

## HDUPONT Fixative for dyeing

### SECTION 1 - Identification of the substance/mixture and of the company/undertaking

#### 1.1. - Product identifier

Trade name HDUPONT Fixative for dyeing

Chemical name

Product-type Substance

Index No.

EC No.

CAS No.

#### 1.2. - Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture - Auxiliary for dye on tissues

#### 1.3. - Details of the supplier of the safety data sheet

Dharma Trading Co.

1805 South McDowell Boulevard Ext.

Petaluma Ca, 94954

www.dharmatrading.com

#### 1.4. - Emergency telephone number

### SECTION 2 - Hazards identification

#### 2.1. - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
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#### 2.2. - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : None

Pictograms : None

Hazard statements

H412	Harmful to aquatic life with long lasting effects
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Precautionary statements

P102	Keep out of reach of children.
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P273	Avoid release to the environment.
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P501	Dispose of contents/container to an accredited treatment center.
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EUH-phrases : None

#### 2.3. - Other hazards

### SECTION 3 - Composition/information on ingredients

#### 3.1. - Substances

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Chemical name	No	%	Class	Spec. concentrations
Benzenesulfonic acid, 2,4-dimethyl-, polymer with formaldehyde and 4,4'-sulfonylbis(phenol), ammonium sodium salt	CAS No. : 68516-87-0 Index No. : EC No. : 614-559-9	25 - 30	Aquatic Chronic 2 - H411	
2-Aminoethanol	CAS No. : 141 -43-5 Index No. : 603-030-00-8 EC No. : 205-483-3	1 - 1,5	Acute Tox. 4 Dermal - H312 Acute Tox. 4 Inhalation - H332 Acute Tox. 4 Oral - H302 Aquatic Chronic 3 - H412 Skin Corr. 1B - H314 STOT SE 3 (H335) - H335	

### 3.2. - Mixtures

Not applicable

## SECTION 4 - First aid measures

### 4.1. - Description of first aid measures

<u>Measures in case of inhalation</u>	- Provide fresh air.
<u>Measures in case of contact with skin</u>	- After contact with skin, wash immediately with plenty of water and soap. - In case of skin irritation, consult a physician.
<u>Measures in case of contact with eyes</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.
<u>Measures in case of ingestion</u>	- If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. - Medical treatment necessary.

### 4.2. - Most important symptoms and effects, both acute and delayed

<u>Symptoms and effects after inhalation</u>	- No known symptoms
<u>Symptoms and effects after contact with skin</u>	- Causes skin irritation.
<u>Symptoms and effects after contact with eyes</u>	- Causes eye irritation.
<u>Symptoms and effects after ingestion</u>	- If you feel unwell consult a doctor.

### 4.3. - Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

## SECTION 5 - Firefighting measures

### 5.1. - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO2) - Foam - Extinguishing powder
<u>Unsuitable extinguishing media</u>	- High power water jet

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### 5.2. - Special hazards arising from the substance or mixture

Special hazards - No information available.

### 5.3. - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

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## SECTION 6 - Accidental release measures

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### 6.1. - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - No information available.

For emergency responders - No information available.

### 6.2. - Environmental precautions

- Do not allow to enter into surface water or drains.

### 6.3. - Methods and material for containment and cleaning up

Appropriate containment techniques - No information available.

Appropriate clean-up procedures - Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
- Wash with plenty of water.

Inappropriate techniques - No information available.

### 6.4. - Reference to other sections

- Disposal: see section 13

- Personal protection equipment: see section 8

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## SECTION 7 - Handling and storage

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### 7.1. - Precautions for safe handling

Recommendations - It is recommended to design all work processes always so that the following is excluded: Eye contact  
- It is recommended to design all work processes always so that the following is excluded: Skin contact

Advice on general occupational hygiene - No information available.

### 7.2. - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed and in a well-ventilated place.  
- Keep away from heat, sparks and open flames.

### 7.3. - Specific end use(s)

- Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.

