	according to 1907/2006/EC, Article 31	
Printing date 14.07.2010		Revision: 14.07.2010
1 Identification of substance		
Product details	2 Oblavathian hana	
Trade name	2-Chlorothiophene	
Stock number:	A10390, L02136 Alfa Aesar GmbH & Co.KG	
Manufacturer/Supplier:	Benzstrasse 3 D-76185 Karlsruhe / Germany	E-mail: gcat@matthey.com www.alfa-chemcat.com
Informing department: Emergency information:	Product safety department. Giftnotruf Universität Mainz / Poison Information Center Mainz www.giftinfo.uni-mainz.de Telefon:+49(0)6131/19240	
2 Hazards identification		
Hazard designation:	T Toxic	
Information pertaining to particular dangers for man and environment	R 10 Flammable.	
	R 10 Flammable. R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.	
GHS label elements	Danger	
	H225 - Highly flammable liquid and vapour. Danger	
	H301 - Toxic if swallowed. H311 - Toxic in contact with skin.	
Response:	H330 - Fatal if inhaled. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or door P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contamin	ctor/physician. bated clothing. Rinse skin with
	P300 Specific treatment is urgent (see on this label). P361 Remove/Take off immediately all contaminated clothing.	aco oounny. Rinoc Shin Will
Storage: Disposal:	P361 Remove/Take on immediately all contaminated clothing. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/intern	national regulations.
3 Composition/information on ingredients	3	
Chemical characterization:		
Designation: (CAS#) Identification number(s): EINECS Number:	2-Chlorothiophene (CAS# 96-43-5): 100% 202-505-3	
4 First aid measures		
After inhalation	Supply fresh air. If required, provide artificial respiration. Keep patient warm, Consu	It doctor if symptoms persist.
After skin contact	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consu Seek immediate medical advice. 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	In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never us	se water.
For safety reasons unsuitable extinguishing agents	Water.	
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 Sulphur oxides (SOx)	
Protective equipment:	Hydrogen chloride (HCI) Wear self-contained breathing apparatus.	
	Wear full protective suit.	
6 Accidental release measures		
Person-related safety precautions:	Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation	
Measures for environmental protection:	Keep away from ignition sources Do not allow material to be released to the environment without proper governmenta	l permite
Measures for environmental protection: Measures for cleaning/collecting:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders	
-	Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents	
Additional information:	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.	
7 Handling and storage		
Handling	Keen containers tightly scaled	
Information for safe handling:	Keep containers tightly sealed. Store in cool, dry place in tightly closed containers.	
Information about protection against	Ensure good ventilation/exhaustion at the workplace.	
explosions and fires:	Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Fumes can combine with air to form an explosive mixture.	
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.	
	Store in cool, dry conditions in well sealed containers.	GB

(Contd. on page 2)

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Trade name 2-Chlorothiophene

tion
Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at
least 100 feet per minute.
Not required. No data
The second second to be advanted to be a
The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food.
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.
Avoid contact with the eyes and skin.
Use breathing protection with high concentrations. Safety glasses
Face protection Protective work clothing.
Liquid
Colourless Unpleasant
-72°C 128-129°C
Not determined
22°C Not determined
Not determined
Not determined Not determined
10.662 hPa
1.285 g/cm ³
Not miscible or difficult to mix
0.8 mPas
No decomposition if used and stored according to specifications. Oxidizing agents No dangerous reactions known Carbon monoxide and carbon dioxide Sulphur oxides (SOx) Hydrogen chloride (HCI)
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	(Contd. of page 2)	
UN-Number: Packaging group: Label Designation of goods: Limited quantities (LQ)	1992 III 3+6.1 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (2-Chlorothiophene)	
Transport category Tunnel restriction code	LQ7 3 D/E	
Maritime transport IMDG/GGVSea:		
IMDG/GGVSea Class: UN Number: Label Packaging group: Marine pollutant:	3 1992 3+6.1 III No	
Correct technical name:	FLAMMABLE LIQUID, TOXIC, N.O.S. (2-Chlorothiophene)	
Air transport ICAO-TI and IATA-DGR:		
ICAO/IATA Class: UN/ID Number: Label	3 1992 3+6.1	
Packaging group: Correct technical name:	III FLAMMABLE LIQUID, TOXIC, N.O.S. (2-Chlorothiophene)	
UN "Model Regulation":	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), III	
15 Regulatory information		
Designation according to EC guidelines:		
Code letter and hazard designation of product:	T Toxic	
Risk phrases:	10 Flammable. 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.	
Safety phrases:	 After contact with skin, wash immediately with plenty of soap and water. 36/37 Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). 	
National regulations		
Information about limitation of use:	Employment restrictions concerning young persons must be observed. For use only by technically qualified individuals.	
Water hazard class:	Water hazard class 1 (Self-assessment): slightly hazardous for water.	
16 Other information: Employers should use this information only as a s information to ensure proper use and protect the l conformance with this Material Safety Data Sheet	upplement to other information gathered by them, and should make independent judgement of suitability of this nealth and safety of employees. This information is furnished without warranty, and any use of the product not in , or in combination with any other product or process, is the responsibility of the user.	
Department issuing data specification sheet: 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: Reglement 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 Maritime Code for Dangerous Goods IATA: International Air Transport Association IATA-DCR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Air Transport Association ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent	