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Printing date 12.08.2010	Revision: 12.08.2010
1 Identification of substance Product details	
Trade name	Methyl 3-(4-cyanophenyl)acrylate
Stock number:	H50742
Manufacturer/Supplier:	Alfa Aesar GmbH & Co.KG 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:	Xn Harmful
Information pertaining to particular dangers for man and environment	R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
GHS label elements	R 36/37/38 Irritating tó eyes, respiratory system and skin.
	Warning
	H302 - Harmful if swallowed. H312 - Harmful in contact with skin. H332 - Harmful if inhaled. H315 - Causes skin irritation.
	H319 - Causes serious eve irritation
Prevention:	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.
Response:	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	P321 present and easy to do. Continue rinsing. Specific treatment (see on this label).
Storage: Disposal:	P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
3 Composition/information on ingredient	s
Chemical characterization: Designation: (CAS#)	Methyl 3-(4-cyanophenyl)acrylate (CAS# ?): 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.
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5 Fire fighting measures Suitable extinguishing agents	CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
Suitable extinguishing agents Special hazards caused by the material, its products of combustion or flue gases:	Can be released in case of fire:
products of compustion of fide gases.	Carbon monoxide and carbon dioxide
	Nitrogen oxides (NÖx) Hydrogen cyanide (HCN)
Protective equipment:	Wear šelf-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:	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:	See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.
	See Section 13 for information on disposal.
7 Handling and storage	
Handling Information for safe handling:	Keep containers tightly sealed.
Ŭ	Store in cool, dry placé 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.
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.
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 monitoring at the workplace:	Not required.
Additional information:	No data (Contd. on page 2)
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Product: Recommendation 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. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. 14 Transport information Disposal must be made according to official regulations. 14 Transport information Eand transport ADR/RID and GGVS/GGVE (cross-border/domestic) Image: ADR/RID-GGVS/E Class: 6.1 (T2) Toxic substances. Kemler Number: 60 UN-Number: 3439 Packaging group: III Label 6.1 Designation of goods: 3439 NITRILES, TOXIC, SOLID, N.O.S. (Methyl 3-(4-cyanophenyl)acrylate) Limited quantities (LQ) L(9) Transport category 2	General notes:	Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
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Limited quantities (LQ) LQ9 Transport category 2	Land transport ADR/RID and GGVS/GGVE (cro	
(Contd. on page 3	ADR/RID-GGVS/E Class: Kemler Number: UN-Number: Packaging group: Label	60 `

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Tunnel restriction code	E
Maritime transport IMDG/GGVSea:	
IMDG/GGVSea Class: UN Number: Label	6.1 3439 6.1
Packaging group: Marine pollutant: Correct technical name:	III No NITRILES, TOXIC, SOLID, N.O.S. (Methyl 3-(4-cyanophenyl)acrylate)
Air transport ICAO-TI and IATA-DGR:	
ICAO/IATA Class: UN/ID Number: Label	6.1 3439 6.1
Packaging group: Correct technical name:	II NITRILES, TOXIC, SOLID, N.O.S. (Methyl 3-(4-cyanophenyl)acrylate)
UN "Model Regulation":	UN3439, NITRILES, TOXIC, SOLID, N.O.S., 6.1, III
Regulatory information	
Designation according to EC guidelines:	
Code letter and hazard designation of product:	Xn Harmful
Risk phrases:	20/21/22 Harmful by inhalation, in contact with skin and if swallowed. 36/37/38 Irritating to eyes, respiratory system and skin.
Safety phrases:	 Keep container in a well-ventilated place. 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	
nformation about limitation of use:	For use only by technically qualified individuals. Employment restrictions concerning young persons must be observed.
Nater hazard class:	Water hazard class 1 (Self-assessment): slightly hazardous for water.
Other information: Employers should use this information only a this information to ensure proper use and pr not in conformance with this Material Safety	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 prod Data Sheet, or in combination with any other product or process, is the responsibility of the user.
Department issuing data specification sh Contact:	eet: Health, Safety and Environmental Department. Zachariah Holt
Abbreviations and acronyms:	Zacharian Holt ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage Dangerous Goods by Road) RID: Réglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the Internation Transport of Dangerous Goods by Rail) IMDG: International MarTime Code for Dangerous Goods IATA: International Air Transport Association IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) 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)
	ICAC- International Over Aviation Organization ICAC-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)