		according to 1907/2006/EC, Article 31				
Prii	nting date 01.07.2013		Revision: 09.07.2009			
	SECTION 1: Identification of the substance/mixture and of the company/undertaking					
	1.1 Product identifier Trade name Stock number: CAS Number: EC number:	Calcium dihydrogen phosphate hydrate 33300, A12123 301524-28-7 231-837-1				
	1.2 Relevant identified uses of the substance Identified use:	or mixture and uses advised against. SU24 Scientific research and development				
	1.3 Details of the supplier of the safety data s Manufacturer/Supplier:	sheet Alfa Aesar GmbH & Co.KG A Johnson Matthey Company Zeppelinstr. 7b 76185 Karlsruhe / Germany Tel: +49 (0) 721 84007 280 Fax: +49 (0) 721 84007 300 Email: tech@alfa.com				
	Informing department: 1.4 Emergency telephone number:	www.alfa.com Product safety Tel + +049 (0) 7275 988687-0 Carechem 24: +44 (o) 1235 239 670 (Multi-language emergency number) Poison Information Center Mainz www.giftinfo.uni-mainz.de Telephone: +49(0)6131/19240				
	SECTION 2: Hazards identification					
	2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008					
	GHS07					
	Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye irritation STOT SE 3 H335 May cause respiratory irritati	n. .on				
	Classification according to Directive 67/548/	EEC or Directive 1999/45/EC				
	R36/37/38: Irritating to eyes, respiratory syste	em and skin.				
	for human and environment: Other hazards that do not result in	Not applicable				
	classification	No information known.				
	2.2 Label elements Labelling according to Regulation (EC) No 1272/2008	The substance is classified and labelled according to the CLP regulation.				
	Hazard pictograms Signal word	GHS07 Warning H315 Causes skin irritation.				
	Hazard statements	H319 Causes serious eye irritation.				
	Precautionary statements	H335 May cause respirátory irritation. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove	contact lenses, if			
		P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove present and easy to do. Continue rinsing. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P321 Specific treatment (see on this label). P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national				
	2.3 Other hazards Results of PBT and vPvB assessment	regulations.				
	PBT: vPvB:	Not applicable. Not applicable.				
	SECTION 3: Composition/information o					
	3.1 Substances	•				
	CAS# Designation: Identification number(s): EC number:	301524-28-7 Calcium dihydrogen phosphate hydrate 231-837-1				
		201 007-1				
	SECTION 4: First aid measures 4.1 Description of first aid measures After inhalation	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doct persist.	or if symptoms			
	After skin contact	Seek immediate medical advice. Instantly wash with water and soap and rinse thoroughly.				
	After eye contact After swallowing	Seek immediate medical advice. Rinse opened eye for several minutes under running water. Then consult doctor. Seek medical treatment.				
	4.2 Most important symptoms and effects, both acute and delayed	No further relevant information available.				
	4.3 Indication of any immediate medical attention and special treatment needed	No further relevant information available.				
	SECTION 5: Firefighting measures					
	5.1 Extinguishing media Suitable extinguishing agents	CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistan	t foam.			
	2 Special hazards arising from the ubstance or mixture	If this product is involved in a fire, the following can be released: Phosphorus oxides Metal oxide				
	5.3 Advice for firefighters Protective equipment:	Wear self-contained breathing apparatus. Wear full protective suit.				
	SECTION 6: Accidental release measures					
	6.1 Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away.				
	6.2 Environmental precautions:	Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental perr	nits.			
			(Contd. on page 2) DE/E			

Revision: 09.07.2009

Safety data sheet according to 1907/2006/EC, Article 31

Trade name Calcium dihydrogen phospha	ate hydrate			
	Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil.			
Prevention of secondary hazards: 6.4 Reference to other sections	Ensure adequate ventilation. No special measures required. See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.			
SECTION 7: Handling and storage				
7.1 Precautions for safe handling	Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace.			
Information about protection against	No information known.			
7.2 Conditions for safe storage, including any				
Storage Requirements to be met by storerooms and	•			
	No special requirements.			
storage facility:	Store away from strong bases.			
Further information about storage conditions:	Keep container tightly sealed. Store in cool, dry conditions in well sealed containers.			
