rinting date 01.07.2013	Revision: 25.04.2
SECTION 1: Identification of the substa	nce/mixture and of the company/undertaking
1.1 Product identifier	
Trade name	4-Methoxystyrene
Stock number: CAS Number:	B22353, L07524 637-69-4
EC number:	211-298-9
1.2 Relevant identified uses of the substance Identified use:	e or mixture and uses advised against. SU24 Scientific research and development
1.3 Details of the supplier of the safety data s	sheet
Manufacturer/Supplier:	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
	Email: tech@alfa.com
Informing department:	www.alta.com
1.4 Emergency telephone number:	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. It such identification	
SECTION 2: Hazards identification	
2.1 Classification of the substance or mixture Classification according to Regulation (EC)	3
No 1272/2008	The substance is not classified as hazardous to health or the environment according to the CLP regulation.
Classification according to Directive 67/548/	
EEC or Directive 1999/45/EC Information concerning particular hazards	Not applicable
Information concerning particular hazards for human and environment:	Not applicable
Other hazards that do not result in classification	No information known.
2.2 Label elements	
Labelling according to Regulation (EC) No	··· ···
1272/2008 Hazard pictograms	Not applicable Not applicable
Signal word	Not applicable
Hazard statements 2.3 Other hazards	Not applicable
Results of PBT and vPvB assessment	··· ···
PBT: vPvB:	Not applicable. Not applicable.
	···
SECTION 3: Composition/information of	n ingredients
3.1 Substances CAS# Designation:	637-69-4 4-Methoxystyrene
Identification number(s):	
EC number:	211-298-9
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 doctor if symptoms persist.
	Seek immediate medical advice.
After skin contact	Instantly wash with water and soap and rinse thoroughly. Seek immediate medical advice.
After eye contact	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	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-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
5.3 Advice for firefighters	
Protective equipment:	Wear self-contained breathing apparatus. Wear full protective suit.
SECTION 6: Accidental release measure	35
6.1 Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away.
equipment and emergency procedures	Ensure adequate ventilation
6.1 Personal precautions, protective equipment and emergency procedures 6.2 Environmental precautions:	Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies.
equipment and emergency procedures 6.2 Environmental precautions:	Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits.
equipment and emergency procedures 6.2 Environmental precautions: 6.3 Methods and material for containment and cleaning up:	Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
equipment and emergency procedures 6.2 Environmental precautions: 6.3 Methods and material for containment and cleaning up:	Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Keep away from ignition sources.
equipment and emergency procedures 6.2 Environmental precautions: 6.3 Methods and material for containment	Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Keep away from ignition sources. See Section 7 for information on safe handling See section 8 for information on personal protection equipment.
equipment and emergency procedures 6.2 Environmental precautions: 6.3 Methods and material for containment and cleaning up:	Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Keep away from ignition sources. See Section 7 for information on safe handling
equipment and emergency procedures 6.2 Environmental precautions: 6.3 Methods and material for containment and cleaning up:	Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Keep away from ignition sources. See Section 7 for information on safe handling See section 8 for information on personal protection equipment.
equipment and emergency procedures 6.2 Environmental precautions: 6.3 Methods and material for containment and cleaning up: Prevention of secondary hazards: 6.4 Reference to other sections	Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Keep away from ignition sources. See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.
equipment and emergency procedures 6.2 Environmental precautions: 6.3 Methods and material for containment and cleaning up: Prevention of secondary hazards: 6.4 Reference to other sections SECTION 7: Handling and storage 7.1 Precautions for safe handling	Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Keep away from ignition sources. See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.
equipment and emergency procedures 6.2 Environmental precautions: 6.3 Methods and material for containment and cleaning up: Prevention of secondary hazards: 6.4 Reference to other sections SECTION 7: Handling and storage	Ensure adequate verifilation Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Keep away from ignition sources. See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.

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	Nevision: 20.04.2000
Trade name 4-Methoxystyrene	
	(Contd. of page 1)
7.2 Conditions for safe storage, including an Storage	y incompatibilities
Requirements to be met by storerooms and	No encoial requiremente
containers: Information about storage in one common	No special requirements.
storage facility: Further information about storage	Store away from oxidizing agents.
conditions:	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/persona	al 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:	Not required.
monitoring at the workplace: Additional information:	No data
8.2 Exposure controls Personal protective equipment	
Personal protective equipment General protective and hygienic measures	The usual precautionary measures should be adhered to in handling the chemicals.
	Instantly remove any soiled and impregnated garments.
	Maintain an ergonomically appropriate working environment.
Breathing equipment:	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. Use breathing protection in case of insufficient ventilation. 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.
Protection of hands:	Check protective gloves prior to each use for their proper condition.
Meterial of eleves	and varies from manufacturer to manufacturer.
Penetration time of glove material	Not determined
Eye protection: Body protection:	Safety glasses Protective work clothing.
SECTION 9: Physical and chemical prop	
9.1 Information on basic physical and chemic General Information	cai properties
Appearance: Form:	Liquid
Colour: Smell:	Colourless Not determined
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition Melting point/Melting range:	Not determined
Boiling point/Boiling range: Sublimation temperature / start:	41-42 °C (0.5 mmHg)
Flash point:	Not determined 72 °C
Inflammability (solid, gaseous)	Not determined.
Ignition temperature: Decomposition temperature:	Not determined Not determined
Self-inflammability: Danger of explosion:	Not determined.
Critical values for explosion:	Product is not explosive.
Lower: Upper:	Not determined Not determined
Steam pressure: Density at 20 °C	Not determined 1,002 g/cm ³
Relative density	Not determined.
Vapour density Evaporation rate	Not determined. Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix
Partition coefficient (n-octanol/water): Viscosity:	Not determined.
dynamic:	Not determined.
kinematic: 9.2 Other information	Not determined. No further relevant information available.
SECTION 10: Stability and reactivity	No information known
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.
10.3 Possibility of hazardous reactions 10.5 Incompatible materials:	No dangerous reactions known
10.5 Incompatible materials: 10.6 Hazardous decomposition products:	Oxidizing agents Carbon monoxide and carbon dioxide
SECTION 11: Toxicological information	
11.1 Information on toxicological effects	
Acute toxicity: LD/LC50 values that are relevant for	No effects known.
classification:	No data
Skin irritation or corrosion: Eye irritation or corrosion:	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. (Contd. on page 3) DE/E
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		(Contd. of page
Specific target organ system toxicity - repeated exposure:	No effects known.	(Conto, or page
	No effects known.	
Specific target organ system toxicity - single exposure:	No effects known.	
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 knowr).
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	No further relevant information available. No further relevant information available.	
12.4 Mobility in soil Additional ecological information:		
General notes:	Do not allow material to be released to the environment without proper governmental permits. Generally not hazardous for water. Avoid transfer into the environment.	
12.5 Results of PBT and vPvB assessment PBT:	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 bazardous waste	
	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	New	
ADR, IMDG, IATA 14.2 UN proper shipping name	None	
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	of MARPOL73/78 and the IBC Not applicable.	
Transport/Additional information:	Not dangerous according to the above specifications.	
SECTION 15: Regulatory information		
15.1 Safety, health and environmental regula	tions/legislation specific for the substance or mixture	
Australian Inventory of Chemical Substances	Substance is not listed.	
Standard for the Uniform Scheduling of Drugs and Poisons	Substance is not listed.	
National regulations Information about limitation of use:	For use only by technically qualified individuals.	
Water hazard class:	Generally not hazardous for water.	
Other regulations, limitations and prohibitive ELINCS (European List of Notified Chemical		
Substances)	Substance is not listed.	
Substances) Substances of very high concern (SVHC) according to REACH, Article 57	Substance is not listed.	
REACH - Pre-registered substances 15.2 Chemical safety assessment:	Substance is listed. A Chemical Safety Assessment has not been carried out.	

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product 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

DE/E