SECTION 1: identification of the substance/mixture and care advected against. 1: Produce identification of the substance of	Printing date 01.07.2013	Revision: 14.01.2008	
Stock number: Stock nu			
1.3 Details of the supplier of the safety data sheet Control P Control	Stock number:	H26234	
A. Johnson Matthey Company Field Relations, Company Field Relati	1.3 Details of the supplier of the safety data	sheet	
Interming department: Under Berlahm Interming department: Product Regins (1997) 272 898987-0. Product Regins (1997) Product Regins (1997) SECTION 2: Hazards identification	Manufacturer/Supplier:	A Johnson Matthey Company	
Interning department: Under the output of the provide of theprovide of the provide of the provide of the provide of theprovid		76185 Karlsruhe / Germany Tel: +49 (0) 721 84007 280	
Informing department: Product safety T4 + 408:07.272 89867-0_ 2.1 Classification action Product safety T4 + 408:07.272 89867-0_ 2.1 Classification of the substance or mixture Product safety T4 + 408:07.272 89867-0_ 2.1 Classification of the substance or mixture Product safety T4 + 408:07.272 89867-0_ 2.1 Classification according to Regulation (EC) No 12722008 Product safety T4 + 408:07.272 89867-0_ 2.1 Classification according to Regulation (EC) No 12722008 Product safety T4 + 408:07.272 89867-0_ 2.1 Classification according to Directive 07/548/EC or Directive 19994/54C Product safety T4 + 408:07.272 89867-0_ 2.1 Classification according to Directive 07/548/EC or Directive 19994/54C Product safety T4 + 408:07.272 89867-0_ 2.1 Classification according to Directive 07/548/EC or Directive 19994/54C Product safety T4 + 408:07.272 89867-0_ 2.1 Classification according to Regulation (EC) No information known. Product safety T4 + 408:07.272 89867-0_ 2.2 Classification according to Regulation (EC) No information known. Product safety T4 + 408:07.272 89867-0_ 2.2 Classification according to Regulation (EC) No information known. Product safety T4 + 408:07.272 89867-0_ 2.2 Classification according to Regulation (EC) No information according to the CL Progulation. Product safety T4 + 408:07.272 89867-0_ 2.2 Stref and VPU ass		Email: tech@alfa.com	
SECTION 2: Hazards identification 2: Classification of the substance or mixture consultation (EC) No History Statements Section 2: A statements Section 3: A statements Section 3: A statements Section 4: Statement Sectin modula measures Section 4: St		www.alfa.com Product safety Tel + +049 (0) 7275 988687-0 Carachem 24: +44 (o) 1235 239 670 (Multi-language emergency number)	
21 Classification of the substance or mixture Glassification of the substance of TSAVEEC or Directive 1994/SEC Glassification of the substance of the substance in classified and labelied according to the CLP regulation. CP2000 (CL) (CL) (CL) (CL) (CL) (CL) (CL) (CL)		Poison Information Center Mainz www.giftinfo.uni-mainz.de Telephone: +49(0)6131/19240	
ChestFicture of Regulation (EC) No 1272/2008 Sin Int 2 H315 Causes skin initiation. Constraints and service propertition of the service of th			
Swin Int. 2 H315 Causes skin irritation. End Int. 2 H315 Causes skin irritation. End Int. 2 H316 Causes serious eye initiation. Signal Subroous ergenteriory instance. Mol applicable Signal Subroous ergenteriory instance. Mol applicable Signal Subroous ergenteriory instance. No information concerning particular bases, registratory instance. Signal Word No information known. A Label elements No information known. Label information ergent in Mol applicable. No information known. Varing Signal Word Signal Word H315 Causes serious explicitudity statements H315 Causes endower with intation. H32nd statements H315 Causes endower within the Mark Signal Word H315 Causes endower within the Mark Signal Word H32nd statements H315 Causes endower within the Mark Signal Word H315 Causes endower within the Mark Signal Word H32nd statements H315 Causes endower within the Mark Signal Word H315 Causes endower within the Mark Signal Word H32nd statements H315 Causes endower within the Mark Signal Word H315 Causes endower within the Mark Signal Word H32nd statements No applicable. No applicable. No applicable. State indeadre data			
Eye Int. 2: H319 Causes serious eye initiation. Classification according to Directive 67548/EEC or Directive 1994/SEC Classification according to Regulation macro No Information Anown. 2: Label elements Classification Classification Classification (EC) No Classification Classification Classification (EC) No Classification Classification Classification (EC) No Classification Classification Classification (EC) No Classification (EC) No Classification Classification (EC) No Classification Classification (EC) No Classification Classification (EC) No Classification (EC) No Classification Classification (EC) No Classification (EC) No Classificatio	GHS07		
X: Kirrliami	Eye Irrit. 2 H319 Causes serious eye irritation		
R3827738: Initialing to yes, respiratory system and skin. Information concerning particular hazards for human and environment: Not applicable Stassification on result in Classification on result in Subsitive and the system and skin. Not applicable 2.2 Label elements Labeling according to Regulation (CC) No. The subsitive according to the CLP regulation. 7272706 The subsitive according to Regulation (CC) No. 72827452 FO NS KNIK. Wash with plointy of soap and water. 7293 Subsitive according to Regulation on Ingredients 73 Subsitive PBT and vPvB assessment FBT: VVG: Not applicable. SECTION 3: Composition/information on	Classification according to Directive 67/548/EEC or Directive 1999/45/EC		
toriuman and environment: Not applicable voltassification: Not information known. 22 Label elements Labeling according to Regulation (EC) No The substance is classified and labeled according to the CLP regulation. Maintain according to Regulation (EC) No Procautionary statements Hazard statements Hazard statements Procautionary statements Hazard statements Hazard statements Pace-PS2 (PS) (PS) (PS) (PS) (PS) (PS) (PS) (PS)	R36/37/38: Irritating to eyes, respiratory syste	em and skin.	
2.1 Labil idences: Labiling according to Regulation (EC) No TZZ2006 Hazard statements The substance is classified and labelled according to the CLP regulation. CHS07 Hazard statements Precautionary statements The substance is classified and labelled according to the CLP regulation. CHS07 Hazard statements Precautionary statements The substance is classified and labelled according to the CLP regulation. Haso Causes skin irritation. Haso Causes irritation.	for human and environment: Other hazards that do not result in	Not applicable	
1272/2006 The substance is classified and labelled according to the CLP regulation. Hazard statements High and place is classified and labelled according to the CLP regulation. Hazard statements High accuse respiration. Precautionary statements High accuse respiration. Precautionary statements High accuse respiration. Passer 25.1 PSD - PSS	2.2 Label elements		
Signal word Hazard statements Warring Hazard statements Warring Hazard statements Warring Hazard statements Precautionary statements Hazard statements Hazard statements Hazard statements Hazard statements Hazard statements Hazard statements Hazard statements 2.3 Other hazards Results of PBT and vPvB assessment PBT Section 2000 3: Composition/information on ingredients Hazard statements Hazard statements Results of PBT and vPvB assessment PBT Not applicable. 2.3 Other hazards Results of PBT and vPvB assessment PBT CAS# Designation: 3-Fluoro-4-(trifluoromethoxy)benzoic acid SECTION 3: Composition/information on ingredients 3-Fluoro-4-(trifluoromethoxy)benzoic acid SECTION 4: First aid measures Atter inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persit. After skal contact Sectific median advice wallocating medical advice. After skal contact Sectific medical advice. After skal contact Sectific medical advice. Sectific medical advice. No further relevant information available. Sectrol of a delayed 4.3 Indication of an greatement needed advice or inficient needed advice wallowing special treatment needed advice in roubid in a fire, the following can be released: C20, extinguishing period in a fire, the relevant information available. SECTION 5: Firefighting measures 5.1 Extinguishing media Suitable extinguishing special substa	1272/2008 Hazard pictograms	GHS07	
Precautionary statements H336 May cause respiratory irritation. P307-P335 + P338 Available thind desaution of the state thind desaution of the state thind desaution of the state that the state that the state that the state the sta	Signal word	Warning H315 Causes skin irritation.	
2.3 Other hazards resultion present and easy to do. Continuenting. Present and easy to do. Continuenting. 2.3 Other hazards resultion FOM SVR.Wash with plenty of scap and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and end to do. Continuenting and water. Provide a present and easy to do. Continuenting and the provide a present and easy to do. Continuenting and water. Provide a present and easy to do. Continuenting and the provide a present and easy to do. Continuenting and the provide a present and easy to do. Continuenting and the provide a dor do. Continuenting and the provide a dor do. Continuenting and the provide a dor do. Continuenting and the provide and a provide and a provide and a provide and present and easy to do. Continuenting and the provide and cardon dor to an provide and early the provide and a provide and a provide and a provide and a provide and the provide and early the provide and the present and the provide and the provide and the provid t	Precautionary statements	H335 May cause respiratory irritation.	
2.3 Other hazards regulations. Store locked up. Psoil Dispose of contents/container in accordance with local/regional/national/international regulations. 2.3 Other hazards Results of PST and vPvB assessment PBT: Not applicable. Not applicable. SECTION 3: Composition/information on ingredients 3.1 Substances CASP Designation: 3-Fluoro-4- (trifluoromethoxy)benzoic acid SECTION 4: First aid measures After skin contact Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms parkit. After skin contact Seek immediate medical advice. After swallowing Seek immediate medical advice. 4.1 Description of any immediate medical attention and special treatment endeded No further relevant information available. 5.1 Extinguishing mediate substance or mixture Supply firsh air, the following can be released: Catron monoxide and carbon dioxide Hydrogen fluoride (HP) 5.3 Advice for firefighters Wear self-contained breatming apparatus. Forture equipment: Wear self-contained breatming apparatus. SECTION 6: Accidental release measures CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. 5.1 Extinguishing protective substance or mixture Wea		P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
2.3 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. SECTION 3: Composition/Information on ingredients 3.1 Substances 3.1 Substances 3-Fluoro-4-(trifluoromethoxy)benzoic acid SECTION 4: First aid measures 3-Fluoro-4-(trifluoromethoxy)benzoic acid SECTION 4: First aid measures Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms pesist. After skin contact Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor. Seek immediate medical advice. Instantly wash with water and soap and rinse thoroughly. Seek immediate medical advice. Rinse opened eye for several minutes under running water. Then consult doctor. Seek medical treatment. Atter swallowing SECTION 5: Firefighting measures No further relevant information available. No further relevant information available. No further relevant information available. SECTION 5: Firefighting measures CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Hydrogen fluoride (HF) SECTION 6: Accidental release measures CO2, extinguishing apparatus. Wear protective equipment. Sea protocut se equipment. Keep unprotected persons away. Ensure adequate ventilation Do not allow protect to reach sewage system or water bodies. Do not allow to center the ground/soll. Ensure adequate ventilation. No sobsecoll. Ensure		P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international	
VPVB: Not applicable. SECTION 3: Composition/Information on ingredients 3.1 Substances 3.1 Substances 3-Fluoro-4-(trifluoromethoxy)benzoic acid SECTION 4: First aid measures 4.1 Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms parts is. After skin contact Seek immediate medical advice. After swallowing No further relevant information available. V.1 Science No further relevant information available. SECTION 5: Firefighting measures CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. 5.1 Extinguishing media CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Sizection on noxize and carbon dioxide Hydrogen fluoride (HF) Sizection of inergighters Wear self-contained breathing apparatus. Sectrion 6: Acccidental release measures<	Results of PBT and vPvB assessment	, and the second s	
3.1 Substances 3-Fluoro-4-(trifluoromethoxy)benzoic acid SECTION 4: First aid measures After stin dimeasures After skin contact Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. After skin contact Seek immediate medical advice. After skin contact Instantify wash with water and soap and rinse thoroughly. Seek immediate medical advice. Rise opened eye for several minutes under running water. Then consult doctor. After swillowing Seek medical treatment. 4.3 Most important symptoms and effects, both acute and delayed No further relevant information available. SECTION 5: Firefighting measures Scover event and for any immediate medical treatment. 5.1 Extinguishing media Substance or mixture 5.1 Extinguishing media CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. 5.2 Special hazards arising from the substance or mixture Wear self-contained breathing apparatus. SECTION 6: Accidental release measures Ensure adequate ventilation 6.1 Personal precautions, protective equipment. Keep unprotected persons away. Ensure adequate ventilation. 6.2 Environmental precautions: Do tor allow material to cereleased to the environment without proper governmental permits. Do not allow protict to reach			
CAS# Designation: 3-Fluoro-4-(trifluoromethoxy)benzoic acid SECTION 4: First aid measures Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. After skin contact Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. After swallowing Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. After swallowing Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor. After swallowing Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor. After swallowing Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor. After swallowing Supply fresh air. If required, provide artificial respiration. After swallowing Supply fresh air. If required, provide artificial respiration. After swallowing No further relevant information available. All addication of apy immediate medical advice. No further relevant information available. SECTION 5: Firefighting measures CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. 5.2 Special hazards arising from the substance or mixture Wear self-contained breathing apparatus. SECTION 6			
