

SAFETY DATA SHEET

Creation Date 21-Feb-2014

Revision Date 23-May-2017

Revision Number 2

1. Identification Product Name Sodium Phosphate Dibasic Heptahydrate Cat No. : BP331-1; BP331-500 Synonyms Disodium hydrogen phosphate heptahydrate Recommended Use Laboratory chemicals. Uses advised against Not for food, drug, pesticide or biocidal product use

Details of the supplier of the safety data sheet

<u>Company</u>

Fisher Scientific One Reagent Lane Fair Lawn, NJ 07410 Tel: (201) 796-7100

Emergency Telephone Number

CHEMTREC®, Inside the USA: 800-424-9300 CHEMTREC®, Outside the USA: 001-703-527-3887

2. Hazard(s) identification

Classification

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Based on available data, the classification criteria are not met

Label Elements None required

Hazards not otherwise classified (HNOC)

None identified

3. Composition / information on ingredients

Compon	ent	CAS-No	Weight %		
Disodium orthophosphate heptahydrate		7782-85-6	98-99		
	4	First-aid measures			
Eye Contact		diately with plenty of water, also unde cal attention.	r the eyelids, for at least 15 minutes.		
Skin Contact	Wash off im	mediately with plenty of water for at le	east 15 minutes. Get medical attention		

	immediately if symptoms occur.
Inhalation	Move to fresh air. Get medical attention immediately if symptoms occur.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.
Most important symptoms/effects Notes to Physician	None reasonably foreseeable. Treat symptomatically
	5. Fire-fighting measures

	5. File-nynting measure:
Unsuitable Extinguishing Media	No information available
Flash Point Method -	No information available No information available
Autoignition Temperature	

Explosion Limits	
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available

Specific Hazards Arising from the Chemical

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

Hazardous Combustion Products

Oxides of phosphorus Sodium oxides

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	
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Health 0	Flammability 0	Instability 1	Physical hazards N/A			
	6. Accidental rel	ease measures				
Personal Precautions Environmental Precautions	Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Should not be released into the environment. See Section 12 for additional ecological information.					
Methods for Containment and Up	Clean Sweep up or vacuum up sp formation.	illage and collect in suitable co	ontainer for disposal. Avoid dust			
	7. Handling a	and storage				
Handling	· ·	quipment. Ensure adequate ve gestion and inhalation. Avoid c	entilation. Avoid contact with skin, lust formation.			
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.					
8	3. Exposure controls /	personal protection	on			
Exposure Guidelines		ain any hazardous materials w ion specific regulatory bodies.	ith occupational exposure			
Engineering Measures	None under normal use cor	nditions.				

Personal Protective Equipment

Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Stand EN166.					
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.					
Respiratory Protection	No protective equipment is needed under normal use conditions.					
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.					

9. Physical and chemical properties

Solid
White
Odorless
No information available
9.0-9.3(@ 20) 5% aq.sol. 20°C
48 °C / 118.4 °F
No information available
No information available
Not applicable
No information available
No data available
No data available
No information available
Not applicable
No information available
154 g/L (20°C)
No data available
> 48°C
Not applicable
H Na2 O4 P . 7 H2 O
268.07

10. Stability and reactivity

Reactive Hazard	None known, based on information available			
Stability	Stable under normal conditions.			
Conditions to Avoid	Incompatible products. Excess heat. Avoid dust formation.			
Incompatible Materials	Strong oxidizing agents, Strong acids, Metals			
Hazardous Decomposition Products Oxides of phosphorus, Sodium oxides				
Hazardous Polymerization	Hazardous polymerization does not occur.			
Hazardous Reactions	None under normal processing.			
11. Toxicological information				

Acute Toxicity

Product Information Oral LD50

No acute toxicity information is available for this product Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.

Dermal LD50 Mist LC50		Based on ATE data Based on ATE data				g/kg.				
Component Informa										
Component Disodium orthophosphate		LD50 Oral	Pat)	LD50 Dermal Not listed		Inhalation				
heptahydrat		50 = 12930 mg/kg (Rat) Not listed Not listed								
Toxicologically Syn	ergistic	No information available								
Products Delayed and immed	iate effects as w	vell as chronic effe	cts from short a	nd long-term expo	osure					
Irritation		No information available								
Sensitization		No information ava	No information available							
Carcinogenicity		The table below in	dicates whether e	ach agency has lis	ted any ingredient	as a carcinogen.				
Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico				
Disodium orthophosphate heptahydrate	7782-85-6	Not listed	Not listed	Not listed	Not listed	Not listed				
Mutagenic Effects		No information ava	ilable		•					
Reproductive Effect	S	No information ava	ilable.							
Developmental Effe	cts	No information ava	ilable.							
Teratogenicity		No information available.								
STOT - single expos STOT - repeated exp		None known None known								
Aspiration hazard		No information available								
Symptoms / effects,both acute and delayed		No information available								
Endocrine Disruptor Information		No information available								
Other Adverse Effects		The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.								
		12. Ecolo	ogical infor	mation						
Ecotoxicity Do not empty into dra	ains.									
Persistence and Degradability		Soluble in water Persistence is unlikely based on information available.								
Bioaccumulation/ A	ccumulation	No information available.								
Mobility		Will likely be mobile in the environment due to its water solubility.								
		13. Dispo	sal conside	erations						
Waste Disposal Met	hods	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.								
		14. Transport information								
DOT TDG		Not regulated Not regulated								

		Not regul									
IMDG/IMO Not regulated 15. Regulatory information											
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All of the components in the	e product	are on t	he follow	ving Inven	tory lists	: X = lis	sted				
International Inventories											
Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Disodium orthophosphate heptahydrate	-	-	-	-	-		Х	-	X	X	-
 X - Listed E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA. F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA. N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used. P - Indicates a commenced PMN substance R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA. S - Indicates a substance that is the subject of a Section 4 rest rule under TSCA. S - Indicates a substance that is the subject of a Section 4 rest rule under TSCA. XU - Indicates a substance that is the subject of a Section 4 rest rule under TSCA. XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B). Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater. Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule. U.S. Federal Regulations 											
TSCA 12(b)		Not appli	cable								
SARA 313		Not appli	cable								
SARA 311/312 Hazard CategoriesAcute Health HazardNoChronic Health HazardNoFire HazardNoSudden Release of Pressure HazardNoReactive HazardNo											
CWA (Clean Water Act)		Not applie	cable								
Clean Air Act		Not appli	cable								
OSHA Occupational Safety an Not applicable	nd Health	Administi	ration								
CERCLA Not applicable											
California Proposition 65		This prod	luct does	not contai	n any Pro	position	65 chem	icals			
U.S. State Right-to-Know Regulations		Not appli	cable								
U.S. Department of Transpo	rtation										
Reportable Quantity (RQ): DOT Marine Pollutant DOT Severe Marine Pollutant		N N N									
U.S. Department of Homelar	nd Securi	ty									

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade	No information available			
	16. Other information			
Prepared By	Regulatory Affairs Thermo Fisher Scientific Email: EMSDS.RA@thermofisher.com			
Creation Date Revision Date Print Date Revision Summary	21-Feb-2014 23-May-2017 23-May-2017 This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).			

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS