

R	evision: 24.04.2013
SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifier	
Trade name Polydimethylsiloxane, hydroxy terminated, M.W. 4200	
Stock number: 43769 CAS Number: 70131-67-8 1.2 Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development	
1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: Thermo Fisher (Kandel) GmbH Zeppelinstr. 7b 76185 Karlsruhe / Germany Tel: +49 (0) 721 84007 280 Fax: +49 (0) 721 84007 300 Email: tech@alfa.com www.alfa.com Informing department: Product safety Tel + +049 (0) 7275 988687-0 1.4 Emergency telephone number: Carechem 24: +44 (0) 1235 239 670 (Multi-language emergency number) Poison Information Center Mainz	
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 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 Not applicable Information concerning particular hazards for human and environment: No information known. Other hazards that do not result in classification No information known.	
2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Not applicable Hazard pictograms Not applicable Signal word Not applicable Hazard statements Not applicable 2.3 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.	
SECTION 3: Composition/information on ingredients 3.1 Substances CAS# Designation: 70131-67-8 Polydimethylsiloxane, hydroxy terminated	
 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 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-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 Silicon 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. Ensure adequate ventilation 6.2 Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal b Prevention of secondary hazards: No special measures required. 6.4 Reference to other sections See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal. 	inders, sawdust).
SECTION 7: Handling and storage 7.1 Precautions for safe handling Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Information about protection against explosions and fires: No information known.	(Contd. on page 2)
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rade name Polydimethylsiloxane, hydroxy terminated, M.W. 4200					
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7.2 Conditions for safe storage, incluc Storage					
Requirements to be met by storerooms and containers: No special requirements. Information about storage in one common storage facility: Store away from oxidising agents. 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 protection				
Additional information about design o	of technical systems:				
Properly operating chemical fume hood of	roperly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.				
Components with critical values that in The product does not contain any releva Additional information: No data					
8.2 Exposure controls Personal protective equipment					
General protective and hygienic meas The usual precautionary measures shou	General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals.				
Keep away from foodstuffs, beverages a Instantly remove any soiled and impregn	nd food. Nated garments.				
Wash hands during breaks and at the en Maintain an ergonomically appropriate w	nd of the work. vorking environment.				
Breathing equipment: Use breathing pr Protection of hands:	otection with high concentrations.				
Check protective gloves prior to each us The selection of the suitable gloves does	s not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.				
Material of gloves Impervious gloves Penetration time of glove material (in	minutes) Not determined				
Eye protection: Safety glasses Body protection: Protective work clothin					
SECTION 9: Physical and chemic					
9.1 Information on basic physical and					
General Information Appearance:					
Form: Colour:	Viscous liquid Colourless				
Smell: Odour threshold:	Not determined Not determined.				
pH-value:	Not determined.				
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined Not determined Not determined				
Flash point:	> 110 °C Not determined.				
Inflammability (solid, gaseous) Ignition temperature:	Not determined				
Decomposition temperature: Self-inflammability:	Not determined Not determined.				
Danger of explosion: Critical values for explosion:	Not determined.				
Lower:	Not determined				
Upper: Steam pressure:	Not determined Not determined				
Density at 20 °C Relative density	0,97 g/cm ³ Not determined.				
Vapour density Evaporation rate	Not determined. Not determined.				
Solubility in / Miscibility with Water: Partition coefficient (n-octanol/water): Viscosity:	Not miscible or difficult to mix				
dynamic: kinematic:	Not determined. Not determined.				
9.2 Other information	No further relevant information available.				
SECTION 10: Stability and reactiv	itv				
 10.1 Reactivity No information known. 10.2 Chemical stability 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 Reacts with strong oxidising agents 10.4 Conditions to avoid No further relevant information available. 10.5 Incompatible materials: Oxidising agents 10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide 					
SECTION 11: Toxicological inform	nation				
11.1 Information on toxicological effects Acute toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for this substance. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: May cause irritation Eye irritation or corrosion: May cause irritation					

Skin irritation or corrosion: May cause irritation Eye irritation or corrosion: May cause irritation Sensitization: No sensitizing effect known. Germ cell mutagenicity: 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: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: No effects known. Aspiration hazard: No effects known.

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Subacute to chronic toxicity: No effects known. Additional toxicological information: To the best of our knowledge the acute	(Contd. of page 2) e and chronic toxicity of this substance is not fully known.			
SECTION 12: Ecological information				
 12.1 Toxicity Aquatic toxicity: No further relevant information available. 12.2 Persistence and degradability No further relevant information available. 12.3 Bioaccumulative potential No further relevant information available. 12.4 Mobility in soil No further relevant information available. Additional ecological information: General notes: 				
Do not allow material to be released to the environment without proper governi Generally not hazardous for water. Avoid transfer into the environment. 12.5 Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. 12.6 Other adverse effects No further relevant information available.	mental permits.			
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, ADN, IMDG, IATA	Not applicable			
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Not applicable			
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Not applicable			
Packing group ADR, IMDG, IATA	Not applicable			
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	C Not applicable.			
UN "Model Regulation":	-			
SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Australian Inventory of Chemical Substances Substance is 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 regulations ELINCS (European List of Notified Chemical Substances) Substance is not listed. Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, pla the market and use must be observed. Substance is not listed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.				
SECTION 16: Other information Employers should use this information only as a supplement to other information this information to ensure proper use and protect the health and safety of employers not in conformance with this Material Safety Data Sheet, or in combination with Department issuing SDS: Global Marketing Department Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement GHS: Globally Harmonized System of Classification and Labelling of Chemicals CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent US0: Lethal dose, 50 percent US0: Lethal dose, 50 percent WVB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)				