

DUPONT ESSENCE F

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

1.1. - Product identifier

Trade name DUPONT ESSENCE F

Chemical name DUPONT ESSENCE F

Index No.

EC No.

CAS No.

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

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

1.4. - Emergency telephone number

- CHEMTREC, US : +1-800-424-9300 International

SECTION 2 - Hazards identification

2.1. - Classification of the substance or mixture

STOT SE 3 (H336)	Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation
Asp. Tox. 1	Aspiration hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard, Category 2

2.2. - Label elements

Contains: Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (CAS No.:) || Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (CAS No.:)

Signal word

Danger

Hazard pictograms



Hazard statements

H304	May be fatal if swallowed and enters airways
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

Precautionary statements

P261	Avoid breathing vapours
P271	Use only outdoors or in a well-ventilated area
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P331	Do NOT induce vomiting
P403+P233	Store in a well-ventilated place. Keep container tightly closed
P405	Store locked up
P273	Avoid release to the environment

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P391	Collect spillage
P501	Dispose of contents/container to an accredited treatment center

2.3. - Other hazards

SECTION 3 - Composition/information on ingredients

3.1. - Substances

3.2. - Mixtures

Chemical name	No	%	Class	Spec. concentrations
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	CAS No. : Index No. : EC No. : 920-750-0	85	Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS No. : Index No. : EC No. : 927-241-2	15	Aquatic Chronic 3 - H412 Asp. Tox. 1 - H304 Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336	

SECTION 4 - First aid measures

4.1. - Description of first aid measures

<u>Measures in case of inhalation</u>	<ul style="list-style-type: none"> - Provide fresh air. - Medical examination necessary even merely on suspicion of intoxication. - After inhaling vapours, first symptoms of poisoning may develop hours later, so always consult a doctor.
<u>Measures in case of contact with skin</u>	<ul style="list-style-type: none"> - Rinse with water and soap - When in doubt or if symptoms are observed, get medical advice.
<u>Measures in case of contact with eyes</u>	<ul style="list-style-type: none"> - 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>	<ul style="list-style-type: none"> - Rinse mouth thoroughly with water. - Do NOT induce vomiting. - When in doubt or if symptoms are observed, get medical advice.

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

<u>Symptoms and effects after inhalation</u>	<ul style="list-style-type: none"> - Can be mortal in case of ingestion and penetration in respiratory tracts - The following symptoms may occur: Dizziness - The following symptoms may occur: Anaesthetic state - The following symptoms may occur: Central nervous system depression
<u>Symptoms and effects after contact with skin</u>	<ul style="list-style-type: none"> - No known symptoms to date.
<u>Symptoms and effects after contact with eyes</u>	<ul style="list-style-type: none"> - No known symptoms to date.
<u>Symptoms and effects after ingestion</u>	<ul style="list-style-type: none"> - If you feel unwell consult a doctor.

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

SECTION 5 - Firefighting measures

5.1. - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media

- High power water jet

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.

SECTION 6 - Accidental release measures

6.1. - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.

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

SECTION 7 - Handling and storage

7.1. - Precautions for safe handling

Recommendations

- After use replace the closing cap immediately.
- All work processes must always be designed so that the following is excluded: Inhalation
- All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists

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- Vapours/aerosols must be exhausted directly at the point of origin.

Advice on general occupational hygiene

- Work in well-ventilated zones or use proper respiratory protection.

7.2. - Conditions for safe storage, including any incompatibilities

- No information available.

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.

SECTION 8 - Exposure controls/personal protection

8.1. - Control parameters

8.2. - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- Suitable respiratory protection apparatus: Particle filter device (DIN EN 143)

- Eye protection



- Tested protective gloves must be worn
- Suitable protective clothing: lab coat
- 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

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Color</u>		<u>Odor</u>	characteristic
pH			No data available
Boiling point			No data available
Flash point			No data available
Kinematic viscosity			No data available
Dynamic viscosity			No data available
Melting point			No data available
Freezing 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

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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
Auto-ignition temperature	No data available
Decomposition temperature	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

- 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)	No data available
LD50 dermal (rat)	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.

Skin corrosion/irritation - Not classified

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<u>Serious eye damage/irritation</u>	- Not classified
<u>Respiratory or skin sensitisation</u>	- Not classified
<u>Germ cell mutagenicity</u>	- Not classified
<u>Carcinogenicity</u>	- Not classified
<u>Reproductive toxicity</u>	- Not classified
<u>Specific target organ toxicity - Single exposure</u>	- Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation - May cause drowsiness or dizziness
<u>Specific target organ toxicity - Repeated exposure</u>	- Not classified
<u>Aspiration hazard</u>	- Aspiration hazard, Category 1 - May be fatal if swallowed and enters airways

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

BOD5 - Biological oxygen demand	No data available
COD - Chemical oxygen demand	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3. - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log Kow	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.

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SECTION 13 - Disposal considerations

13.1. - Waste treatment methods

<u>Appropriate methods of waste treatment</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- No information available.

SECTION 14 - Transport information

14.1. - UN number

<u>Substance name</u>	:	
<u>UN number</u>	:	UN3295

14.2. - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa) 640D
<u>UN proper shipping name (RID)</u>	:	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa) 640D
<u>UN proper shipping name (ADN)</u>	:	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa) 640D
<u>UN proper shipping name (IMDG)</u>	:	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa) 640D
<u>UN proper shipping name (IATA)</u>	:	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa) 640D

14.3. - Transport hazard class(es)

<u>ADR Class</u>	:	3
<u>ADR Classification code</u>	:	F1
<u>Class (RID)</u>	:	3
<u>Class (ADN)</u>	:	3
<u>Class (IMDG)</u>	:	3
<u>Class (IATA)</u>	:	3
<u>Pictograms</u>		



14.4. - Packing group

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<u>Packing group</u>	:	II
<u>Packing group (RID)</u>	:	II
<u>Packing group (ADN)</u>	:	II
<u>Packing group (IMDG)</u>	:	II
<u>Packing group (IATA)</u>	:	II

14.5. - Environmental hazards

<u>Environmental hazards</u>	:	Oui
<u>Marine pollutant</u>	:	Danger pour le milieu aquatique - Chronique 2

14.6. - Special precautions for user

ADR

<u>ADR Classification code</u>	:	F1
<u>ADR Special provisions</u>	:	640D+649
<u>ADR Limited quantities</u>	:	1 L
<u>ADR Excepted quantities</u>	:	E2
<u>ADR Packing instructions</u>	:	P001 IBC02 R001
<u>ADR Special packing provisions</u>	:	
<u>ADR Mixed packing provisions</u>	:	MP19
<u>Instructions for portable tanks and bulk containers</u>	:	T7
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP8 TP28
<u>ADR tank code</u>	:	LGBF
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	FL
<u>ADR Transport category</u>	:	2
<u>ADR Tunnel restriction code</u>	:	D/E
<u>ADR Special provisions loading, unloading and handling</u>	:	
<u>ADR Hazard Identification No.</u>	:	33

RID

<u>Special provisions</u>	:	
<u>Limited quantities</u>	:	
<u>Excepted quantities</u>	:	

ADN

<u>Special provisions</u>	:	
<u>Limited quantities</u>	:	
<u>Excepted quantities</u>	:	

IMDG

<u>Special provisions</u>	:	
<u>Limited quantities</u>	:	
<u>Excepted quantities</u>	:	

IATA

<u>Special provisions</u>	:	
<u>Limited quantities</u>	:	
<u>Excepted quantities</u>	:	

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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

Components in Annex XIV

Components in Annex XVII

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
1	17-11-15	

Texts of the regulatory sentences

Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H304	May be fatal if swallowed and enters airways
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects
STOT SE 3 (H336)	Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation