetramethyldec-5-yne-4,7-diol,ethoxylated [Reach Reg:01-2119954393-33-XXXX]	9014-85-1	500-022-5	< 0.8%	Eye damage cat. 1 Skin damage cat. 2	--

4. FIRST AID MEASURES :

Inhalation : Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious. If the victim don't feel good, immediately call the National poison control center (phone: 114) Seek medical attention immediately.

Contact with Eyes : Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

Contact with Skin : Immediately flush skin with plenty of water while removing contaminated clothing. Wash contaminated clothing before reuse. If redness or irritation occurs, seek medical attention.

Ingestion : Harmful if swallowed. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, to open the airway of victim's and for prevent aspire, lean to the left side if possible (head down). Immediately consult a doctor with the product label (if possible)

5. FIRE FIGHTING MEASURES :

Extinguishers : Dry powder, carbon dioxide, alcohol-resistant foam. Avoid contact with the water.



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Special hazards arising from the substance or mixture : Carbon oxides

Extinguishing media : In case of needed, follow the Emergency Plan and take quarantine to environment, remove the staff around.

Special fire fighting equipment : Use gas mask for respiration, leakproof chemical goggles against the splash, fireproof gloves, boots and flame protective clothing.

6. ACCIDENTAL RELEASE MEASURES :

Personal Precautions : Wear protective equipment. Immediately ventilate the contaminated area. Unprotected persons must move away from the contaminated area.

Environmental Precautions : If there is spillage, use general purpose absorbent/chemical kit for absorb the contaminated area. Do not empty into drains, prevent to contaminated other chemicals. Wash the contaminated area. Get informed the Authorities immediately.

Cleaning Methods : If possible, use chemical kit which is suitable to ingredient of this product. In case there is not a general-purpose absorbent / kit sure to absorb the chemical. Do not clean with water.

7. HANDLING and STORAGE :

Precautions for safe handling: Avoid spills. Don't Inhalation, avoid contact with eye and skin.

Usage : After use, especially when it comes into contact with the eyes and skin - your skin with plenty of water/wash your hands. (please see section 4) In case of needed, follow the Emergency Plan and take quarantine to environment, remove the staff around. No smoking.

Storage : This material and its container must be disposed of as hazardous waste . Keep container in a dry, cool well-ventilated place with original packaging . Take precautionary measures against static discharges. No smoking. It must be stored in accordance with the Legal laws. Attention should be paid to the warnings given on the label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION :

Occupational Exposure controls / personal protection:

2-Propenoic acid, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl ester): skin sensitivity

General hygiene and safety rules should be applied. The working environment must be eye shower (wash) station.

Wash hands after working and end of day.

Engineering Measures : Well general ventilation should be used.

Accumulated chemical level in the air to reduce the acceptable limit, use the exhaust ventilation and/or

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use other engineering controls.

General hygiene and safety rules should be applied. The working environment must be eye shower (wash) station.



Personal Protection Equipments :



Protection respiratory system : Gas masks with suitable filters to the chemical.

Protection Eye, face : Protective goggles against the risk of splash

Protection Skin, Body : May cause skin irritation and burns; use resistance gloves

Protection Hands : Use Fire and chemical resistant clothes

9. PHYSICAL and CHEMICAL PORPERTIES :

9.1.General Informations :

9.1.1. **Visual Appearance** : Blue viscous liquid

9.1.2. **Odor** : Characteristic

9.2.Important Health, Safety and Environmental Information :

pH :4.0 – 5.0

Vapour Pressure : N/A

Flash Point :> 200 °F(> 93.3333 °C)

Boiling Point :212°F (100°C) (water)

Density :1,05 g/cm³

Specific gravity :1,08 g/cm³ (77 °F / 25°C)

Viscosity :N/A

Solubility : Insoluble in water



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10.STABILITY and REACTIVITY :

Stable under normal conditions, it is not reactive. Keep away from direct sunlight and keep it away from chemicals that are aggressive chemicals in the content. In case of overheating, can release chemical gases.

11.TOXICOLOGICAL INFORMATION :

Acute toxicity :

2-Propenoic acid, 2(hydroxymethyl)-2-(((1-oxo-2propenyl)oxy)methyl)-1,3propanediyl ester :

Oral-rat LD50:1830 mg/kg

Skin rabbit LD50:4 mL/kg; eyes irritant, rabbit: 1 mg

Skin rabbit 500 mg

Other Toxicology Information :

Inhalation : May cause irritation and coughing

Contact with Skin : May cause irritation and cracking of the skin at long term effect

Contact with Eyes : May cause irritation therefore use suitable protective clothing, gloves, goggles, mask

Ingestion : In case of ingestion may cause harmful.

12.ECOLOGICAL INFORMATION :

Ecotoxicity : Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheet

12.1 Environmental fate & transport : no data available

12.2 Biodegradation: no data available.

12.3 Environmental toxicity : no data available

12.4 Other ecotoxicological advice : Do not release untreated into natural waters.

13.DISPOSAL CONSIDERATIONS :

Disposal/destruction : Waste of this product is sent to the recycling companies which are licenced from T.C.

Republic of Turkey Ministry of Environment and Urbanisation with National Waste Form.

14.TRANSPORT INFORMATION :

ADR/RID : UN code : N/A, Classification : N/A

IMDG/IMO : UN code : N/A, Classification : N/A

Prepared by Gül ALTINSOY (Cert. no : 01.80.10)

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IATA/ICAO : UN code : N/A, Classification : N/A

Packaging and transport information : The packaging must be closed tightly. keep it away from chemicals that are aggressive chemicals in the content.

Proposed special transport packaging : Determined by the manufacturer.

Environmental hazards: Environmentally hazardous/Marine pollutant.

Bulk carriage doesn't apply according to MARPOL 73/78, Annex II and IBC code.

15. REGULATORY INFORMATION :

15.1. Specific for the substance or mixture safety, health and environmental legislation :

National Legislations : Republic of Turkey Ministry of Environment and Urbanisation, 11 December 2013 on classification, labelling and packaging of substances and mixtures legislation

European Directive: [Regulation \(EC\) No 1272/2008](#), OJ L 353 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures - amending and repealing Directive 67/548/EEC and 1999/45/EC, and Regulation (EC) No 1907/2006.

Guide :

UNECE (United Nations Economic Commission for Europe) :

https://www.unece.org/fileadmin/DAM/trans/danger/publi/ghs/ghs_rev02/English/08e_annex4.pdf

ECHA (European Chemical Agency) :

<http://echa.europa.eu/web/guest/regulations/clp>

16. OTHER INFORMATIONS :

Hazard Statements :

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

Precautionary Statements

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

P264 Wash with soap your body thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace..



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P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water with soap

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P 321 Specific treatment (see ... on this label).

P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists get medical advice/attention.

P 363 Wash contaminated clothing before reuse

P501 : Dispose of contents/container in accordance with national regulation by licenced firms.

Symbols :

GHS07

Additional Information :

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Information of this safety data sheet is taken from UNECE (United Nations Economic Commission for Europe) and onyl for informational. The warnings are given on this safety data sheet is for use outside the manufacturer/distributor to direct/indirect can not be held responsible for any loss or damage.

History of Revision :

Rev. No	Rev. Date	Revision Details
0	March 2016	First Issue
1	October 2017	Section 2, 3 were reviewed
2	July 2018	Section 9 has been updated
3	July 2019	Section 3 has been updated