7.3 Specific end use(s)	No further relevant information available.			
SECTION 8: Exposure controls/personal	l protection			
Additional information about design of				
technical systems:	Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.			
Additional information:	Not required. No data			
8.2 Exposure controls Personal protective equipment General protective and hygienic measures	The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work.			
Breathing equipment: Protection of hands:	Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.			
Material of gloves Penetration time of glove material Eve protection	Impervious gloves Not determined Safety glasses Face protection			
Body protection:	Protective work clothing.			
SECTION 9: Physical and chemical prop	perties			
9.1 Information on basic physical and chemical properties General Information Appearance:				
	Powder White			
Smell:	Odourless Not determined.			
	Not applicable.			
Boiling point/Boiling range:	200 °C (dec) Not determined Not determined			
Flash point: Inflammability (solid, gaseous) Ignition temperature:	Not applicable Not determined. Not determined Not determined			
	Not determined.			
Critical values for explosion:	Product is not explosive. Not determined			
	Not determined Not applicable.			
Density at 20 °C	2,22 g/cm ³ Not determined.			
Vapour density	Not applicable.			
Solubility in / Miscibility with	Not applicable.			
Water at 30 °C: Partition coefficient (n-octanol/water): Viscosity:	18 g/l Not determined.			
kinematic:	Not applicable. Not applicable. No further relevant information available.			
SECTION 10: Stability and reactivity				
10.1 Reactivity	No information known. Stable under recommended storage conditions.			

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

(Contd. on page 3) DE/E

Page 3/4

10.3 Possibility of hazardous reactions No dangerous reactions known 10.4 Incompatible materials: Bases 10.6 Hazardous decomposition products: Phosphorus oxides (e.g. P2OS) Hydrogen phosphide Metal oxide SECTION 11: Toxicological information 11.1 Information on toxicological effects Acute toxicity: Coral LDFG 15250 mg/kg (mouse) 11.5050 mg/kg (rouse) No effects known. LDFG 15250 mg/kg (mouse) Causes skin irritation. 12.505 values that are relevant for classification: Causes skin irritation. Coral LD50 15250 mg/kg (mouse) 11.5050 mg/kg (rouse) Causes skin irritation. Skin irritation or corrosion: Causes senous eye irritation. Seperific target organ system toxicity - repeated exposure: No effects known. No effects known. No effects known. Additional toxicological information No effects known. 12.1 Toxicity No effects known. Additional toxicological information To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. 52CTION 12: Ecological information No further relevant information available. 12.1 Toxicity No further relevant information available. 12.2 Persistence and degradab	Printing date 01.07.2013	Revision: 09.07.2009			
10.3 Possibility of hazardous reactions No dangerous reactions known 10.3 Hecandbase account of the transmission products: Proceedings of the transmission of transmission products: 10.3 Hecandbase account of the transmission of transmismission of transmismis of transmission of transmission of transmi	Trade name Calcium dihydrogen phosphate hydrate				
11.1 Information on toxicological effects No effects known. LDIC/CS0 values that are relevant for classification: Image: Comparison of the classification of corresion: Corral LDS (LS0 mg/kg (ran) Demail LDS (LS0 mg/kg (ran) Causes skin irritation. Sensitization or corresion: Causes serious eye irritation. Causes serious eye irritation or corresion: Causes serious eye irritation. Causes filt information entropy. No carsisting effect nown. Garcinogemicity: No carsisting effect nown. Perceductive toxicity: No defects known. Specific target organ system toxicity - inspective for positive toxicity. No effects known. Aspiration. No effects known. SECTION 12: Ecological information To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. SECTION 12: Ecological information To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. SECTION 12: Ecological information To the text of the relevant information available. 12: Toxicity No further relevant information available. 12: Toxicity No turther relevant information available. 12: Second and toxicity of PBT and VPVB assessment No turther relevant information available.	10.3 Possibility of hazardous reactions 10.5 Incompatible materials:	No dangerous reactions known Bases Phosphorus oxides (e.g. P2O5) Hydrogen phosphide			
LDIC20 values that are relevant for classification: Oral LDSI 5520 mg/kg (rat) Dermal LDSO 2 arnkg (rabbit) Skin intritation or corrosion: Causes skin inflation: Gern coll mutagenicity: No effects known. Gern coll mutagenicity: No effects known. Specific target organ system toxicity - roperate organ system toxicity - roperate organ system toxicity - mo classification. No effects known. Specific target organ system toxicity - mo classification. No effects known. Specific target organ system toxicity - mo classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSI way cause respiratory inflation. Additional toxicological information No effects known. Second torgan system toxicity - mo the best of our knowledge the acute and chronic toxicity of this substance is not fully known. SECTION 12: Ecological information No effects known. Second torgan system toxicity - mo the best of our knowledge the acute and chronic toxicity of this substance is not fully known. SECTION 12: Ecological information No effects known. Second torgan system toxicity - mo the best of our knowledge the acute and chronic toxicity of this substance is not fully known. SECTION 13: Disposal consideration: No further relevant information available. SECTION 13: Disposal consideration:	11.1 Information on toxicological effects				
Instance Instance Shin intritation or corresion: Germ cell mutagenicity: Germ cell mutagenicity: Germ cell mutagenicity: Mo descision data on carinogenic properties of this material is available from the EPA, IARC, NTP. OSI or classing segment of the construction of the consthe construction of the consthe construction of the con	LD/LC50 values that are relevant for classific				
Skin irritation or corrosion: Gauses services ever irritation. Gauses services ever irritation. No essizing effect from the EPA, IARC, NTP, OSI or ACGHL Causes services ever irritation. No essizing effect from the EPA, IARC, NTP, OSI or ACGHL Reproductive toxicity: reported exposure: wood classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSI or ACGHL No effects known. Specific target organ system toxicity - reported exposure: wood classification. No effects known. Specific target organ system toxicity - reported exposure: waract: data is available information. No further relevant information. SECTION 12: Ecological information 21: Toxicity Aguatic toxicity: 12: Persistence and degradability toxicity. No further relevant information available. No further relevant information available. 12: 5 Results of PBT and VPVB assessment PFT 12: 6 Results of PBT and VPVB assessment PFT 13: 1 Wast to relevant information in ovailable. No further relevant information available. No further relevant information BECTION 13: Disposal considerations 13: Wast to reacher the observe of the adverse of the constructions for proper disposal. Disposal must be made according to discil regulations. SECTION 14: Transport information 14: 3 Transport information 14: 3 Transport hazard class(es) ADR, MDG, IATA ADR, MDG, IATA ADR, MDG, IATA ADR, MDG, IATA ADR, MDG, IATA ADR, MDG, IATA	17500 mg/kg (rat)				
Reproductive toxicity: No effects known. Specific target organ system toxicity - single No effects known. Additional toxicological information May cause respiratory infraiton. SECTION 12: Ecological information To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. SECTION 12: Ecological information No effects known. 12.1 Toxicity No further relevant information available. Aguatic toxicolycical information No further relevant information available. Additional ecological information: General information available. General notes: No further relevant information available. VP VB: To tallow material to be released to the environment. VPVB: To allow material to be released to the environment. VPVB: Not applicable. 12.6 Other adverse effects No turber relevant information available. SECTION 13: Disposal considerations Hand over to disposate of hazardous relevant information. 13.1 Waste treatment methods Hand over to disposate of hazardous relevant. Recommendation: Disposal must be made according to dificial regulations. Corsult state, local or national regulations for proper disposal.	Skin irritation or corrosion: Eye irritation or corrosion: Sensitization: Germ cell mutagenicity:	Causes serious eye irritation. No sensitizing effect known. No effects known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA			
repeated exposure: performance of the second secon	Reproductive toxicity: Specific target organ system toxicity -	or ACGIH. No effects known.			
exposure: May cause respiratory irritation. No effects known. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. SECTION 12: Ecological information 12:1 Toxicity Aquatic toxicity 12:3 Brisshemilative potential 12:4 Mobility in soil diditional ecological information: No further relevant information available. No tapplicable. No tapplicable. No tapplicable. No tapplicable. No further relevant information available. SECTION 13: Disposal considerations 13:1 Waste treatment methods Recommendation: Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. Consult state, local or national regulations for proper disposal. SECTION 14: Transport information Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. Consult state, local or national regulations for proper disposal. SECTION 14: Transport information None 14:3 Un proper shipping name ADR, IMDG, IATA None 14:3 Environmental hazards: None <	repeated exposure:	No effects known.			
Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. SECTION 12: Ecological information Item to the best of our knowledge the acute and chronic toxicity of this substance is not fully known. SECTION 12: Ecological information No further relevant information available. No further relevant information available. No further relevant information available. View of the substance is not fully known. No further relevant information available. View of the substance is not fully in soil No further relevant information available. Additional toxicogical information: Do not allow undernation available. Mo turther relevant information available. No further relevant information available. View of the substance is not fully in soil No further relevant information available. Port: Do not allow unditude product or large quantities of it to reach ground water, water bodies or sewage system Avoid transfer into the environment. PDFT: Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. SECTION 13: Disposal considerations Disposal must be made according to official regulations. SECTION 14: Transport information Undernated algos of hazardous waste. Mubble, IATA <	exposure:	May cause respiratory irritation.			
12.1 Toxicity Aquatic toxicity: No further relevant information available. 12.2 Persistence and degradability 12.3 Bioaccumulative potential Additional ecological information: No further relevant information available. 12.4 Mobility in soil Additional ecological information: No further relevant information available. 12.4 Mobility in soil Additional ecological information: Do not allow material to be released to the environment without proper governmental permits. Water hazard class Self-assessment): slightly hazardous for water. Do not allow material to be released to the environment. 12.5 Results of PBT and vPvB assessment No turther relevant information available. 72.6 Conter adverse effects No turther relevant information available. SECTION 13: Disposal considerations No turther relevant information available. SECTION 13: Disposal considerations Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. Consult state, local or national regulations for proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. SECTION 14: Transport information None 14.2 UN proper shipping name ADR, IMDG, IATA None ADR, IMDG, IATA None 14.3 Environmental hazards: Not applicable. 14.4 Special precautions for user Not applicable.					
12.1 Toxicity Aquatic toxicity: No further relevant information available. 12.3 Bioaccumulative potential Additional ecological information: No further relevant information available. 12.4 Mobility in soil Additional ecological information: Do not allow material to be released to the environment without proper governmental permits. Water hazard class 1 (Self-assessment): slightly hazardous for water. Water hazard class 1 (Self-assessment): slightly hazardous for water. Not applicable. Not further relevant information available. SECTION 13: Disposal considerations 13:1 Waste treatment methods Recommendation Hand over to disposers of hazardous waste. Hand over to disposers of proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. Consult state, local or national regulations for proper disposal. UN-Number ADR, IMDG, IATA None 14:2 UN proper shipping name ADR, IMDG, IATA None 14:3 Secient processions for user Not applicable. 14:4 Environmental hazards: None 14:5 Environmental hazards: None 14:5 Environmental hazards: Not applicable. 14:5 Environmental hazar	SECTION 12: Ecological information				
Aquatic toxicity: No further relevant information available. 12:2 Persistence and degradability No further relevant information available. 12:4 Mobility in soil No further relevant information available. Additional ecological information: Contrast relevant information available. General notes: No further relevant information available. Do not allow material to be released to the environment without proper governmental permits. Water thazard class of PBT and vPVB assessment? PBT: No further relevant information available. 12:5 Results of PBT and vPVB assessment? PBT: No turther relevant information available. Vita applicable. No turther relevant information available. Vita pplicable. No turther relevant information available. SECTION 13: Disposal considerations Hand over to disposers of hazardous waste. Recommendation: Disposal must be made according to official regulations. Consult state, local or national regulations for proper disposal. Consult state, local or national regulations. SECTION 14: Transport information None 14.2 UN proper shipping name None ADR, IMDG, IATA None 14.3 Transport hazard class(es) None <td< td=""><td></td><td></td></td<>					
General notes: Do not allow material to be released to the environment without proper governmental permits. Water hazard Class 1 (Self-assessment): sightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage syster Avoid transfer into the environment. 12.5 Results of PBT and vPvB assessment PBT: vPvB; to not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage syster Avoid transfer into the environment. Not applicable. vPvB; t2.6 Other adverse effects Not applicable. Not applicable. SECTION 13: Disposal considerations t3.1 Waste treatment methods Recommendation Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. Consult state, local or national regulations for proper disposal. Uncleaned packagings: Recommendation Disposal must be made according to official regulations. Consult state, local or national regulations. Consult state, local or national regulations. Disposal must be made according to official regulations. SECTION 14: Transport information None UN-Number ADR, IMDG, IATA None 14:3 Transport hazard class(es) ADR, IMDG, IATA None ADR, IMDG, IATA None 14:5 Environmental hazards: None 14:5 Environmental hazards: Not applicable. 14:5 Special precautions for user Not appli	Aquatic toxícity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil	No further relevant information available. No further relevant information available.			
