Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 07/03/2018 Revision date: 07/03/2018 Version: 3.0 SDS No: 12301-0021



SEC	FION 1: Identification				
1.1.	Identification				
Produc	ct form	: Mixtur	e		
Produc	ct name	: Sentin	el X300		
1.2.	Recommended use and restriction	s on use			
Recom	nmended use	: Cleani	ing agent for central he	ating systems	
1.3.	Supplier				
Sentin 7650 E Warrin T +44	acturer el Performance Solutions LTD Daresbury gton, Cheshire, WA4 4BS - Great Britair (0)1928 704 330 - F +44 (0)1928 562 07 @sentinelprotects.com		Dougl 1550 Libert	butor las Products & Packag East Old 210 Highway y, Missouri 64068 - U 6)-781-4250 (8am - 5p	
1.4.	Emergency telephone number				
Emerg	ency number	: Chem	trec (800) 424-9300 (24	4/7)	
SEC	FION 2: Hazard(s) identification				
2.1.	Classification of the substance or	nixture			
	JS classification				
Not cla	assified				
2.2.	GHS Label elements, including pre	cautionary	statements		
GHS-L	JS labeling				
No lab	eling applicable				
2.3.	Other hazards which do not result	in classific	ation		
	ditional information available				
2.4.	Unknown acute toxicity (GHS US)				
Not ap	plicable				
	FION 3: Composition/Informati	on on ind	aradiante		
3.1.			greatents		
-	Substances plicable				
3.2.	Mixtures				
			Product identifier	%	GHS-US classification
Nam Phos	e horic acid		(CAS-No.) 7664-38-2	5 - 10	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302
				I	Skin Corr. 1B, H314
Full te	xt of hazard classes and H-statements :	see section	16		
SEC	FION 4: First-aid measures				
4.1.	Description of first aid measures				
First-a	id measures general	: Never advice		h to an unconscious p	erson. If you feel unwell, seek medical
First-a	id measures after inhalation	: Remo	ve person to fresh air a	and keep comfortable f	or breathing.
First-a	id measures after skin contact	: Remo water.		y all contaminated clot	hing. Gently wash with plenty of soap and
First-a	id measures after eye contact	: Rinse	immediately with plent		the eyelids. Remove contact lenses, if

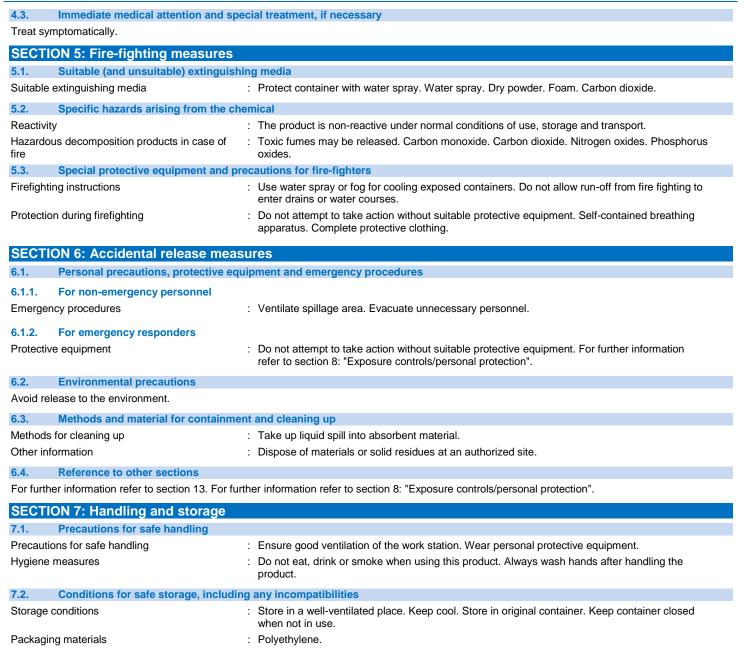
First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Phosphoric acid (7664-38-2)			
ACGIH	Local name	Phosphoric acid	
ACGIH	ACGIH TWA (mg/m³)	1 mg/m ³	
ACGIH	ACGIH STEL (mg/m ³)	3 mg/m ³	
ACGIH	Remark (ACGIH)	URT, eye, & skin irr	
ACGIH	Regulatory reference	ACGIH 2018	
OSHA	OSHA PEL (TWA) (mg/m ³)	1 mg/m ³	
OSHA	Regulatory reference (US-OSHA)	OSHA	

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Phosphoric acid (7664-38-2)		
IDLH	US IDLH (mg/m ³)	1000 mg/m³
NIOSH	NIOSH REL (TWA) (mg/m³)	1 mg/m ³
NIOSH	NIOSH REL (STEL) (mg/m ³)	3 mg/m ³

8.2. Appropriate engineering controls

: Ensure good ventilation of the work station.

Appropriate engineering controls Environmental exposure controls

: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves. EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer

Eye protection:

Chemical goggles or safety glasses. EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

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In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and chemical properties			
Physical state	: Liquid		
Appearance	: Aqueous solution.		
Color	: clear light yellow orange		
Odor	: characteristic		
Odor threshold	: No data available		
рН	: 6.7 @ 25°C		
Melting point	: No data available		
Freezing point	: -14 °C		
Boiling point	: No data available		
Flash point	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Flammability (solid, gas)	: Not applicable. Not flammable.		
Vapor pressure	: No data available		
Relative vapor density at 20 °C	: No data available		
Relative density	: 1.1 @ 25°C		
Solubility	: Miscible with water.		
Log Pow	: No data available		
Auto-ignition temperature	: No data available		
Decomposition temperature	: No data available		
Viscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
Explosion limits	: No data available		
Explosive properties	: Product is not explosive.		
Oxidizing properties : Non oxidizing material.			
9.2. Other information			

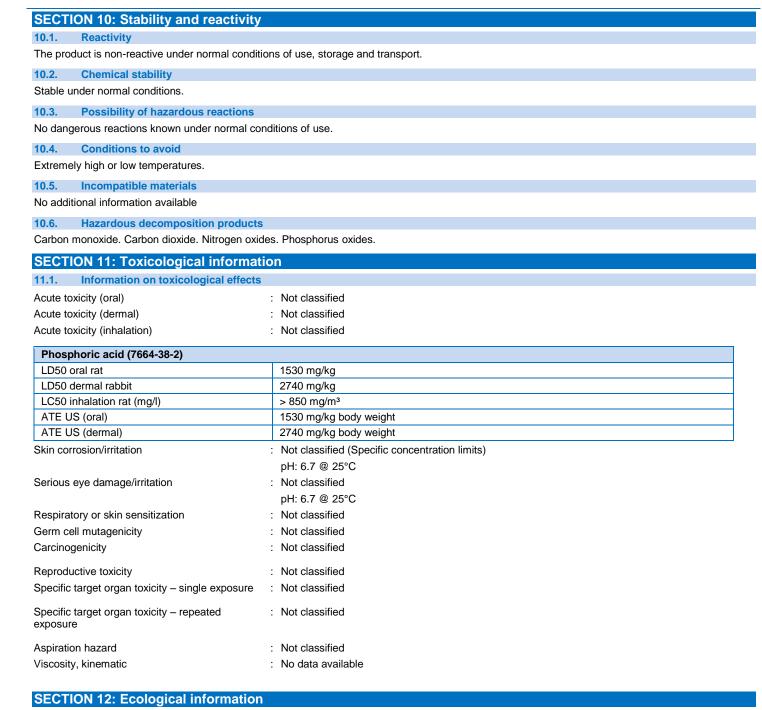
No additional information available



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12.1. Toxicity

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Ecology	/ - general	: The product is not considered harmful to aquatic organisms or to ca effects in the environment.	use long-term adverse
12.2.	Persistence and degradability		
No add	itional information available		
12.3.	Bioaccumulative potential		
No add	itional information available		
12.4.	Mobility in soil		
No add	itional information available		
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Other adverse effects 12.5.

No additional information available

SECTION 13: Disposal considerations				
13.1. Disposal methods				
Waste treatment methods	: Dispose of contents/container in accordance with licensed co			
Desides (/Desides all and the second se	Example a set of some should be taken for an available a second some			

Product/Packaging disposal recommendations

- ector's sorting instructions. : Empty containers should be taken for recycling, recovery or waste in accordance with local
- regulation.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Phosphoric acid (7664-38-2)	
CERCLA RQ	5000 lb

15.2. International regulations

CANADA Phosphoric acid (7664-38-2) Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Phosphoric acid (7664-38-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

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Phosphoric acid (7664-38-2)	
Listed on the AICS (Australian Inventory of Chemical Substances)	
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)	
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory	
Listed on the Korean ECL (Existing Chemicals List)	
Listed on NZIoC (New Zealand Inventory of Chemicals)	
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)	
Listed on INSQ (Mexican national Inventory of Chemical Substances)	
Listed on Turkish inventory of chemical	

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Phosphoric acid(7664-38-2)	U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups U.S Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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Full text of H-phrases:

H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage

Abbreviations and acronyms:

European Agreement concerning the International Carriage of Dangerous Goods by Road
Acute Toxicity Estimate
Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
Derived-No Effect Level
Median effective concentration
International Agency for Research on Cancer
International Air Transport Association
International Maritime Dangerous Goods
Median lethal concentration
Median lethal dose
Persistent Bioaccumulative Toxic
Predicted No-Effect Concentration
Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
Regulations concerning the International Carriage of Dangerous Goods by Rail
Very Persistent and Very Bioaccumulative

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