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1 Identification of substance Product details	
Trade name	N-(3-Fluorophenyl)thiourea
Stock number:	L09538
Manufacturer/Supplier:	Alfa Aesar GmbH & Co.KG
	Benzstrasse 3 D-76185 Karlsruhe / Germany E-mail: gcat@matthey.com www.alfa-chemcat.com
Informing department:	Product safety department.
Emergency information:	Giftnotruf Universität Mainz / Poison Information Center Mainz www.giftinfo.uni-mainz.de Telefon:+49(0)6131/19240
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2 Hazards identification	
Hazard designation:	T Toxic
Information pertaining to particular dangers	
Information pertaining to particular dangers for man and environment GHS label elements	R 25 Toxic if swallowed.
GHS label elements	Danger
	H301 - Toxic if swallowed.
Prevention:	P280 Wear protective clothing.
Response:	P309 IF exposed or if you feel unwell: P310 Immediately call a POISON CENTER or doctor/physician.
3 Composition/information on ingredient	s
Chemical characterization:	
Designation: (CAS#)	N-(3-Fluorophenyl)thiourea
4 First aid measures	
General information	Instantly remove any clothing soiled by the product.
After inhalation	In case of irregular breathing or respiratory arrest provide artificial respiration. Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms
	Seek immediate medical advice.
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. Do not induce vomiting; instantly call for medical help.
After swallowing	Do not induce vomiting; instantly call for medical help. Seek immediate medical advice.
5 Fire fighting measures	CO2, extinguishing powder or water jet. Fight larger fires with water jet or aleghed resistant form
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
	Nitrogen oxides (NOx)
Ducto etivo e anvienzante	Possibly Hydrogen cyanide (HCN) 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: Additional information:	Dispose of contaminated material as waste according to item 13
	See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.
	Jee Jeolion 13 101 Illionnalion on disposal.
7 Handling and storage	
Handling Information for safe handling:	Keep containers tightly sealed. Store in cool, dry place in tightly closed containers.
-	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.
Storage	Roop ignition oodrood diway
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.
	Store in a locked cabinet or with access restricted to technical experts or their assistants.
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: Additional information:	Not required. No data
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.
Breathing equipment: Protection of hands:	Use breathing protection with high concentrations.
	Check protective gloves prior to each use for their proper condition. (Contd. on page 2)
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(Contd. of page 1) 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 Protective work clothing.
Crystalline powder White Odourless
114-117°C Not determined 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 Nitrogen oxides (NOX) Carbon monoxide and carbon dioxide Sulphur oxides (SOx) Possibly Hydrogen cyanide (HCN)
May cause irritation May cause irritation 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.
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.
Disposal must be made according to official regulations.
cross-border/domestic)
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6.1 (T2) Toxic substances. 60 2811 III 6.1 2811 TOXIC SOLID, ORGANIC, N.O.S. (N-(3-Fluorophenyl)thiourea)
LQ9 2 E
6.1 2811 6.1 (Contd. on page 3)

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Trade name N-(3-Fluorophenyl)thiourea	rade name N-(3-Fluorophenyl)thiourea		
	(Contd. of page 2)		
Packaging group: EMS Number: Marine pollutant: Correct technical name:	III F-A,S-A No TOXIC SOLID, ORGANIC, N.O.S. (N-(3-Fluorophenyl)thiourea)		
Air transport ICAO-TI and IATA-DGR:			
ICAO/IATA Class: UN/ID Number: Label Packaging group: Correct technical name:	6.1 2811 6.1 III TOXIC SOLID, ORGANIC, N.O.S. (N-(3-Fluorophenyl)thiourea)		
UN "Model Regulation":	UN2811, TOXIC SOLID, ORGANIC, N.O.S., 6.1, III		
15 Regulatory information			
Designation according to EC guidelines:			
Code letter and hazard designation of product:	T Toxic		
Risk phrases:	25 Toxic if swallowed.		
Safety phrases:	36 Wear suitable protective clothing. 45 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:	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.		
16 Other information: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the produc not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.			
	:: 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: Règlement 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-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Instructions by the "International Civil Aviation Organization" (ICAO) GH3: Globally Harmonized System of Classification and Labelling of Chemical Society)		

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