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

1.1. Product identifier

Product form : Substance
 Trade name/designation : TSP
 Chemical name : Superphosphates, concd.
 EC-No. : 266-030-3
 CAS-No. : 65996-95-4
 REACH registration No : 01-2119493057-33-XXXX
 Product group : Trade product

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Crop Nutrient
 Further information: see exposure scenarios attached to this safety data sheet.

1.2.2. Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

OCP Group
 2-4, Rue Al Abtal, Hay Erraha, 20200, Casablanca
 5196 BP Maârif - Morocco
 T +212 5 22 23.00.25 - F +212 5 22 99 83 95
M.Ameziane@ocpgroup.ma
 Reach ChemAdvice GmbH
 Am Marktplatz 5 - 65779 Kelkheim (Taunus) - Germany
 T +49 (0) 6195 96199 14 - F +49 (0) 6195 96199 33
rudolf.staab@reach-chemadvice.com

1.4. Emergency telephone number

Emergency number : +212 522 23 04 24
 Only available during office hours.

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	+353 1 809 21 66 (public, 8am - 10pm, 7/7) +353 01 809 2566 (Professionals, 24/7)
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, 24/7, healthcare professionals only)


SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Eye Dam. 1 H318

Full text of H statements : see section 16

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2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

Signal word :

Danger

Hazard statements (CLP) :

H318 - Causes serious eye damage.

Precautionary statements (CLP) :

Wear protective gloves, protective clothing, eye protection, face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER, a doctor.

2.3. Other hazards

Other hazards :

The study does not need to be conducted because the substance is inorganic.

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance name :

TSP

CAS-No. :

65996-95-4

EC-No. :

266-030-3

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Superphosphates, concd.	(CAS-No.) 65996-95-4 (EC-No.) 266-030-3	73 - 77	Eye Dam. 1, H318
phosphoric acid ... %, orthophosphoric acid ... %	(CAS-No.) 7664-38-2 (EC-No.) 231-633-2 (EC Index) 015-011-00-6	1 - 5	Skin Corr. 1B, H314


Specific concentration limits:

Substance name	Product identifier	Specific concentration limits
phosphoric acid ... %, orthophosphoric acid ... %	(CAS-No.) 7664-38-2 (EC-No.) 231-633-2 (EC Index) 015-011-00-6	(10 =<C < 25) Eye Irrit. 2, H319 (10 =<C < 25) Skin Irrit. 2, H315 (C >= 25) Skin Corr. 1B, H314

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

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SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice	: First aider: Pay attention to self-protection. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance. Treat symptomatically.
Inhalation	: Remove person to fresh air and keep comfortable for breathing. In case of doubt or persistent symptoms, consult always a physician.
Skin contact	: Wash contaminated clothing before reuse. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.
Eyes contact	: Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
Ingestion	: Rinse mouth thoroughly with water. Get medical advice/attention.

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

Inhalation	: The following symptoms may occur: Inhalation of dust may cause irritation of the respiratory system.
Skin contact	: The following symptoms may occur: Contact with dust may cause mechanical irritation or drying of the skin.
Eyes contact	: Causes serious eye damage. The following symptoms may occur: Dust may cause painful eye irritation and tearing.
Ingestion	: The following symptoms may occur: Ingestion may cause nausea and vomiting, Gastrointestinal complaints.

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media


Suitable extinguishing media	: carbon dioxide (CO ₂), powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media	: Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards	: Not flammable.
Hazardous decomposition products in case of fire	: Sulphur oxides. Phosphorus oxides. Hydrogen fluoride. fluorinated compounds.

5.3. Advice for firefighters

Firefighting instructions	: Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment. Avoid dust formation. Knock down/dilute dust cloud with water spray.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
Other information	: Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel : Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe dust. Avoid contact with skin, eyes and clothing. Ensure equipment is adequately earthed. Use explosion-proof equipment. Use only non-sparking tools.

