

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

#### 1.1. Product identifier

Product form	: Substance
Trade name	: DIAMMONIUM PHOSPHATE LAFFORT
Chemical name	: Diammonium hydrogen phosphate
EC-No.	: 231-987-8
CAS-No.	: 7783-28-0
REACH registration No	: 01-2119490974-22
Formula	: (NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub>
Synonyms	: DAP, ammonium monohydrogen phosphate, ammonium phosphate dibasic
Product group	: Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use

Industrial/Professional use spec : For professional users only

Use of the substance/mixture : Growing activator for yeasts during the alcoholic fermentation.

Use of the substance/mixture : For oenological use

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

LAFFORT FRANCE

P.O. Box CS 61611

33072 BORDEAUX CEDEX - FRANCE

T +33 (0)5 56 86 53 04 - F +33 (0)5 56 86 30 50

[info@laffort.com](mailto:info@laffort.com) - [www.laffort.com](http://www.laffort.com)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Australia	NSW Poisons Information Centre	The Children's Hospital at Westmead Locked Bag 4001 NSW 2145 Westmead	13 11 26 +56 2 2 247 3600	
Canada	Ontario Poison Centre (OPC)	The Hospital for Sick Children 555 University Avenue ON M5G 1X8 Toronto	1-800-268-9017 (416) 813-5900	
Canada	BC Drug and Poison Information Centre (DPIC)	655 West 12th Avenue BC V5Z 4R4 Vancouver	1-800-567-8911 (604) 682-5050	
China	National Poison Control Center	Chinese Center for Disease Control and Prevention Nanwei road, No.29 100050 Beijing	+86 10 831 32 046	

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Country	Organisation/Company	Address	Emergency number	Comment
Croatia	Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada	Ksaverska Cesta 2 p.p. 291 10000 Zagreb	+385 1 234 8342	
Czech Republic	Toxikologické informační středisko Klinika pracovního lékařství VFN a 1. LF UK	Na Bojišti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402	
Georgia	National Toxicology Information Advisory Center	Tbilisi State Medical University Department of Toxicology - 7 Asatiani St. 380 077 Tbilisi	+995 99 533320	
Greece	Poisons Information Centre Children's Hospital P&A Kyriakou	11762 Athens	+30 2 10 779 3777	
Hungary	Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat	Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest	+36 80 20 11 99	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900	
Japan	Japan Poison Information Center	Tsukuba Medical Center 1-1-1 Amakubo 305-0005 Tsukuba City, Ibaraki	+81-29-856-3566 +81-72-727-2499	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
New Zealand	National Poisons Centre	Dunedin School of Medicine, University of Otago PO Box 913 9054 Dunedin	0800 764 766 +56 2 2 247 3600	
Poland	National Poisons Information Centre The Nofer Institute of Occupational Medicine (Łódź)	ul. Teresy 8 P.O. BOX 199 90950 Łódź	+48 42 63 14 724	
Romania	Department of Clinical Toxicology Spitalul de Urgenta Floreasca	Calea Floreasca Bucuresti	+40 21 230 8000	
Russia	Информационно- консультативный центр по токсикологии (RTIAC) Министерство здравоохранения Российской Федерации	3 Сухаревская Площадь Блок 7 129090 г. Москва	+7 495 628 1687 (только на русском)	
Slovenia	Center za klinično toksikologijo in farmakologijo Interna klinika, UKCL	Zaloška cesta 7 1525 Ljubljana	+386 41 650 500	
South Africa	Tygerberg Poison Information Centre	Division of Clinical Pharmacology Faculty of Medicine and Health Sciences Stellenbosch University - PO Box 241 8 000 Cape Town	0861 555 777 +56 2 2 247 3600	

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Country	Organisation/Company	Address	Emergency number	Comment
Turkey	Ulusal Zehir Merkezi (UZEM) Refik Saydam Hıfzısıhha Merkezi Başkanlığı	Cemal Gürsel Cd. No: 18 Sıhhiye Çankaya 6590 Ankara	114	Information is provided to public and medical personnel on poisoning incidents via 114.
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United States of America	American Association of Poison Control Centers	515 King St., Suite 510 VA 22314 Alexandria	1-800-222-1222 +56 2 2 247 3600	

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type	: Mono-constituent
Name	: DIAMMONIUM PHOSPHATE LAFFORT
CAS-No.	: 7783-28-0
EC-No.	: 231-987-8

Name	Product identifier	%
Diammonium Phosphate	(CAS-No.) 7783-28-0 (EC-No.) 231-987-8 (REACH-no) 01-2119490974-22	100

### 3.2. Mixtures

Not applicable

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: If symptoms persist call a doctor.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If symptoms persist, call a physician.
First-aid measures after skin contact	: After contact with skin, wash immediately and thoroughly with water and soap. Do not use solvents or thinners. Take off contaminated clothing and wash it before reuse. If symptoms persist, call a physician.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Do not give anything to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects	: More detailed information: See section 11.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: carbon dioxide (CO <sub>2</sub> ), powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media	: Do not use water jet.

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

Fire hazard	: On exposure to high temperature, may decompose, releasing toxic gases.
Hazardous decomposition products in case of fire	: Fire will produce dense black smoke. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NO <sub>x</sub> ), ammonia, Phosphorus oxides.

#### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Do not contaminate ground and surface water. Dispose in a safe manner in accordance with local/national regulations.

### SECTION 6: Accidental release measures

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

General measures	: Evacuate personnel to a safe area.
6.1.1. For non-emergency personnel	
Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.
Measures in case of dust release	: Avoid dust formation.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

Methods for cleaning up : Mechanically recover the product. Contain leaking substance, pump over in suitable containers. Clean contaminated surfaces with an excess of water.