PBT: Not applicable. Not applicable. 12.6 Other adverse effects No further relevant information available. SECTION 13: Disposal considerations 13.1 Waste treatment methods Recommendation Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. Consult state, local or national regulations for proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. Consult state, local or national regulations. SECTION 14: Transport information Un-Number ADR, IMDG, IATA UN-Number ADR, IMDG, IATA None 14.2 UN proper shipping name ADR, IMDG, IATA None 14.3 Transport hazard class(es) ADR, IMDG, IATA None ADR, IMDG, IATA None 14.5 Environmental hazards: No tapplicable. 14.5 Environmental hazards: Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: Not applicable. SECTION 15: Regulatory information Not angerous according to the above specifications.	General notes:	Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.			
13.1 Waste treatment methods Recommendation Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. Consult state, local or national regulations for proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. SECTION 14: Transport information None UN-Number ADR, IMDG, IATA None 14.2 UN proper shipping name ADR, IMDG, IATA None 14.3 Transport hazard class(es) None ADR, IMDG, IATA None 14.3 Transport hazard class(es) None ADR, IMDG, IATA None 14.5 Torinon None 14.5 Environmental hazards: None 14.5 Environmental hazards: Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. 7.7 ransport in bulk according to Annex II of MARPOL73/78 and the IBC Not applicable. SECTION 15: Regulatory information Not dangerous according to the above specifications.	PBT: vPvB:	Not applicable.			
13.1 Waste treatment methods Recommendation Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. Consult state, local or national regulations for proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. SECTION 14: Transport information None UN-Number ADR, IMDG, IATA None 14.2 UN proper shipping name ADR, IMDG, IATA None 14.3 Transport hazard class(es) None ADR, IMDG, IATA None 14.3 Transport hazard class(es) None ADR, IMDG, IATA None 14.5 Environmental hazards: None 14.5 Environmental hazards: Not applicable. 14.5 Environmental hazards: Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: Not dangerous according to the above specifications.	SECTION 13: Disposal considerations				
Recommendation Hand over to disposers of hazardous waste. Musib especially treated under adherence to official regulations. Consult state, local or national regulations for proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. SECTION 14: Transport information None UN-Number ADR, IMDG, IATA None 14.2 UN proper shipping name ADR, IMDG, IATA None 14.3 Transport hazard class(es) None ADR, IMDG, IATA None 14.3 Transport hazard class(es) None ADR, IMDG, IATA None 14.5 Invironmental hazards: None 14.5 Environmental hazards: None 14.5 Environmental hazards: Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. 14.7 Transport /Additional information: Not dangerous according to the above specifications.	-				
Uncleaned packagings: Disposal must be made according to official regulations. SECTION 14: Transport information Second packagings: UN-Number ADR, IMDG, IATA ADR, IMDG, IATA None 14.2 UN proper shipping name None ADR, IMDG, IATA None 14.3 Transport hazard class(es) ADR, IMDG, IATA ADR, IMDG, IATA None Packing group ADR, IMDG, IATA ADR, IMDG, IATA None Packing group None 14.5 Environmental hazards: Not applicable. 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Code Not applicable. Transport/Additional information: Not dangerous according to the above specifications.		Must be specially treated under adherence to official regulations.			
