Printing date 11.08.2010

1 Identification of substance

Revision: 11.08.2010

Product details	
Trade name	<u>3-Fluorobenzophenone</u>
Stock number:	
Manufacturer/Supplier:	Alfa Aesar GmbH & Co.KG Benzstrasse 3 E-mail: gcat@matthey.cor
	D-76185 Karlsruhe / Germany www.alfa-chemcat.cor
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:	
ndzaru uesignation.	Xi Irritant
Information pertaining to particular dangers	
for man and environment GHS label elements	R 36/37/38 Irritating to eyes, respiratory system and skin.
	Warning
	H315 - Causes skin irritation. H319 - Causes serious eye irritation.
Prevention:	H315 - Causes serious eye initiation. H315 - 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 present and easy to do. Continue rinsing.
Response:	P302+P352 IF ON SKIN: Wash with plenty of soap and water.
	and easy to do. Continue missing.
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	ts
Chemical characterization: Designation: (CAS#)	3-Fluorobenzophenone (CAS# 345-69-7)
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.
After eye contact	Seek immediate medical advice. Rinse opened eye for several minutes under running water. Then consult doctor.
After swallowing	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 bazarde calleed by the material lite	
Special hazards caused by the material, its products of combustion or flue gases:	Can be released in case of fire:
products of combustion or flue gases:	Carbon monoxide and carbon dioxide
Special hazards caused by the material, its products of combustion or flue gases: Protective equipment:	Carbon monoxide and carbon dioxide
products of combustion or flue gases: Protective equipment:	Carbon monoxide and carbon dioxide Hydrogen fluoride (HF) Wear self-contained breathing apparatus.
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Thinking date T1.00.2010	
Trade name 3-Fluorobenzophenone	
	(Contd. of page 1)
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. Avoid contact with the eyes and skin.
Breathing equipment: Protection of hands: Material of gloves	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
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:	Solid.
Colour: Smell:	White Yellow Not determined
Change in condition	
Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	48-52°C Not determined Not determined
Ignition temperature:	Not determined
Decomposition temperature:	Not determined
Danger of explosion:	Product is not explosive.
Critical values for explosion: Lower: Upper:	Not determined Not determined
Steam pressure:	Not determined
Density	Not determined
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
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 (c 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
Transport/Additional information:	Not dangerous according to the above specifications.
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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.	

conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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 Department issuing data specification sheet:
 Health, Safety and Environmental Department.

 Contact:
 Zachariah Holt

 Abbreviations and acronyms:
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 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 Martime Code for Dangerous Goods
 Nail

 MDG: International Air Transport Association
 IATA: International Air Transport Association

 IATA: International Civil Aviation Organization
 ICAO: It: Technical Instructions by the "International Air Transport Association" (IATA)

 ICAO: The Cohnical Instructions System of Classification and Labelling of Chemicals
 CAS: Chemical Abstracts Service (division of the American Chemical Society)