



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 : Decroline

SDS No : 052

1. PRODUCT & COMPANY IDENTIFICATION :

- 1.1. Product Name** : Decroline
1.2. Product Usage : Additive for Textile industry
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 150 15 14 (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 : Harmful if swallowed. Skin and/o eye irritant. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Mutagenic, Category-2. If the victim don't feel good, immediately call the National poison control 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 :

Harmfulness Statements :

H302- Harmful if swallowed.

H320- Causes eye irritation

H341- Suspected of causing genetic defect

H400- Very toxic to aquatic life



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H410- Very toxic to aquatic life with long lasting effect Precautionary statement(s)

P201- Obtain special instructions before use.

P202- Do not handle until all safety precautions have been read and understood

P273- Avoid release to the environment

P281- Use personal protective equipment as required

P308 +P313 - If exposed or concerned: Get medical advice / attention

P391- Collect spillage

P405- Store locked up

P501- Dispose of contents / container as hazardous waste in accordance with local regulations.

Supplemental Hazard information

EUH032 – Contact with acids liberates very toxic gas.

Precautionary statements : EUH210 safety data sheet can be provided on request.

Pictogram :GHS08, GHS09

2.3. Other Hazards : N/A

3. COMPOSITION INFORMATION on HAZARDOUS INGREDIENTS :

Component	CAS No	EC No	Concentration (%)	Classification	Labeling
Zinc Formaldehyde Sulphoxylate	24887-06-7	246-515-6	> 94.0 % & > 98.0 %	Mutagenic Cat.2 Skin irritant Eye irritant	H302, H320, H341, H400, H410, P201 P202, P273 P281, P308 +P313 P391, P405, P501 EUH032

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)



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5. FIRE FIGHTING MEASURES :

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

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:

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.



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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 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 :** Powder, white

9.1.2. **Odor :** Characteristic

9.2. Important Health, Safety and Environmental Information :

pH of 10 % solution : 3.5 – 5.2

Melting Point /Range : 1500 C (Decomposition)

Flash Point : >100°C/212°F

Bulk density : 1100-1400 kg/m³

Density : 2.3 g/cm³

Partition coefficient n- octanol/water at 20 0C Log Pow : < -3 calculated

Solubility : 500 g/L at 68 °F

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 :

Information on toxicological effects

Acute toxicity : LD50/rat: 12.80 mg/kg

Prepared by Gül ALTINSOY (Cert. no : 01.05.07)



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Skin corrosion/irritation: rabbit: non-irritant (OECD Guideline 404)

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Potential health effects Inhalation: May be harmful if inhaled.

May cause respiratory tract irritation. Ingestion: Harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Signs and Symptoms of Exposure To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information: RTECS: Not available

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



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12.2 Biodegradation:

Test Method : OECD 303A; ISO 11733; 92/69 EEC, V, C.10

Method of analysis : Specific method

Degree of elimination : > 70 0

Evaluation : Easily eliminated from water.

Bioaccumulation : Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Chemical Oxygen Demand : 405 mg/g

Adsorbable organically bound halogen (AOX) : This product contains no organically bound halogen.

12.3 Environmental toxicity : Acute toxicity to aquatic Invertebrates : EC50 (24 hrs): 12 mg/l

Toxicity to aquatic plants : OECD Guideline 201 green algae/EC50 (72 hr):>100 mg/l

Toxicity to microorganisms : DEV-L2: >100 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentration.

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

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.



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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 :

H302- Harmful if swallowed.

H320- Causes eye irritation

H341- Suspected of causing genetic defect

H400- Very toxic to aquatic life

Precautionary Statements :

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Hazard information :

(EU) : EUH032 – Contact with acids liberates very toxic gas.

Pictograms / Symboles :

GHS08

GHS09



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 only 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	January 2016	First Issue
1	March 2016	R & S Statements are removed according to Regulation (EC) No 1272/2008