		according to 1907/2006/EC, Article 31				
Prir	nting date 01.07.2013		Revision: 18.01.2007			
	SECTION 1: Identification of the substance/mixture and of the company/undertaking					
	1.1 Product identifier					
	Trade name Stock number:	Alginic acid, sodium salt B25266, L04913				
	CAS Number: 1.2 Relevant identified uses of the substance	9005-38-3 or mixture and uses advised against.				
	Identified use:	SU24 Scientific research and development				
	1.3 Details of the supplier of the safety data s Manufacturer/Supplier:	heet Alfa Aesar GmbH & Co.KG				
		A Johnson Matthey Company Zoppolinstr. Zh				
		76185 Karlsruhe / Germany				
		Tel: +49 (0) 721 84007 280 Fax: +49 (0) 721 84007 300				
		www.alfa.com				
	Informing department: 1.4 Emergency telephone number:	Product safety Tel + +049 (0) 7275 988687-0 Carechem 24: +44 (o) 1235 239 670 (Multi-language emergency number)				
	U U U	Poison Information Center Mainz www.giftinfo.uni-mainz.de Telephone: +49(0)6131/19240				
	SECTION 2: Haranda idamática dia m					
	SECTION 2: Hazards identification 2.1 Classification of the substance or mixture					
	Classification according to Regulation (EC)		CI P regulation			
	No 1272/2008 Classification according to Directive 67/548/	The substance is not classified as hazardous to health or the environment according to the				
		Not applicable				
	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 Hazard pictograms	Not applicable Not applicable				
	Signal word Hazard statements	Not applicable Not applicable				
	2.3 Other hazards					
	Results of PBT and vPvB assessment PBT:	Not applicable.				
	vPvB:	Not applicable.				
	SECTION 3: Composition/information of	n ingredients				
	3.1 Substances CAS# Designation:	9005-38-3 Alginic acid, sodium salt				
	SECTION 4: First aid measures					
	4.1 Description of first aid measures	Supply fresh sin If required provide artificial required in Keen patient warm. Consult deate	r if a mantama			
	After inhalation	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult docto persist.	or il symptoms			
	After skin contact	Seek immediate medical advice. Instantly wash with water and soap and rinse thoroughly.				
	After eye contact	Seek immediate medical advice. Rinse opened eye for several minutes under running water. Then consult doctor.				
	After swallowing 4.2 Most important symptoms and effects,	Seek medical treatment.				
	both acute and delayed 4.3 Indication of any immediate medical attention and special treatment needed	No further relevant information available.				
		No further relevant information available.				
	5.1 Extinguishing media Suitable extinguishing agents	CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant	foam.			
	5.2 Special hazards arising from the substance or mixture	If this product is involved in a fire, the following can be released:				
		Carbon monoxide and carbon dioxide Sodium oxide				
	5.3 Advice for firefighters Protective equipment:	Wear self-contained breathing apparatus.				
		Wear full protective suit.				
	SECTION 6: Accidental release measure	25				
	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 perm	iits.			
	• -	Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil.				
	6.3 Methods and material for containment and cleaning up:	Collect mechanically.				
	Prevention of secondary hazards: 6.4 Reference to other sections	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					
	SECTION 7: Handling and storage 7.1 Precautions for safe handling	Keep containers tightly sealed				
	Information about protection against	Store in cool, dry place in tightly closed containers.				
	explosions and fires:	No information known.				
	7.2 Conditions for safe storage, including any Storage	y incompatibilities				
	Requirements to be met by storerooms and containers:	No special requirements.				
		· ·	(Contd. on page 2) DE/E			

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Trade name Alginic acid, sodium salt	
Information about storage in one common storage facility: Further information about storage conditions:	(Contd. of page 1) Store away from oxidizing agents. Keep container tightly sealed.
7.3 Specific end use(s)	Store in cool, dry conditions in well sealed containers. 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.
8.1 Control parameters Components with critical values that require monitoring at the workplace: 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. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations.
Protection of hands: Material of gloves	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. Impervious gloves
Penetration time of glove material Eye protection: Body protection:	Not determined Safety glasses Protective work clothing.
SECTION 9: Physical and chemical prop 9.1 Information on basic physical and chemic	
General Information Appearance:	
Form: Colour: Smell: Odour threshold:	Powder Yellow-brown Not determined Not determined.
	Not applicable.
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined Not determined Not determined
Flash point: Inflammability (solid, gaseous) Ignition temperature: Decomposition temperature: Self-inflammability:	Not applicable Not determined. Not determined Not determined Not determined.
Danger of explosion: Critical values for explosion:	Product is not explosive.
Lower: Upper:	Not determined Not determined
Steam pressure:	Not applicable. Not determined
Relative density Vapour density	Not determined. Not applicable.
Evaporation rate Solubility in / Miscibility with	Not applicable.
Water: Partition coefficient (n-octanol/water): Viscosity:	Not determined Not determined.
dynamic: kinematic: 9.2 Other information	Not applicable. Not applicable. No further relevant information available.
SECTION 10: Stability and reactivity 10.1 Reactivity 10.2 Chemical stability	No information known. Stable under recommended storage conditions.
Thermal decomposition / conditions to be avoided:	No decomposition if used and stored according to specifications. No dangerous reactions known
10.5 Incompatible materials:	Oxidizing agents Carbon monoxide and carbon dioxide Sodium oxide
SECTION 11: Toxicological information	
11.1 Information on toxicological effects Acute toxicity:	No effects known.
LD/LC50 values that are relevant for classification:	No data
	May cause irritation May cause irritation
Sensitization: Germ cell mutagenicity:	No sensitizing effect known. No effects known.
Carcinogenicity:	No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
Reproductive toxicity: Specific target organ system toxicity -	No effects known.
repeated exposure: Specific target organ system toxicity - single	No effects known.
exposure:	No effects known. (Contd. on page 3) DE/E

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de name Alginic acid, sodium salt	
A	No offecto known (Contd. of pag
Aspiration hazard: Additional toxicological information:	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: 12.2 Persistence and degradability	No further relevant information available. No further relevant information available.
12.3 Bioaccumulative potential 12.4 Mobility in soil	No further relevant information available. No further relevant information available.
Additional ecological information:	Do not allow material to be released to the environment without proper governmental permits.
General notes:	Water hazard class 1 (Self-assessment): slightly hazardous for water.
12.5 Results of PBT and vPvB assessment PBT:	Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system Avoid transfer into the environment.
	Not applicable.
vPvB: 12.6 Other adverse effects	Not applicable. 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.
SECTION 14: Transport information	
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 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 Code	I of MARPOL73/78 and the IBC Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
· · ·	
SECTION 15: Regulatory information	
Australian Inventory of Chemical	ations/legislation specific for the substance or mixture
Substances Standard for the Uniform Scheduling of	Substance is listed.
Drugs and Poisons National regulations	Substance is not listed.
Information about limitation of use:	For use only by technically qualified individuals.
Water hazard class: Other regulations, limitations and prohibitiv	Water hazard class 1 (Self-assessment): slightly hazardous for water.
ELINCS (European List of Notified Chemical Substances)	Substance is not listed.
Substances of very high concern (SVHC) according to REACH, Article 57	Substance is not listed.
REACH - Pre-registered substances	Substance is listed.
15.2 Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Department issuing data specification sheet: Health, Safety and Environmental Department. Abbreviations and acronyms: Abbreviation

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