4.1 Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. After skin contact Seek immediate medical advice. Instantly wash with water and soap and rinse thoroughly. Seek immediate medical advice. After swallowing After swallowing Seek immediate medical advice. Rines opened eye for several minutes under running water. Then consult doctor. Seek medical treatment. 4.3 Indication of any Immediate medical attention and special treatment needed No further relevant information available. 5.1 Extinguishing media Substance or mixture No further relevant information available. 5.3 Advice for firefighters Protective equipment: CO2, extinguishing media Wear suff-contained breathing apparatus. Wear full protective suit. SECTION 6: Accidental release measures 6.1 Personal precautions, protective equipment and emergency procedures and cleaning up: Prevention of secondary hazards: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach swage system or water bodies. Do not allow to enter the ground/soil.		3-Fluoro-4-(trifluoromethoxy)benzoic acid	
After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. After skin contact Seek immediate medical advice. After swallowing Seek immediate medical advice. A2 Most important symptoms and effects, both acute and delayed No further relevant information available. A3 Indication of any immediate medical attention and special treatment needed No further relevant information available. SECTION 5: Firefighting measures CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. 5.2 Special hazards arising from the substance or mixture Vear self-contained breathing apparatus. SECTION 6: Accidental release measures CO2, extinguishing apprett: 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation 6.2 Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water biodies. Do not allow product or here system or water biodies. Do not allow product or here severe equipment. 6.3 Methods and material for containment and cleaning up: Provention of secondary hazards : 6.3 Methods and material for containment and cleaning up: Ensure adequate ventilation. No special measures required.			
After skin contact Instantly wash with water and scap and rinse thoroughly. After eye contact Seek immediate medical advice. After swallowing Seek immediate medical advice. A1 Indication of any immediate medical attreatment. No further relevant information available. A3 Indication of any immediate medical attreatment. No further relevant information available. SECTION 5: Firefighting measures S.1 Extinguishing agents 5.1 Extinguishing active or mixture CO2, extinguishing apparatus. SECTION 6: Accidental release measures Wear protective suit. 6.1 Personal precautions, protective equipment: Wear protective equipment. Keep unprotected persons away. 6.2 Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies. Do not allow product or eadequate ventilation. No special measures required.		persist.	
After eye contact Rinse opened eye for several minutes under running water. Then consult doctor. After swallowing Seek medical treatment. 4.2 Most important symptoms and effects, No further relevant information available. Ain function of any immediate medical attention and special treatment needed No further relevant information available. SECTION 5: Firefighting measures 5.1 Extinguishing agents 5.1 Extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. 5.2 Special hazards arising from the substance or mixture CO2, extinguishing apparts 5.3 Advice for firefighters Vear self-contained breathing apparatus. Protective equipment: Wear self-contained breathing apparatus. SECTION 6: Accidental release measures 6.1 Personal precautions, protective equipment. Keep unprotected persons away. Ensure adequate ventilation 6.2 Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Do not allow protective the ground/soil. 6.3 Methods and material for containment and cleaning up: Finsure adequate ventilation. No social measures reguired.	After skin contact	Instantly wash with water and soap and rinse thoroughly.	
both acute and delayed No further relevant information available. 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available. SECTION 5: Firefighting measures So further relevant information available. SECTION 5: Firefighting measures CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. 5.1 Extinguishing media CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. 5.2 Special hazards CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. 5.3 Advice for firefighters If this product is involved in a fire, the following can be released: Frotective equipment: Wear self-contained breathing apparatus. Wear full protective suit. Wear full protective suit. SECTION 6: Accidental release measures Ensure adequate ventilation 6.1 Personal precautions, protective equipment. Keep unprotected persons away. Ensure adequate ventilation Do not allow worduct to reach sewage system or water bodies. Do not allow worduct to reach sewage system or water bodies. 6.3 Methods and material for containment and cleaning up: Fusure adequate ventilation. Prevention of secondary hazards: No special measures required.	After swallowing	Rinse opened eye for several minutes under running water. Then consult doctor.	
