Safety Data Sheet according to 1907/2006/EC, Article 31		
Printing date 09.08.2010	Revision: 09.08.2010	
1 Identification of substance		
Product details		
Trade name	1,4-Benzodioxane-2-thiocarboxamide	
Stock number:	H26571	
Manufacturer/Supplier:	Alfa Aesar GmbH & Co.KG Benzstrasse 3 E-mail: gcat@matthev.com	
	D-76185 Karlsruhe / Germany www.alfa-chemcat.com	
Informing department: Emergency information:	Product safety department. Giftnotruf Universität Mainz / Poison Information Center Mainz	
	Giftnotruf Universität Mainz / Poison Information Center Mainz www.giftinfo.uni-mainz.de Telefon:+49(0)6131/19240	
2 Hazards identification		
Hazard designation:		
	Xn Harmful	
Information pertaining to particular dangers for man and environment	R 22 Harmful if swallowed.	
GHS label elements	R 36/37/38 Irritating to eyes, respiratory system and skin.	
	Varning Varning	
	H302 - Harmful if swallowed.	
	H315 - Causes skin irritation. H319 - Causes serious eye irritation.	
Prevention:	H335 - May cause respiratory irritation	
Response:	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if	
	present and easy to do. Continue rinsing.	
Storage:	P321 Specific treatment (see on this label). P405 Store locked up.	
Disposal:	P501 Dispose of contents/container in accordance with local/regional/national/international regulations.	
3 Composition/information on ingredient	S	
Chemical characterization: Designation: (CAS#)	1,4-Benzodioxane-2-thiocarboxamide	
	(CAS# 147031-85-4): 100%	
4 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 After swallowing	Rinse opened eye for several minutes under running water. Then consult doctor. Seek immediate medical advice.	
5 Fire fighting measures Suitable extinguishing agents	CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.	
Special hazards caused by the material, its		
products of combustion or flue gases:	Can be released in case of fire: Carbon monoxide and carbon dioxide	
	Nitrogen oxides (NOx) Sulphur oxides (SOx)	
Protective equipment:	Wear self-contained breathing apparatus. Wear full protective suit.	
6 Accidental release measures	· · · · · · · · · · · · · · · · · · ·	
Person-related safety precautions:	Wear protective equipment. Keep unprotected persons away.	
Measures for environmental protection:	Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits.	
Measures for cleaning/collecting:	Dispose of contaminated material as waste according to item 13.	
Additional information:	Ensure adequate ventilation. See Section 7 for information on safe handling See section 8 for information on personal protection equipment.	
	See section 8 for information on personal protection equipment. See Section 13 for information on disposal.	
7 Handling and storage		
Handling		
Information 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 protoction against	Ensure good ventilation/exhaustion at the workplace.	
Information about protection against explosions and fires:	Keep ignition sources away - Do not smoke.	
Storage		
Requirements to be met by storerooms and containers:	No special requirements.	
Information about storage in one common storage facility:	Store away from oxidizing agents.	
Further information about storage conditions:	Keep container tightly sealed.	
conditions.	Store in cool, dry conditions in well sealed containers.	
8 Exposure controls and personal protec	tion	
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.	
Components with critical values that require	Netroquired	
monitoring at the workplace: Additional information:	Not required. No data	
Personal protective equipment	The usual processionery measures should be adhered to in handling the short-indu	
General protective and hygienic measures	The usual precautionary measures should be adhered to in handling the chemicals. (Contd. on page 2)	
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boxamide
(Contd. of page 1) 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 Not determined Safety glasses Face protection
Protective work clothing.
Crystalline powder White Light brown
Not determined
172-176°C Not determined Not applicable
Not determined Not determined
Product is not explosive.
Not determined Not determined
Not determined
Not determined
Insoluble
No decomposition if used and stored according to specifications. Oxidizing agents No dangerous reactions known Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Sulphur oxides (SOx)
Irritant for skin and mucous membranes. Irritant effect. No sensitizing effect known. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
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. Do not allow material to be released to the environment without proper governmental permits.
Consult state, local or national regulations for proper disposal. Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations.
Disposal must be made according to official regulations.
cross-border/domestic) None
None No
None
Not dangerous according to the above specifications.

GB -(Contd. on page 3)

Trade name 1,4-Benzodioxane-2-thiocarboxamide

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	(Contd. of page 2
15 Regulatory information	
Designation according to EC guidelines:	
Code letter and hazard designation of product:	Xn Harmful
Risk phrases:	22 Harmful if swallowed. 36/37/38 Irritating to eyes, respiratory system and skin.
Safety phrases:	26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 36/37 Wear suitable protective clothing and gloves.
National regulations	
Information about limitation of use:	For use only by technically qualified individuals. Employment restrictions concerning young persons must be observed.
Water hazard class:	Water hazard class 1 (Self-assessment): slightly hazardous for water.
	as a supplement to other information gathered by them, and should make independent judgement of suitability of otect the health and safety of employees. This information is furnished without warranty, and any use of the product Data Sheet, or in combination with any other product or process, is the responsibility of the user.
Department issuing data specification she Contact: Abbreviations and acronyms:	 Health, Safety and Environmental Department. Zachariah Holt 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) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association IATA: International Carriage by the "International Air Transport Association" (IATA) ICAO: International Carriage by the "International Carriage" (ICAO)

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)

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