Other information : Dispose of materials or solid residues at an authorized site. Do not allow to enter drains or water courses.

### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid dust formation. Store tightly closed in a dry and cool place. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Keep away from ignition sources (including static discharges).

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Technical measures : Keep only in the original container.

Storage conditions : Store tightly closed in a dry and cool place. Keep in a well-ventilated room. Store away from heat/moisture. Keep away from combustible material.

Heat and ignition sources : Keep away from ignition sources (including static discharges).

### 7.3. Specific end use(s)

For œnological use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Diammonium Phosphate (7783-28-0)		
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	1,25 mg/m <sup>3</sup>

DIAMMONIUM PHOSPHATE LAFFORT (7783-28-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	34,7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	6,1 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	2,1 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1,8 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	20,8 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	1,7 mg/l
PNEC aqua (marine water)	0,17 mg/l
PNEC aqua (intermittent, freshwater)	17 mg/l
PNEC (STP)	

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<b>DIAMMONIUM PHOSPHATE LAFFORT (7783-28-0)</b>	
PNEC sewage treatment plant	10 mg/l

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station. Avoid dust formation.

#### Personal protective equipment:

Refer to protective measures listed in Sections 7 and 8.

#### Materials for protective clothing:

Antistatic clothing. EN 340. EN 1149

#### Hand protection:

Protective gloves. Nitrile rubber gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Nitrile rubber (NBR), Chloroprene rubber (CR), Polyvinylchloride (PVC)	6 (> 480 minutes)	>0.4		EN ISO 374

#### Eye protection:

Safety glasses

Type	Use	Characteristics	Standard
Safety glasses	Dust		EN 166

#### Skin and body protection:

Long sleeved protective clothing. Wear suitable protective clothing

Type	Standard
Chemically resistant protective gloves	EN 374

#### Respiratory protection:

Wear suitable respiratory equipment in case of insufficient ventilation. Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material. EN 149

#### Environmental exposure controls:

Do not allow into drains or water courses. Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during work. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

## SECTION 9: Physical and chemical properties

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

Physical state : Solid

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Appearance	: Crystals. Powder.
Molecular mass	: 132 g/mol
Colour	: white.
Odour	: odourless.
Odour threshold	: No data available
pH	: 7,8 - 8,4
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: 150 °C
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: 0,0762 Pa
Relative vapour density at 20 °C	: No data available
Relative density	: 1,62
Density	: 1 g/cm <sup>3</sup>
Solubility	: Water: 690 g/l 20 °C
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions of use.

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### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Heat. flames or sparks. Moisture.

### 10.5. Incompatible materials

Strong acids. oxidation agents, reductor agents and bases.

### 10.6. Hazardous decomposition products

See Heading 5.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

Diammonium Phosphate (7783-28-0)	
LD50 oral rat	> 2000 mg/kg OECD 425
LD50 dermal rat	> 5000 mg/kg OECD 402
LC50 inhalation rat (mg/l)	> 5000 mg/m <sup>3</sup> 4H - OECD 403

Skin corrosion/irritation : Not irritating to rabbits on cutaneous application  
pH: 7,8 - 8,4

Serious eye damage/irritation : Not irritating  
pH: 7,8 - 8,4

Respiratory or skin sensitisation : Did not cause sensitisation  
Germ cell mutagenicity : Mutagenicity tests are negative  
Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Diammonium Phosphate (7783-28-0)	
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight/day OECD 422

Aspiration hazard : Not classified



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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : Ecological problems are not known or expected under normal use.  
Acute aquatic toxicity : Not classified  
Chronic aquatic toxicity : Not classified

Diammonium Phosphate (7783-28-0)	
LC50 fish 1	1700 mg/l OECD 203
EC50 Daphnia 1	1790 mg/l

#### 12.2. Persistence and degradability

Diammonium Phosphate (7783-28-0)	
Persistence and degradability	Not applicable.

#### 12.3. Bioaccumulative potential

Diammonium Phosphate (7783-28-0)	
Bioaccumulative potential	Low mobility (soil).

#### 12.4. Mobility in soil

No additional information available

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

No additional information available

#### 12.6. Other adverse effects

Other adverse effects : Do not allow to enter drains or water courses.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Empty remaining contents. Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

UN-No. (ADR) : Not regulated  
UN-No. (IMDG) : Not regulated  
UN-No. (IATA) : Not regulated

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UN-No. (ADN) : Not regulated  
UN-No. (RID) : Not regulated

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Proper Shipping Name (IATA) : Not regulated  
Proper Shipping Name (ADN) : Not regulated  
Proper Shipping Name (RID) : Not regulated

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not regulated

#### IMDG

Transport hazard class(es) (IMDG) : Not regulated

#### IATA

Transport hazard class(es) (IATA) : Not regulated

#### ADN

Transport hazard class(es) (ADN) : Not regulated

#### RID

Transport hazard class(es) (RID) : Not regulated

### 14.4. Packing group

Packing group (ADR) : Not regulated  
Packing group (IMDG) : Not regulated  
Packing group (IATA) : Not regulated  
Packing group (ADN) : Not regulated  
Packing group (RID) : Not regulated

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

- Overland transport  
Not regulated  
- Transport by sea  
Not regulated  
- Air transport  
Not regulated  
- Inland waterway transport  
Not regulated

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- Rail transport

Not regulated

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

DIAMMONIUM PHOSPHATE LAFFORT is not on the REACH Candidate List

DIAMMONIUM PHOSPHATE LAFFORT is not on the REACH Annex XIV List

#### 15.1.2. National regulations

##### Germany

Reference to AwSV : Water hazard class (WGK) 1, low hazard to water (Classification according to AwSV; ID No. 7150)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the substance or the mixture by the supplier

## SECTION 16: Other information

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*