UN-Number ADR, IMDG, IATA None 14.2 UN proper shipping name ADR, IMDG, IATA None 14.3 Transport hazard class(es) None ADR, IMDG, IATA None Packing group ADR, IMDG, IATA None Packing group ADR, IMDG, IATA None 14.5 Environmental hazards: None 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: Not dangerous according to the above specifications. SECTION 15: Regulatory information Section 15: Regulatory information					
ADR, IMDG, IATA None 14.2 UN proper shipping name None ADR, IMDG, IATA None 14.3 Transport hazard class(es) ADR, IMDG, IATA ADR, IMDG, IATA None Packing group None ADR, IMDG, IATA None Packing group None ADR, IMDG, IATA None Packing group None ADR, IMDG, IATA None 14.5 Environmental hazards: Not applicable. 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: Not dangerous according to the above specifications.	SECTION 14: Transport information				
14.2 UN proper shipping name ADR, IMDG, IATA None 14.3 Transport hazard class(es) ADR, IMDG, IATA None Packing group ADR, IMDG, IATA None Packing group ADR, IMDG, IATA None 14.5 Environmental hazards: Not applicable. 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: Not dangerous according to the above specifications.		None			
14.3 Transport hazard class(es) ADR, IMDG, IATA Class None Packing group ADR, IMDG, IATA None 14.5 Environmental hazards: Not applicable. 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: Not dangerous according to the above specifications.	, -,				
ADR, IMDG, IATA None Packing group ADR, IMDG, IATA None 14.5 Environmental hazards: Not applicable. 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: Not dangerous according to the above specifications.		None			
Class None Packing group ADR, IMDG, IATA None 14.5 Environmental hazards: Not applicable. 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: Not dangerous according to the above specifications.	•				
14.5 Environmental hazards: Not applicable. 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: Not dangerous according to the above specifications. SECTION 15: Regulatory information SECTION 15: Regulatory information	Class	None			
14.5 Environmental hazards: Not applicable. 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: Not dangerous according to the above specifications. SECTION 15: Regulatory information SECTION 15: Regulatory information	Packing group ADR, IMDG, IATA	None			
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: Not dangerous according to the above specifications. SECTION 15: Regulatory information Section 15: Regulatory information		Not applicable.			
Code Not applicable. Transport/Additional information: Not dangerous according to the above specifications. SECTION 15: Regulatory information Not dangerous according to the above specifications.	14.6 Special precautions for user	Not applicable.			
Transport/Additional information: Not dangerous according to the above specifications. SECTION 15: Regulatory information Section 15: Regulatory information		of MARPOL73/78 and the IBC			
SECTION 15: Regulatory information					
SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture					
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	SECTION 15: Regulatory information				
AUSUADAD DIVENTORY OF CHEMICAL	15.1 Safety, health and environmental regulat Australian Inventory of Chemical	tions/legislation specific for the substance or mixture			
Substances Substance is not listed. Standard for the Uniform Scheduling of	Substances	Substance is not listed.			
Drugs and Poisons Substance is not listed. National regulations	Drugs and Poisons National regulations				
Information about limitation of use: Employment restrictions concerning young persons must be observed. For use only by technically qualified individuals.	mormation about limitation of use:	For use only by technically qualified individuals.			
Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.	Water hazard class:	Water hazard class 1 (Self-assessment): slightly hazardous for water.			
Other regulations, limitations and prohibitive regulations ELINCS (European List of Notified Chemical	ELINCS (European List of Notified Chemical				
Substances) Substance is not listed. Substances of very high concern (SVHC)	Substances) Substances of very high concern (SVHC)	Substance is not listed.			
according to REACH, Article 57 Substance is not listed. REACH - Pre-registered substances Substance is not listed.	according to REACH, Article 57				
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.					

Page 4/4

Trade name Calcium dihydrogen phosphate hydrate

Department issuing data specification sheet: Health, Safety and Environmental Department. RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International International Concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International International Concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International International Concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International International Civil Aviation Organization* (IATA) ICAO: International Civil Aviation Organization ICAO) ICAO: International Civil Aviation Organization ICAO) ICAO: International Instructions by the "International Civil Aviation Organization* (ICAO) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Roai) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LCSO: Lethal concentration, 50 percent					
Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IATA-DGR: Dangerous Goods Régulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organization ICAO: International Civil Aviation Organization ICAO: International I Nethod Civil Aviation Organization ICAO: International Air Transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Rail) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LCSO: Lethal concentration, 50 percent					
ED30. Letital dose, 30 percent DE/E	Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods No Regulations by the "International Air Transport Association" (IATA) IATA-DGR: Dangerous Goods Régulations by the "International Civil Aviation Organization" (ICAO) IATA-DGR: Dangerous Goods by Rail) IATA-DGR: Dangerous Goods by Rail) IMDG: International Airtire Code for Dangerous Goods IATA: International Maritime Code for Dangerous Goods IATA: International Maritime Code for Dangerous Goods IATA: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent				