	according to 1907/2006/EC, Article 31	
Printing date 12.08.2010	Revision: 12	2.08.2010
1 Identification of substance		
Product details	E Elucronyriding 2 corboyylig gold	
Trade name Stock number:	5-Fluoropyridine-2-carboxylic acid H32086	
Manufacturer/Supplier:	Alfa Aesar GmbH & Co.KG	
	Benzstrasse 3 E-mail: gcat@mat D-76185 Karlsruhe / Germany www.alfa-chei	atthey.com
Informing department:	Product safety department.	Income
Emergency information:	Giftnotruf Universität Mainz / Poison Information Center Mainz www.giftinfo.uni-mainz.de Telefon:+49(0)6131/19240	
2 Hazards identification		
Hazard designation:	Xi Irritant	
to formation and the section of a postion law dependence		
Information pertaining to particular dangers for man and environment	R 36/37/38 Irritating to eyes, respiratory system and skin.	
GHS label elements	Warning	
	H315 - Causes skin irritation.	
	11240 Courses serieus ave irritation	
Prevention:	P335 - May cause respiratory initiation. P261 Avoid breathing dust/fume/gas/mist/vapours/spray.	
Response:	H319 - Causes serious eye initiation. H335 - May cause respiratory irritation. 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 and easy to do. Continue rinsing. P321 Specific treatment (see on this label).	i present
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Storage: Disposal:	P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.	
3 Composition/information on ingredients		
Chemical characterization:	5	
Designation: (CAS#)	5-Fluoropyridine-2-carboxylic acid (CAS# 107504-08-5)	
4 First aid measures		
After inhalation	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms pe Seek immediate medical advice.	ersist.
After skin contact	Instantly wash with water and soap and rinse thoroughly.	
After eye contact	Seek immediate medical advice. Rinse opened eye for several minutes under running water. Then consult doctor.	
After swallowing	Seek immediaté medical advice.	
5 Fire fighting measures		
Suitable extinguishing agents Special hazards caused by the material, its	CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.	
products of combustion or flue gases:	Can be released in case of fire: Carbon monoxide and carbon dioxide	
	Hydrogen fluoride (HF) Nitrogen oxides (NOx)	
Protostivo aquinmont:	Hydrögen cyanide (HCN)	
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: Additional information:	Ensure adequate ventilation. 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	······································	
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.	
Storage Requirements to be met by storerooms and containers:	No special requirements.	
Information about storage in one common		
storage facility: Further information about storage	Store away from oxidizing agents.	
conditions:	Keep container tightly sealed. Store in cool, dry conditions in well sealed containers.	
8 Exposure controls and personal protect	etion	
Additional information about design of		
technical systems:	Properly operating chemical fume hood designed for hazardous chemicals and having an average face velo least 100 feet per minute.	ocity of at
Components with critical values that require	e	
monitoring at the workplace:	Not required. (Contd.	. on page 2)
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rade name 5-Fluoropyridine-2-carboxylic acid		
Additional information: Personal protective equipment	No data (Contd. of page 1)	
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.	
Breathing equipment: Protection of hands: Material of gloves	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	
Penetration time of glove material Eye protection:	Not determined Safety glasses Face protection	
Body protection:	Protective work clothing.	
9 Physical and chemical properties: General Information		
Form:	Powder	
Colour: Smell:	White Cream coloured Not determined	
Change in condition Melting point/Melting range: Boiling point/Boiling range:	164-166°C Not determined	
Sublimation temperature7 start: Flash point:	Not determined Not applicable	
Ignition temperature:	Not determined	
Decomposition temperature:	Not determined	
Danger of explosion: Critical values for explosion:	Product is not explosive.	
Lower: Upper:	Not determined Not determined	
Steam pressure:	Not determined	
Density	Not determined	
10 Stability and reactivity Thermal decomposition / conditions to be avoided: Materials to be avoided: Dangerous reactions: Dangerous products of decomposition:	No decomposition if used and stored according to specifications. Oxidizing agents No dangerous reactions known Carbon monoxide and carbon dioxide Hydrogen fluoride Nitrogen oxides (NOx) Hydrogen cyanide (prussic acid)	
11 Toxicological information Acute toxicity: Primary irritant effect: on the skin: on the eye: Sensitization: Additional toxicological information:	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.	
12 Ecological information:		
Additional ecological information: General notes:	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.	
13 Disposal considerations		
Product: 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.	
14 Transport information		
Land transport ADR/RID and GGVS/GGVE (ADR/RID-GGVS/E Class:	cross-border/domestic) None	
Maritime transport IMDG/GGVSea: IMDG/GGVSea Class: Marine pollutant:	None No	
Air transport ICAO-TI and IATA-DGR: ICAO/IATA Class:	None	
	(Contd. on page 3) GB	

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Transport/Additional information:	Not dangerous according to the above specifications.
5 Regulatory information	
Designation according to EC guidelines:	
Code letter and hazard designation of product:	Xi Irritant
Risk phrases:	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. 37 Wear suitable 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 this ct the health and safety of employees. This information is furnished without warranty, and any use of the product not Sheet, or in combination with any other product or process, is the responsibility of the user. Ieet: 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 Air Transport Association IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) 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)
	ICAO: International Civil Aviation Organization ICAO: Ti certnical Instructions by the "International Civil Aviation Organization" (ICAO) GHS: Globally Harmonized System of Classification and Labelling of Chemicals