

Safety Data Sheet

according to Regulation (EC) No. 453/2010 Date of issue: 15/01/2013 Revision date: 09/03/2015

Supersedes: 15/01/2013

Version: 1.1

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product identifier** 1.1. Product form : Substance Trade name : Prayphos DAP FG Chemical name : Diammonium hydrogenorthophosphate FC index no None EC no 231-987-8 CAS No : 7783-28-0 : 01-2119490974-22-0014 **REACH** registration No Product code : PR-07 : (NH4)2HPO4 Formula Synonyms Secondary ammonium phosphate; Ammonium phosphate dibasic; Diammonium hydrogen phosphate; DAP : phosphates Product group Relevant identified uses of the substance or mixture and uses advised against 1.2. 1.2.1. Relevant identified uses Use of the substance/mixture : Food/feedstuff additives 1.2.2 **Uses advised against**

No additional information available

# 1.3. Details of the supplier of the safety data sheet PRAYON S.A. Rue Joseph Wauters, 144 B-4480 Engis - Belgique-Belgium T +32 (0)4 273 92 11 - F +32 (0)4 273 96 35 Reachcustomer@prayon.be - www.prayon.be

#### 1.4. **Emergency telephone number** Country Organisation/Company Address **Emergency number** Fossvogi 108 Reykjavik ICELAND **Iceland Poisons Information Centre** +354 525 111 Landspitali University Hospital +354 543 2222 **IRELAND (REPUBLIC** Beaumont Hospital Beaumont Road 9 Dublin National Poisons Information Centre : +353 1 8379964 Beaumont Hospital OF) Israel Poisons Information Centre PO Box 9602 ISRAEL +972 4 854 1900 31096 Haifa Rambam Medical Centre UNITED KINGDOM Grosvenor Road BT12 6BA Belfast National Poisons Information Service (Belfast 0870 600 6266 (UK only), Centre) Royal Victoria Hospital Dudley Road B18 7QH Birmingham UNITED KINGDOM 0844 892 0111 (UK only, National Poisons Information Service (Birmingham Centre) Monday to Friday, 08.00 to City Hospital 18.00 hours) UNITED KINGDOM National Poisons Information Service (Cardiff Penarth 0844 892 0111 (UK only, CF64 2XX Cardiff Monday to Friday, 08.00 to Centre) Gwenwyn Ward, Llandough Hospital 18.00 hours) 51 Little France Crescent UNITED KINGDOM NPIS Edinburgh (Scottish Poisons Information 0844 892 0111 (UK only, EH16 4SA Edinburgh Monday to Friday, 08.00 to Bureau) Royal Infirmary of Edinburgh 18.00 hours) Avonley Road UNITED KINGDOM 0870 243 2241 Guy's & St Thomas' Poisons Unit SE14 5ER London Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust UNITED KINGDOM National Poisons Information Service (Newcastle Claremont Place 0844 892 0111 (UK only, Newcastle-upon-Tyne Monday to Friday, 08.00 to Centre) NE1 4LP Newcastle Regional Drugs and Therapeutics Centre, Wolfson Unit 18.00 hours)

## **SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified

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Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

## Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

This substance must not be labelled according to Regulation (EC) n° 1272/2008 (CLP).

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

<b>SECTION 3: Composition</b>	/information on ing	gredients		
3.1. Substance				
Name	: DIAM	MONIUM PHOSPHATE (FOO	D GRADE)	
CAS No	: 7783-	28-0		
EC no	: 231-9	87-8		
EC index no	: None			
Name		Product identifier	%	Classification according to Directive 67/548/EEC
Diammonium hydrogenorthophospha	ite	(CAS No) 7783-28-0 (EC no) 231-987-8	> 96	Not classified
Name		Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Diammonium hydrogenorthophosphate		(CAS No) 7783-28-0 (EC no) 231-987-8	> 96	Not classified

## Full text of R- and H-phrases: see section 16

3.2. Mixture	
Not applicable	
SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove victim to fresh air. Call a physician immediately. If breathing is difficult, give oxygen.
First-aid measures after skin contact	: Remove contaminated clothing and shoes. If on skin, take off contaminated clothing. Wash immediately with plenty of soap and water.
First-aid measures after eye contact	<ul> <li>In case of eye contact, immediately rinse with clean water for 10-15 minutes. Take medical advice immediately.</li> </ul>
First-aid measures after ingestion	: Do not induce vomiting. Seek medical attention if ill effect develops. Immediately rinse mouth with water.
4.2. Most important symptoms and e	ffects, both acute and delayed
Symptoms/injuries	: No specific effects and/or symptoms have been reported or are known.
4.3. Indication of any immediate med	ical attention and special treatment needed
See Heading 4.1.	
SECTION 5: Firefighting measure	S
5.1. Extinguishing media	
Suitable extinguishing media	: All extinguishing media can be used.
5.2. Special hazards arising from the	substance or mixture
Fire hazard	: On exposure to high temperature, may decompose, releasing toxic gases. ammonia. Phosphorus oxides.
5.3. Advice for firefighters	
Protection during firefighting	: Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.
SECTION 6: Accidental release m	easures
6.1. Personal precautions, protective	equipment and emergency procedures
General measures	: Do not breathe dust. Personal protective equipment (see section (s) :8.2).
6.1.1. For non-emergency personnel No additional information available	