6.1.2. For emergency responders

For emergency responders : Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Stop leak if safe to do so. Dam up the solid spill. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation. Avoid dust formation. Knock down/dilute dust cloud with water spray.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe dust. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Avoid dust formation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools.

Hygiene measures : Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Prevent moisture contact.

Heat and ignition sources : Keep away from open flames, hot surfaces and sources of ignition. Keep out of direct sunlight.

Packaging materials : Keep only in the original container.

7.3. Specific end use(s)

see attached exposure scenario.



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Superphosphates, concd. (65996-95-4)		
Bulgaria	OEL TWA (mg/m ³)	5 mg/m ³
phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)		
EU	IOELV TWA (mg/m ³)	1 mg/m ³
EU	IOELV STEL (mg/m ³)	2 mg/m ³
Austria	MAK (mg/m ³)	1 mg/m ³
Austria	MAK Short time value (mg/m ³)	2 mg/m ³
Belgium	Limit value (mg/m ³)	1 mg/m ³
Belgium	Short time value (mg/m ³)	2 mg/m ³
Bulgaria	OEL TWA (mg/m ³)	1 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	2 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	1 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	2 mg/m ³
Cyprus	OEL TWA (mg/m ³)	1 mg/m ³
Cyprus	OEL STEL (mg/m ³)	2 mg/m ³
Czech Republic	Expoziční limity (PEL) (mg/m ³)	1 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	1 mg/m ³
Estonia	OEL TWA (mg/m ³)	1 mg/m ³ (vapor)
Estonia	OEL STEL (mg/m ³)	2 mg/m ³ (vapor)
Finland	HTP-arvo (8h) (mg/m ³)	1 mg/m ³
Finland	HTP-arvo (15 min)	2 mg/m ³
France	VME (mg/m ³)	1 mg/m ³ (indicative limit)
France	VME (ppm)	0,2 ppm (indicative limit)
France	VLE (mg/m ³)	2 mg/m ³ (indicative limit)
France	VLE (ppm)	0,5 ppm (indicative limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	2 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Gibraltar	8h mg/m ³	1 mg/m ³
Gibraltar	Short-term mg/m ³	2 mg/m ³
Greece	OEL TWA (mg/m ³)	1 mg/m ³
Greece	OEL STEL (mg/m ³)	3 mg/m ³
Hungary	AK-érték	1 mg/m ³
Hungary	CK-érték	2 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	1 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	2 mg/m ³
Italy	OEL TWA (mg/m ³)	1 mg/m ³
Italy	OEL STEL (mg/m ³)	2 mg/m ³
Latvia	OEL TWA (mg/m ³)	1 mg/m ³
Lithuania	IPRV (mg/m ³)	1 mg/m ³



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phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)