attention and special treatment needed No further relevant information available. SECTION 5: Firefighting measures 5.1 Extinguishing media Suitable extinguishing agents 5.2 Special hazards arising from the substance or mixture S.3 Advice for firefighters Protective equipment: Wear self-contained breathing apparatus. Wear self-contained breathing apparatus. Wear full protective suit. SECTION 6: Accidental release measures 6.1 Personal precautions, protective equipment and emergency procedures 6.2 Environmental precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation 6.3 Methods and material for containment and cleaning up: Preventilation. Prevention of secondary hazards:	both acute and delayed	No further relevant information available.	
5.1 Extinguishing media CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. 5.2 Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Hydrogen fluoride (HF) 5.3 Advice for firefighters Protective equipment: Wear self-contained breathing apparatus. Wear full protective suit. SECTION 6: Accidental release measures 6.1 Personal precautions, protective equipment and emergency procedures 6.2 Environmental precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Do not allow to enter the ground/soil. 6.3 Methods and material for containment and cleaning up: Ensure adequate ventilation. No special measures required.	attention and special treatment needed	No further relevant information available.	
Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. 5.2 Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Hydrogen fluoride (HF) 5.3 Advice for firefighters Wear self-contained breathing apparatus. Wear full protective suit. SECTION 6: Accidental release measures 6.1 Personal precautions, protective equipment and emergency procedures 6.2 Environmental precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Do not allow material to be net the ground/soil. 6.3 Methods and material for containment and cleaning up: Ensure adequate ventilation. No special measures required.	00		
substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Hydrogen fluoride (HF) 5.3 Advice for firefighters Protective equipment: Wear self-contained breathing apparatus. Wear full protective suit. SECTION 6: Accidental release measures 6.1 Personal precautions, protective equipment and emergency procedures 6.2 Environmental precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Do not allow to enter the ground/soil. 6.3 Methods and material for containment and cleaning up: Prevention of secondary hazards: Ensure adequate ventilation. No special measures required.	Suitable extinguishing agents 5.2 Special hazards arising from the		
Protective equipment: Wear self-contained breathing apparatus. Wear full protective suit. SECTION 6: Accidental release measures Image: Contained breathing apparatus. Wear full protective suit. 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil. 6.3 Methods and material for containment and cleaning up: Prevention of secondary hazards: Ensure adequate ventilation. No special measures required.		Carbon monoxide and carbon dioxide	
6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. 6.2 Environmental precautions: Wear protective equipment. Keep unprotected persons away. 6.3 Methods and material for containment and cleaning up: Do not allow product to reach sewage system or water bodies. Prevention of secondary hazards: Ensure adequate ventilation.		Wear self-contained breathing apparatus. Wear full protective suit.	
equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. 6.2 Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil. 6.3 Methods and material for containment and cleaning up: Ensure adequate ventilation. Prevention of secondary hazards: No special measures required.			
6.2 Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil. 6.3 Methods and material for containment and cleaning up: Ensure adequate ventilation. Prevention of secondary hazards: No special measures required.	6.1 Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away.	
6.3 Methods and material for containment and cleaning up: Ensure adequate ventilation. Prevention of secondary hazards: No special measures required.	6.2 Environmental precautions:	Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or water bodies.	
(Contd. on page 2)	and cleaning up:	Ensure adequate ventilation.	
		(Contd. on page 2) DE/E	