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6.1.2.	For emergency responders		
No add	litional information available		
6.2.	Environmental precautions		
Preven	t entry to sewers and public waters.		
6.3.	6.3. Methods and material for containment and cleaning up		
Method	ls for cleaning up	: On land, sweep or shovel into suitable containers. Collect spill when it is dry. Wash thoroughly after handling.	
6.4.	Reference to other sections		
See se	ction 8 and 13 for more information.		
SECT	ION 7: Handling and storage	je	
7.1.	Precautions for safe handling		
Precau	tions for safe handling	: Do not allow contamination by any foreign material. Avoid dust production. Prevent moisture contact. Wear suitable protective clothing and gloves.	
Hygien	e measures	: When using do not eat, drink or smoke. 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, in	cluding any incompatibilities	
Storage	e conditions	: Store in dry, cool, well-ventilated area. Store away from heat/moisture. Keep away from combustible material.	
7.3.	Specific end use(s)		

No additional information available

SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

Prayphos DAP FG (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/m³		
DNEL/DMEL (General population)			
Long-term - systemic effects,oral	2,1 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	1,8 mg/m³		
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)			
PNEC sewage treatment plant	10 mg/l		
8.2. Exposure controls			
Appropriate engineering controls	: Avoid dust production. Good ventilation of the workplace required.		
Hand protection	: Wear protective gloves.		
Eye protection	: Wear safety glasses with side shields according EN 166.		
Skin and body protection	: Protective clothing (with elasticated cuffs and closed neck)		
Respiratory protection	: Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material (Type FFP2 in accordance with EN 140 or 149)		
Environmental exposure controls	: Avoid release to the environment.		

**SECTION 9: Physical and chemical properties** 9.1. Information on basic physical and chemical properties Physical state : Powder Molecular mass : 132 g/mol Colour : white. Odour : odourless. Odour threshold : No data available : 7,8 - 8,4 pН Relative evaporation rate (butylacetate=1) : No data available Melting point : No data available

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Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not flammable
Auto-ignition temperature	: Not flammable
Decomposition temperature	: 150 °C
Flammability (solid, gas)	: Not flammable
Vapour pressure	: 0,0762 Pa 20°C
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Density	: 0,94 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	: Product is not explosive.
Oxidising properties	: Non oxidizing material according to EC criteria.
Explosive limits	: Not applicable Not explosive

#### 9.2. **Other information**

No additional information available

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
Stable u	under normal conditions (Handling and storage).
10.2.	Chemical stability
Stable u	under normal conditions (Handling and storage).
10.3.	Possibility of hazardous reactions
No.	
10.4.	Conditions to avoid
High ter	nperature. (Decomposition). Moisture.
10.5.	Incompatible materials
Strong a	acids.
10.6.	Hazardous decomposition products

Toxic fumes. Ammonia. Phosphorus oxides. Nitrogen oxides.

## **SECTION 11: Toxicological information**

11.1. Information on toxicological effects	3
Acute toxicity	: Not classified
Prayphos DAP FG (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/m³ ( 4h - OECD 403)
Skin corrosion/irritation	: Not irritating. rabbit,Similar to:OECD 404 pH: 7,8 - 8,4
Serious eye damage/irritation	: Not irritating. rabbit,Similar to:OECD 405 pH: 7,8 - 8,4
Respiratory or skin sensitisation	: Did not cause sensitisation. mouse, LLNA, OECD 429
Germ cell mutagenicity	: Negative. AMES test. OECD 476
Carcinogenicity	: Not a carcinogen suspected agent.
Reproductive toxicity	: NOAEL: > = 1500 mg/kg bw/day(rat, oral, 28 days, OECD 422)
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Prayphos DAP FG (7783-28-0)	
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight/day OECD 422
Aspiration hazard	: Not classified
40/00/0045	