Lithuania	TPRV (mg/m ³)	2 mg/m ³
Luxembourg	OEL TWA (mg/m ³)	1 mg/m ³
Luxembourg	OEL STEL (mg/m ³)	2 mg/m ³
Malta	OEL TWA (mg/m ³)	1 mg/m ³
Malta	OEL STEL (mg/m ³)	2 mg/m ³
Netherlands	Grenswaarde TGG 8H (mg/m ³)	1 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	2 mg/m ³
Poland	NDS (mg/m ³)	1 mg/m ³
Poland	NDSch (mg/m ³)	2 mg/m ³
Portugal	OEL TWA (mg/m ³)	1 mg/m ³ (indicative limit value)
Portugal	OEL STEL (mg/m ³)	3 mg/m ³ (indicative limit value)
Romania	OEL TWA (mg/m ³)	1 mg/m ³
Romania	OEL STEL (mg/m ³)	2 mg/m ³
Slovakia	NPHV (priemerná) (mg/m ³)	1 mg/m ³
Slovakia	NPHV (Hraničná) (mg/m ³)	2 mg/m ³
Slovenia	OEL TWA (mg/m ³)	1 mg/m ³
Slovenia	OEL STEL (mg/m ³)	2 mg/m ³
Spain	VLA-ED (mg/m ³)	1 mg/m ³ (indicative limit value)
Spain	VLA-EC (mg/m ³)	2 mg/m ³
Sweden	nivågränsvärde (NVG) (mg/m ³)	1 mg/m ³
Sweden	kortidsvärde (KTV) (mg/m ³)	2 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	1 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	2 mg/m ³
Norway	Grenseverdier (AN) (mg/m ³)	1 mg/m ³
Norway	Grenseverdier (Korttidsverdi) (mg/m ³)	2 mg/m ³ (value calculated)
Switzerland	MAK (mg/m ³)	1 mg/m ³
Switzerland	KZGW (mg/m ³)	2 mg/m ³
Australia	TWA (mg/m ³)	1 mg/m ³
Australia	STEL (mg/m ³)	3 mg/m ³
Canada (Quebec)	VECD (mg/m ³)	3 mg/m ³
Canada (Quebec)	VEMP (mg/m ³)	1 mg/m ³
USA - ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³
USA - ACGIH	ACGIH STEL (mg/m ³)	3 mg/m ³
USA - IDLH	US IDLH (mg/m ³)	1000 mg/m ³
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	1 mg/m ³
USA - NIOSH	NIOSH REL (STEL) (mg/m ³)	3 mg/m ³
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	1 mg/m ³

TSP (65996-95-4)

DNEL/DMEL (workers)

Long-term - systemic effects, dermal 4,2 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 2,9 mg/m³



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TSP (65996-95-4)

DNEL/DMEL (general population)

Long-term - systemic effects, inhalation 0,72 mg/m³

Long-term - systemic effects, dermal 2,1 mg/kg bodyweight/day

PNEC (water)

PNEC aqua (freshwater) 1,7 mg/l

PNEC aqua (marine water) 0,17 mg/l

Additional information : Personal air monitoring :. Room air monitoring. Recommended monitoring procedures

8.2. Exposure controls

Engineering measure(s) : Provide adequate ventilation. Organisational measures to prevent /limit releases, dispersion and exposure. Safe handling: see section 7 . Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Apply measures to prevent dust explosions. Ensure equipment is adequately earthed.

Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection : Not required for normal conditions of use. In case of repeated or prolonged contact wear gloves. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Eye protection : Dust protection eye glasses

Body protection : Wear suitable protective clothing.

Respiratory protection : Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. Effective dust mask. Filter type: P (EN 143)

Thermal hazard protection : Not required for normal conditions of use. Use dedicated equipment.

Environmental exposure controls : Avoid release to the environment. Comply with applicable Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : granulate.

Colour : Grey.

Odour : odourless.

Odour threshold : Not applicable

pH : 3 - 3,5 (10%)

Relative evaporation rate (butylacetate=1) : Not applicable

Melting / freezing point : > 200 °C Decomposes before melting

Freezing point : No data available


Initial boiling point and boiling range : Decomposes below the boiling point.

Flash point : Not applicable

Auto-ignition temperature : Not applicable

Decomposition temperature : > 200 °C Bulk density

Flammability (solid, gas) : The product is not flammable.

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Vapour pressure	: 0,00000084 Pa @ 20°C
Vapour density	: Not applicable
Relative density	: Not applicable
Density	: 900 - 1200 @20°C
Solubility	: Water: 54 g/l @20°C
Partition coefficient n-octanol/water	: No data available
Kinematic viscosity	: Not applicable
Dynamic viscosity	: Not applicable
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule. The classification procedures for self-reactive substances and mixtures need not be applied because there are no chemical groups present in the molecule associated with explosive or selfreactive properties.
Oxidising properties	: Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosive limits	: Not applicable

9.2. Other information

Additional information : inorganic. Solid

SECTION 10: Stability and reactivity

10.1. Reactivity

Reference to other sections: 10.4 & 10.5.

10.2. Chemical stability

Stable under normal conditions. Hygroscopic.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid dust formation. Prevent moisture contact. Safe handling: see section 7.

10.5. Incompatible materials

Alkali. Urea. Safe handling: see section 7.

10.6. Hazardous decomposition products


Reference to other sections: 5.2.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met.)

Superphosphates, concd. (65996-95-4)	
LD50/oral/rat	> 5000 mg/kg
phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)	
LD50/oral/rat	1530 mg/kg
LD50/dermal/rabbit	2730 mg/kg
LC50/inhalation/4h/rat	> 850 mg/m ³ (Exposure time: 1 h)

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Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.) pH: 3 - 3,5 (10%)
Serious eye damage/irritation	: Causes serious eye damage. pH: 3 - 3,5 (10%)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.)
Aspiration hazard	: Not classified (Not classified due to lack of data. Based on available data, the classification criteria are not met.)
Other information	: Symptoms related to the physical, chemical and toxicological characteristics. For further information see section 4.

SECTION 12: Ecological information

12.1. Toxicity

Environmental properties	: not hazardous. According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".
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12.2. Persistence and degradability

TSP (65996-95-4)	
Persistence and degradability	Not applicable. The study does not need to be conducted because the substance is inorganic.

12.3. Bioaccumulative potential


TSP (65996-95-4)	
Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	There is no bioaccumulation.

12.4. Mobility in soil

TSP (65996-95-4)	
Mobility in soil	No data available
Ecology - soil	Not applicable.

12.5. Results of PBT and vPvB assessment

TSP (65996-95-4)	
Results of PBT assessment	No data available
ingredient	
phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)	The product does not meet the PBT and vPvB classification criteria

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12.6. Other adverse effects

Other adverse effects : No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose of empty containers and wastes safely. Safe handling: see section 7. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

Additional information : In accordance with local and national regulations.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : This material and its container must be disposed of as hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

The following Waste Codes are only suggestions:
150110 - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

Special precautions for user : No data available

- Overland transport

No data available

- Transport by sea


No data available

- Air transport

No data available

- Inland waterway transport

No data available

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- Rail transport

No data available

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

Code: IBC : IMSBC Code Group C.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	phosphoric acid ... %, orthophosphoric acid ... %
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	phosphoric acid ... %, orthophosphoric acid ... %

TSP is not on the REACH Candidate List

TSP is not on the REACH Annex XIV List

15.1.2. National regulations

France

Installations classées : NA

Germany

Reference to AwSV : Water hazard class (WGK) 1, low hazard to waters

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 : TSP is listed

SZW-lijst van mutagene stoffen : TSP is 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

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

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15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out

SECTION 16: Other information


Indication of changes:

1		Modified	
4		Modified	
5		Modified	
6		Modified	
8		Modified	
9		Modified	
10		Modified	
12.		Modified	
16		Modified	

Abbreviations and acronyms:

	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	ABM = Algemene beoordelingsmethodiek
	BTT = Breakthrough time (maximum wearing time)
	DMEL = Derived Minimal Effect level
	DNEL = Derived No Effect Level
	EC50 = Median Effective Concentration
	EL50 = Median effective level
	ErC50 = EC50 in terms of reduction of growth rate
	ErL50 = EL50 in terms of reduction of growth rate
	EWC = European waste catalogue
	LC50 = Median lethal concentration
	LD50 = Median lethal dose
	LL50 = Median lethal level
	NA = Not applicable
	NOEC = No observed effect concentration
	NOEL: no-observed-effect level
	NOELR = No observed effect loading rate
	NOAEC = No observed adverse effect concentration
	NOAEL = No observed adverse effect level
	N.O.S. = Not Otherwise Specified
	OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
	PNEC = Predicted No Effect Concentration
	Quantitative structure-activity relationship (QSAR)
	STOT = Specific Target Organ Toxicity
	TWA = time weighted average
	VOC = Volatile organic compounds
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the datasheet : European Chemicals Bureau, SDS supplier, CSR.

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Training advice : Training staff on good practice. Manipulations are to be done only by qualified and authorised persons.

Full text of H- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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