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## SECTION 8 - Exposure controls/personal protection

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### 8.1. - Control parameters

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### 8.2. - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- Suitable eye protection: Eye glasses with side protection  
- Suitable protective clothing: lab coat  
- Tested protective gloves must be worn  
- Ingestion : Do not eat, do not drink, do not smoke during use.

## SECTION 9 - Physical and chemical properties

### 9.1. - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Liquid
Color	brown	Odor	characteristic
Odour threshold	No data available		
pH	9		
Melting point	No data available		
Freezing point	No data available		
Boiling point	100 °C		
Flash point	No data available		
Evaporation rate	No data available		
flammability	No data available		
Lower explosion limit	No data available		
Upper explosion limit	No data available		
Vapour pressure	No data available		
Vapour density	No data available		
Relative density	No data available		
Density	No data available		
Solubility (Water)	No data available		
Solubility (Ethanol)	No data available		
Solubility (Acetone)	No data available		
Solubility (Organic solvents)	No data available		
Log KOC - Partition coefficient: n-octanol/water	No data available		
Auto-ignition temperature	No data available		
Decomposition temperature	No data available		
Kinematic viscosity	No data available		
Dynamic viscosity	No data available		

### 9.2. - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

## SECTION 10 - Stability and reactivity

### 10.1. - Reactivity

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- This material is considered to be non-reactive under normal use conditions.

### 10.2. - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

### 10.4. - Conditions to avoid

- No information available.

### 10.5. - Incompatible materials

- No information available.

### 10.6. - Hazardous decomposition products

- Does not decompose when used for intended uses.

## SECTION 11 - Toxicological information

### 11.1. - Information on toxicological effects

Acute toxicity - Not classified

LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Based on available data, the classification criteria are not met.

#### 2-Aminoethanol (141 -43-5)

LD50 oral (rat)	2140 mg/kg
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Skin corrosion/irritation - Not classified

- Irritating to skin.

Serious eye damage/irritation - Not classified

- Irritating to eyes.

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

Specific target organ toxicity - Single exposure - Not classified

Specific target organ toxicity - Repeated exposure - Not classified

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Aspiration hazard - Not classified

### SECTION 12 - Ecological information

#### 12.1. - Toxicity

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- Toxic to aquatic life with long lasting effects.

#### 12.2. - Persistence and degradability

Biochemical oxygen demand (BOD)	< 10 mg/l
Chemical oxygen demand (COD)	438 mg/l
% of biodegradation in 28 days	No data available

- No information available.

#### 12.3. - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC - Partition coefficient: n-octanol/water	No data available

- No indication of bioaccumulation potential.

#### 12.4. - Mobility in soil

- No information available.

#### 12.5. - Results of PBT and vPvB assessment

#### 12.6. - Other adverse effects

- Do not let penetrate into the groundwater, into waters or into the pipe, even in small quantity.

### SECTION 13 - Disposal considerations

#### 13.1. - Waste treatment methods

Appropriate methods of waste treatment - Dispose of waste according to applicable legislation.

Sewage disposal - No information available.

Special precautions for waste treatment - No information available.

Community or national or regional provisions - No information available.

### SECTION 14 - Transport information

#### 14.1. - UN number

Not applicable

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14.2. - UN proper shipping name

14.3. - Transport hazard class(es)

14.4. - Packing group

14.5. - Environmental hazards

14.6. - Special precautions for user

14.7. - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

### SECTION 15 - Regulatory information

15.1. - Safety, health and environmental regulations/legislation specific for the substance or mixture

Components in the list of  
Reach candidates None

Components in Annex XIV None

Components in Annex XVII None

VOC content No data available

15.2. - Chemical safety assessment

Chemical safety assessment carried  
out for the product - No information available.

### SECTION 16 - Other information

#### SDS versions

Version No.	Date of issue	Description of the amendments
2	15-06-17	
1	01-12-15	

#### Texts of the regulatory sentences

Acute Tox. 4 Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4 Inhalation	Acute toxicity (inhal.), Category 4
Acute Tox. 4 Oral	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
H412	Harmful to aquatic life with long lasting effects
Skin Corr. 1B	Skin corrosion, Category 1B
STOT SE 3 (H335)	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

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