Revision:	19.05.201
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See section 8 for information on personal profection equipment.	Reference to other sections	Ensure adequate ventilation.	
GB-1		See section 8 for information on personal protection equipment.	(Contd. on page 2)
			GB - GB

Revision: 19.05.2011

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

Trade name 4-Chloro-2,6-difluorobenzylamine (Contd. of page 1) See Section 13 for information on disposal. 7 Handling and storage Handling Precautions for safe handling Handle under dry protective gas. Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and containers: Information about storage in one common No special requirements. Store away from air. Store away from oxidizing agents. Do not store together with acids. storage facility: Further information about storage conditions: Store under dry inert gas. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Store in a locked cabinet or with access restricted to technical experts or their assistants. This product is air sensitive. 8 Exposure controls/personal protection Additional information about design of Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. technical systems: **Control parameters** Components with critical values that require monitoring at the workplace: Additional information: Not required. No data **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. Avoid contact with the eyes and skin. 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. Impervious gloves Breathing equipment: Protection of hands: Material of gloves Impervious gloves Not determined Penetration time of glove material Safety glasses Tightly sealed safety glasses. Eye protection: Face protection Full face protection Protective work clothing. **Body protection:** 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Colour: Liquid Yellow Not determined Smell: Odour threshold: 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: Not determined Inflammability (solid, gaseous) Not applicable. Ignition temperature: Not determined Decomposition temperature: Not determined Self-inflammability: Not determined. Product is not explosive. Danger of explosion: Critical values for explosion: Not determined _ower: Upper: Not determined Not determined Steam pressure: Densitv Not determined Relative density Not determined. Vapour density Evaporation rate Not determined. Not determined. Segregation coefficient (n-octanol/water): Not determined. Viscosity: dynamic: kinematic: Not determined. Not determined. Other information No further relevant information available GB

Revision: 19.05.2011

Trade name 4-Chioro-2,6-difiuorobenzyi	(Contd. of page 2)	
10 Stability and reactivity	(
Reactivity Chemical stability Thermal decomposition / conditions to be avoided: Possibility of hazardous reactions Incompatible materials:	No decomposition if used and stored according to specifications. No dangerous reactions known Air Oxidizing agents	
Hazardous decomposition products:	Acids Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Hydrogen fluoride Hydrogen chloride (HCI)	
11 Toxicological information Information on toxicological effects Acute toxicity: Primary irritant effect: on the skin: on the eye: Sensitization: Additional toxicological information:	Corrosive effect on skin and mucous membranes. Strong corrosive effect. No sensitizing effect known. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
12 Ecological information		
Toxicity Acquatic toxicity: Persistence and degradability Behaviour in environmental systems: Bioaccumulative potential Mobility in soil Additional ecological information: General notes:	No further relevant information available. No further relevant information available. No further relevant information available. 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	
Results of PBT and vPvB assessment PBT: vPvB: Other adverse effects	Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Do not allow material to be released to the environment without proper governmental permits. Not applicable. Not applicable. No further relevant information available.	
13 Disposal considerations Waste treatment methods Recommendation Uncleaned packagings:	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.	
Recommendation:	Disposal must be made according to official regulations.	
14 Transport information Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)		
ADR/RID-GGVS/E Class: Kemler Number: UN-Number: Packaging group: Label UN proper shipping name: Limited quantities (LQ) Transport category Tunnel restriction code	8 (C7) Corrosive substances. 80 2735 III 8 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (4-Chloro-2,6-difluorobenzylamine) LQ7 3 E	
Maritime transport IMDG/GGVSea:		
IMDG/GGVSea Class: UN Number: Label Packaging group: Marine pollutant: Segregation groups Correct technical name:	8 2735 8 III No Alkalis AMINES, LIQUID, CORROSIVE, N.O.S. (4-Chloro-2,6-difluorobenzylamine)	
Air transport ICAO-TI and IATA-DGR:		
ICAO/IATA Class: UN/ID Number: Label Packaging group: Correct technical name:	8 2735 8 III AMINES, LIQUID, CORROSIVE, N.O.S. (4-Chloro-2,6-difluorobenzylamine)	
UN "Model Regulation": Special precautions for user	UN2735, AMINES, LIQUID, CORROSIVE, N.O.S., 8, III Warning: Corrosive substances. (Contd. on page 4) GB	

	according to 1907/2000/EC, Article 51	
Printing date 20.05.2011 Revision: 19.05.2011 Trade name 4-Chloro-2,6-difluorobenzylamine		
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.	
15 Regulatory information		
Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling according to Regulation (EC) No		
1272/2008	The substance is classified and labelled according to the CLP regulation.	
Hazard pictograms		
	GHS05	
Signal word	Danger	
Hazard statements Precautionary statements	H314 Causes severe skin burns and eye damage. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin	
-	with water/shower.	
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.	
	P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P405 Store locked up.	
	P501 Dispose of contents/container in accordance with local/regional/national/international	
National regulations	regulations.	
Information about limitation of use:	For use only by technically gualified individuals	
mormation about miniation of use.	For use only by technically qualified individuals. Employment restrictions concerning young persons must be observed.	
Water hazard class: Chemical safety assessment:	Water hazard class 1 (Self-assessment): slightly hazardous for water. A Chemical Safety Assessment has not been carried out.	
•		
16 Other information Employers should use this information only as a	a supplement to other information gathered by them, and should make independent judgement of suitability of	
this information to ensure proper use and prote	a supplement to other information gathered by them, and should make independent judgement of suitability of ect the health and safety of employees. This information is furnished without warranty, and any use of the product ata Sheet, or in combination with any other product or process, is the responsibility of the user.	
Department issuing data specification sheet	t: Health, Safety and Environmental Department.	
Contact:		
Abbreviations and acronyms:	ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)	
	Zachariah C. Holt Global EHS Manager ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) RID: Réglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IMDC: International Maritime Code for Dangerous Goods IATA: International Air Transport Association IATA-DR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organization ICAO: International Instructions by the "International Civil Aviation Organization" (ICAO) GHS: Globally Harmonized System of Classification and Labelling of Chemicals CAS: Chemical Abstracts Service (division of the American Chemical Society) GB	
	IMDG: International Mantime Code for Uangerous Goods IATA: International Air Transport Association IATA-DGR: Danagrous Goode Regulations by the "International Air Transport Association" (IATA)	
	ICAO: International Civil Aviation Organization ICAO: International Civil Aviation Organization ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)	
	GHS: Globally Harmonized System of Classification and Labelling of Chemicals CAS: Chemical Abstracts Service (division of the American Chemical Society)	
	GB	