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ccording to Regulation (EC) No. 453/2010			
SECTION 12: Ecological informa	tion		
I2.1. Toxicity			
Ecology - water	: This product does not present an	ny particular risk for the environment.	
Prayphos DAP FG (7783-28-0)	· ·		
LC50 fishes 1	1700 mg/l (96h - OECD 203)		
EC50 Daphnia 1	1790 mg/l (72h - Daphnia carinat	a)	
NOEC (chronic)	100 mg/l (Selenastrum capricorni		
NOEC (additional information)	ACTIVATED SLUDGE		
	100mg/L OECD 209		
12.2. Persistence and degradability			
Prayphos DAP FG (7783-28-0)			
Persistence and degradability	Not relevant. (inorganic substanc	e).	
12.3. Bioaccumulative potential			
Prayphos DAP FG (7783-28-0)			
Bioaccumulative potential	small.		
•			
12.4. Mobility in soil			
Prayphos DAP FG (7783-28-0)			
Ecology - soil	No data available.		
12.5. Results of PBT and vPvB asses	sment		
Prayphos DAP FG (7783-28-0)			
This substance/mixture does not meet the	PBT criteria of REACH regulation, annex	XIII	
This substance/mixture does not meet the	vPvB criteria of REACH regulation, annex	x XIII	
12.6. Other adverse effects			
Other adverse effects	: No.		
Additional information		d as such may contribute to the growth of phytor	planctons in
	water.	a as such may contribute to the growth of phytop	Jancions in
SECTION 13: Disposal considera	tions		
13.1. Waste treatment methods			
Waste treatment methods       : Dispose in a safe manner in accordance with local/national regulations.			
Additional information		dues or dusts and are subject to proper waste dis	sposal, as
	above.		
SECTION 14: Transport informat	ion		
In accordance with ADR / RID / IMDG / IAT			
14.1. UN number			
Not regulated for transport			
14.2. UN proper shipping name			
Proper Shipping Name (ADR)	: Not applicable		
Proper Shipping Name (IMDG)	: Not applicable		
Proper Shipping Name (IATA)	: Not applicable		
Proper Shipping Name (ADN)	: Not applicable		
Proper Shipping Name (RID)	: Not applicable		
14.3. Transport hazard class(es)			
ADR			
Transport hazard class(es) (ADR)	: Not applicable		
MDG			
Transport hazard class(es) (IMDG)	: Not applicable		
ΙΑΤΑ			
Transport hazard class(es) (IATA)	: Not applicable		
ADN			
אסא Transport hazard class(es) (ADN)	: Not applicable		
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RID				
Transport hazard class(es) (RID)	: Not applic	able		
14.4. Packing group				
Packing group (ADR)	: Not applic	able		
Packing group (IMDG)	: Not applic			
Packing group (IATA)	: Not applic	able		
Packing group (ADN)	: Not applic			
Packing group (RID)	: Not applic	able		
14.5. Environmental hazards				
Dangerous for the environment	: No			
Marine pollutant Other information	: No	montary information available		
Other Information	. No supple	mentary information available		
14.6. Special precautions for user				
14.6.1. Overland transport				
14.6.2. Transport by sea				
14.6.3. Air transport				
14.6.4. Inland waterway transport				
Carriage prohibited (ADN)	: No			
Not subject to ADN	: No			
14.6.5. Rail transport				
Carriage prohibited (RID)	: No			
14.7. Transport in bulk according to	Annex II of MARP	OL 73/78 and the IBC Code		
Not applicable				
SECTION 15: Regulatory inform	ation			
15.1. Safety, health and environmer	tal regulations/leg	islation specific for the subs	tance or mixture	
15.1.1. EU-Regulations				
No REACH Annex XVII restrictions				
Prayphos DAP FG is not on the REACH C	andidate List			
Contains no substance on the REACH car				
Prayphos DAP FG is not on the REACH A				
Contains no REACH Annex XIV substance	¥S			
Other information, restriction and prohibition regulations	on : Not requir	ed.		
15.1.2. National regulations				
Germany				
Water hazard class (WGK)	: 1 - low ha	zard to waters		
15.2. Chemical safety assessment				
A chemical safety assessment has been c	arried out			
<b>SECTION 16: Other information</b>				
Indication of changes:				
according to Regulation (EC) No. 1907/20 453/2010.	06 (REACH) with its	amendment Regulation (EC)	No.	
9	рН	Modified	7,8 - 8,4	
Abbreviations and acronyms:				

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	ADN: European Agreement concerning international carriage of Dangerous goods by Inland waterways
	ADR: European Agreement concerning international carriage of Dangerous goods by Road
	AF : Assessment factor
	BCF : Bioconcentration factor
	Bw: Body weight
	CAS: Chemical Abstracts Service
	CLP : Classification, labelling, packaging
	CSR: Chemical Safety Report
	DMEL : Derived maximum effect level
	DNEL: Derivative No effect Level
	EC: European Community
	ELV : Emission limit values
	EN: European Norm
	EUH: European Hazard Statement
	EWC : European Waste catalogue
	IATA: International Air Transport Association
	ICAO: International Civil Aviation Organization
	IMDG: International Maritime Dangerous Goods
	LC50: Median lethal concentration
	LD50 : Median lethal dose
	NOAEL : No-observed-adverse-effect-level
	NOEC : No observed effect concentration
	NOEL : No observed effect level
	OEL : Operator exposure level
	PBT: Persistent, bioaccumulative, Toxic
	PEC : Predicted effect level
	PNEC: Predicted No effect Concentration
	REACH : Registration, evaluation and autorisation of chemicals
	RID: Regulations concerning the international carriage of dangerous goods by rail
	STEL: Short Term Exposure Limit
	TWA : Time weighted average
	vPvB: Very persistent, very bioaccumulative
ata sources	· Reach dossier

Data sources Training advice : Reach dossier.

: None.

SDS EU (REACH Annex II) (Prayon)

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