Revision: 14.01.2008

	Revision: 14.01.2000
Trade name 3-Fluoro-4-(trifluoromethox))benzoic acid
	(Contd. of page 1)
6.4 Reference to other sections	See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.
SECTION 7: Handling and storage	
7.1 Precautions for safe handling	Keep containers tightly sealed.
g	Store in cool, dry place in tightly closed containers.
Information about protection against	Ensure good ventilation/exhaustion at the workplace.
explosions and fires:	No information known.
7.2 Conditions for safe storage, including an	y incompatibilities
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.
7.3 Specific end use(s)	Store in cool, dry conditions in well sealed containers. No further relevant information available.
7.5 Specific end use(s)	
SECTION 8: Exposure controls/person	al protection
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.
8.1 Control parameters Components with critical values that require	
monitoring at the workplace:	Not required.
Additional information:	No datà
8.2 Exposure controls	
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.
	Instantly remove any solied and impregnated garments. Wash bands during breaks and at the end of the work
	AV/OID CONTACT WITH THE EVES AND SKIN
Breathing equipment:	Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations.
Protection of hands:	Check protection of the suitable gloves does not only depend on the material, but also on further marks of quality
	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.
Material of gloves	Impervious gloves
Penetration time of glove material	Not determined
Eye protection:	Safety glasses Face protection
Body protection:	Protective work clothing.
SECTION 9: Physical and chemical pro	nortion
· · · · ·	
9.1 Information on basic physical and chem General Information	ca properties
Appearance:	Devide
Form: Smell:	Powder Not determined
Odour threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/Melting range: Boiling point/Boiling range:	Not determined Not determined
Sublimation temperature / start:	Not determined
Flash point:	Not applicable
Inflammability (solid, gaseous)	Not determined.
Ignition temperature: Decomposition temperature:	Not determined Not determined
Self-inflammability:	Not determined.
Danger of explosion:	Product is not explosive.
Critičal values for explosion: Lower:	Not determined
Upper:	Not determined
Steam pressure:	Not applicable
Density Relative density	Not determined Not determined.
Vapour density	Not applicable.
Evaporation rate Solubility in / Miscibility with	Not applicable.
Water:	Not determined
Partition coefficient (n-octanol/water):	Not determined.
Viscosity: dynamic:	Not applicable.
kínematic:	Not applicable.
9.2 Other information	No further relevant information available.
SECTION 10: Stability and reactivity	
SECTION 10: Stability and reactivity	No information known
10.1 Reactivity 10.2 Chemical stability	No information known. Stable under recommended storage conditions.
Thermal decomposition / conditions to be	u de la construcción de la const
avoided: 10.3 Possibility of hazardous reactions	No decomposition if used and stored according to specifications. No dangerous reactions known
10.5 Incompatible materials:	Oxidizing agents
10.6 Hazardous decomposition products:	Carbon monoxide and carbon dioxide (Contd. on page 3)
L	DE/E

Page 3/4

Revision: 14.01.2008

(Contd. of page 2)

Safety data sheet according to 1907/2006/EC, Article 31 Trade name 3-Fluoro-4-(trifluoromethoxy)benzoic acid Hydrogen fluoride SECTION 11: Toxicological information 11.1 Information on toxicological effects LD/LC50 values that are relevant for classification: No effects known. No data Skin irritation or corrosion: Causes skin irritation. Causes serious eye irritation. No sensitizing effect known. Eye irritation or corrosion: Sensitization: No effects known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA Germ cell mutagenicity: Carcinogenicity: or ACGIH. Reproductive toxicity: Specific target organ system toxicity -repeated exposure: Specific target organ system toxicity - single No effects known. No effects known. exposure: May cause respiratory irritation. Aspiration hazard: Additional toxicological information: No effects known. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. **SECTION 12: Ecological information** 12.1 Toxicity 12.1 Toxicity Aquatic toxicity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil Additional ecological information: No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available General notes: Do not allow material to be released to the environment without proper governmental permits. 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. Avoid transfer into the environment. 12.5 Results of PBT and vPvB assessment PBT: Not applicable. vPvB: 12.6 Other adverse effects Not applicable. No further relevant information available. SECTION 13: Disposal considerations 13.1 Waste treatment methods 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. Recommendation Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. SECTION 14: Transport information **UN-Number** ADR, IMDG, IATA None 14.2 UN proper shipping name ADR, IMDG, IATA None 14.3 Transport hazard class(es) ADR, IMDG, IATA Class None Packing group ADR, IMDG, IATA None 14.5 Environmental hazards: Not applicable. 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: Not dangerous according to the above specifications. SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Australian Inventory of Chemical Substances Standard for the Uniform Scheduling of Substance is not listed. **Drugs and Poisons** Substance is not listed. National regulations For use only by technically qualified individuals. Employment restrictions concerning young persons must be observed. Information about limitation of use: Water hazard class 1 (Self-assessment): slightly hazardous for water. Water hazard class: Other regulations, limitations and prohibitive regulations ELINCS (European List of Notified Chemical Substances) Substance is Substance is not listed. Substances of very high concern (SVHC) according to REACH, Article 57 REACH - Pre-registered substances 15.2 Chemical safety assessment: Substance is not listed. Substance is not listed. A Chemical Safety Assessment has not been carried out. **SECTION 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 product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Department issuing data specification shet: Health, Safety and Environmental Department. Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDE: International Maritime Code for Dangerous Goods IATA: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labelling of Chemicals CAS: Chemical Abstracts Service (division of the American Chemical Society)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 01.07.2013

Trade name 3-Fluoro-4-(trifluoromethoxy)benzoic acid

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

(Contd. of page 3)

Revision: 14.01.2008

DE/E