



1 Identification
Product identifier
Product name: 5-Fluoro-2-methoxyphenylacetonitrile
Stock number: H31709 CAS Number:
501008-41-9 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development
Details of the supplier of the safety data sheet Manufacturer/Supplier:
Alfa Aesar
Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Word Hill, M. 01825, 8000
Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757
Email: tech@alfa.com
www.alfa.com Information Department: Health, Safety and Environmental Department
Emergency telephone number: During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0789.
2 Hazard(s) identification
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)
GHS07
Acute Tox. 4 H302 Harmful if swallowed. Acute Tox. 4 H312 Harmful in contact with skin.
Acute Tox. 4 H332 Harmful if inhaled.
Skin Irrit. 2 H315 Causes skin irritation. Eve Irrit. 2A H319 Causes serious eve irritation.
Eye Irrit. 2A H319 Causes serious eye irritation. Hazards not otherwise classified No information known.
Label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)
Hazard pictograms
$\langle ! \rangle$
GHS07
Signal word Warning
Hazard statements H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.
Precautionary statements
P201 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
H315 Causes skin irritation. H319 Causes serious eye irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection. P305+P351+P338 FI N EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P305+P351+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P362 Take off contaminated clothing before reuse. P363 Wash contaminated clothing before reuse. P321 Specific treatment (see on this label).
P322 Specific measures (see on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
WHMIS classification D1B - Toxic material causing immediate and serious toxic effects
D2B - Toxic material causing other toxic effects
Classification system HMIS ratings (scale 0-4)
(Hazardouš Materials Identification System)
Fire I Flammability = 1
REACTIVITY Physical Házard = 1 Other hazards
Results of PBT and vPvB assessment PBT: Not applicable.
vPvB: Not applicable.
3 Composition/information on ingredients
Chemical characterization: Substances
CAS# Description: 501008-41-9 5-Fluoro-2-methoxyphenylacetonitrile
4 First-aid measures
Description of first aid measures
After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm.
(Contd. on page 2)

(Contd. on page 2)

Safety Data Sheet acc. to OSHA HCS

Product name: 5-Fluoro-2-methoxyphenylacetonitrile

(Contd. of page 1) Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delayed Causes skin irritation Harmful if swallowed Causes serious eye irritation. Harmful if inhaled. Harmful in contact with skin Indication of any immediate medical attention and special treatment needed No further relevant information available. 5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. 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) Hydrogen cyanide (HCN) Nitrogen oxides (NOx) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. 6 Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Environmental precautions: Do not allow product to reach sewage system or any water course. Methods and material for containment and cleaning up: Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. Prevention of secondary hazards: No special measures required. 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 disposal information. 7 Handling and storage Handling Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: 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. in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available. 8 Exposure controls/personal 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. Control parameters Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: No data Exposure controls Personal protective equipment Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Recommended filter device for short term use: Use a respirator with type P100 (USA) or P3 (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards. purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards. **Protection of hands:** Impervious gloves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. **Eye protection:** Safety glasses **Body protection:** Protective work clothing.

Product name: 5-Fluoro-2-methoxyphenylacetonitrile

Page 3/5 Printing date 09/26/2016 Revision date 09/23/2016

		(Contd. of page 2)
9 Physical and chemical properties		
Information on basic physical and che General Information Appearance:		
[°] Form: Odor: Odor threshold:	Crystalline powder Not determined Not determined.	
pH-value:	Not applicable.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	53-56 °C (127-133 °F) Not determined Not determined Not determined Not determined Not determined Not determined Not determined	
Danger of explosion: Explosion limits: Lower:	Not determined. Not determined	
Upper: Vapor pressure: Density:	Not determined Not applicable. Not determined	
Relative density Vapor density Evaporation rate Solubility in / Miscibility with	Not determined. Not applicable. Not applicable.	
Water: Partition coefficient (n-octanol/water): Viscosity:		
dynamic: kinematic: Other information	Not applicable. Not applicable. No further relevant information available.	
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recomm Thermal decomposition / conditions to Possibility of hazardous reactions Re Conditions to avoid No further relevant Incompatible materials: Oxidizing ager Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen fluoride Nitrogen oxides Hydrogen cyanide	to be avoided : Decomposition will not occur if used and stored according to specifications. eacts with strong oxidizing agents t information available. nts	
Reproductive foxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known. Subacute to chronic toxicity: No effect Additional toxicological information: Carcinogenic categories	kin irritation. prious eye irritation. own. own on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. on. - repeated exposure: No effects known. - single exposure: No effects known.	
12 Ecological information		
Toxicity Aquatic toxicity: No further relevant infor Persistence and degradability No furth Bioaccumulative potential No further n Mobility in soil No further relevant infor Additional ecological information: General notes: Avoid transfer into the e Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further releva	her relevant information available. relevant information available. rmation available. environment. t	
13 Disposal considerations Waste treatment methods Recommendation Consult state, local o	or national regulations to ensure proper disposal.	
<u> </u>		(Contd. on page 4) USA

Incleaned packagings: Recommendation: Disposal must be made according to official regulations.	. (Contd. of pa
Fransport information	
JN-Number DOT, IMDG, IATA	UN3439
IN proper shipping name	
DOT MULTING MDG, IATA	Nitriles, solid, toxic, n.o.s. (5-Fluoro-2-methoxyphenylacetonitrile) NITRILES, SOLID, TOXIC, N.O.S. (5-Fluoro-2-methoxyphenylacetonitrile)
ransport hazard class(es)	
DOT	
10xc	
Class	6.1 Toxic substances.
abel	6.1
Class abel	6.1 (T2) Toxic substances 6.1
MDG, IATA	
Vass	6.1 Toxic substances.
abel	6.1
Packing group DOT, IMDG, IATA	111
Environmental hazards:	Not applicable.
Special precautions for user MS Number:	Warning: Toxic substances F-A.S-A
ransport in bulk according to Annex II of MARPOL73/78 and the IBC C	Code Not applicable.
Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
IN "Model Regulation":	UN2420 Nitrilas solid taxis nos (E Elvers 2 methous ben desetenitrila) 64
Regulatory information Safety, health and environmental regulations/legislation specific for the SHS label elements The product is classified and labeled in accordance with lazard pictograms	UN3439, Nitriles, solid, toxic, n.o.s. (5-Fluoro-2-methoxyphenylacetonitrile), 6.1, e substance or mixture th 29 CFR 1910 (OSHA HCS)
Regulatory information Safety, health and environmental regulations/legislation specific for the SHS label elements The product is classified and labeled in accordance wi	
Regulatory information Safety, health and environmental regulations/legislation specific for the SHS label elements The product is classified and labeled in accordance wi	
Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements The product is classified and labeled in accordance wit lazard pictograms GHS07 Signal word Warning	
Regulatory information Gafety, health and environmental regulations/legislation specific for the GHS label elements The product is classified and labeled in accordance with lazard pictograms GHS07 Signal word Warning lazard statements 1302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.	
Regulatory information Safety, health and environmental regulations/legislation specific for the BHS label elements. The product is classified and labeled in accordance with lazard pictograms Support Support Signal word Warning Hazard statements 1302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled. 1315 Causes skin irritation. 1319 Causes serious eye irritation.	
Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements The product is classified and labeled in accordance with lazard pictograms SelfS07 Signal word Warning lazard statements 1302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled. 1315 Causes skin irritation. 1319 Causes serious eye irritation. 1319 Causes serious eye irritation. 1319 Avoid breathing dust/fume/gas/mist/vapours/spray.	e substance or mixture th 29 CFR 1910 (OSHA HCS)
Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements The product is classified and labeled in accordance with lazard pictograms SelfS07 Signal word Warning lazard statements 1302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled. 1315 Causes skin irritation. 1319 Causes serious eye irritation. 1319 Causes serious eye irritation. 1319 Avoid breathing dust/fume/gas/mist/vapours/spray.	e substance or mixture th 29 CFR 1910 (OSHA HCS)
Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements. The product is classified and labeled in accordance with lazard pictograms Safety, health and environmental regulations/legislation specific for the GHS label elements. The product is classified and labeled in accordance with lazard pictograms Safety, health and environmental regulations/legislation specific for the GHS label elements. Safety, health and environmental regulations/legislation specific for the GHS label elements. Safety, health and environmental regulations. Safety, health and environmental regulations. Safety. Ca	e substance or mixture th 29 CFR 1910 (OSHA HCS)
Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements. The product is classified and labeled in accordance with lazard pictograms Signal word Warning Hazard statements H302+H312+H332 H312+H332 Harmful if swallowed, in contact with skin or if inhaled. H315 Causes skin irritation. Causes serious eye irritation. Precautionary statements 261 Avoid breathing dust/fume/gas/mist/vapours/spray. 280 Wear protective gloves/protective clothing/eye protection. 2305+P351+P338 IF INHALED: Remove victim to fresh air and keep at rest 2362 Take off contaminated clothing and wash before reuse.	e substance or mixture th 29 CFR 1910 (OSHA HCS)
Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements The product is classified and labeled in accordance with lazard pictograms Selection Signal word Warning Hazard statements 1302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled. 1315 Causes skin irritation. 1319 Causes serious eye irritation. 1319 Causes serious eye irritation. 13261 Avoid breathing dust/fume/gas/mist/vapours/spray. 2801 Wear protective gloves/protective clothing/eye protection. 2304+P340 IF IN EYES: Rinse cautiously with water for several minu. 2303 Wash contaminated clothing before reuse. 2363 Wash contaminated clothing before reuse. 2321 Specific measures (see on this label).	e substance or mixture th 29 CFR 1910 (OSHA HCS)
Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements. The product is classified and labeled in accordance with azard pictograms Safety, health and environmental regulations/legislation specific for the GHS label elements. The product is classified and labeled in accordance with azard pictograms Safety, health and environmental regulations/legislation specific for the GHS label elements. The product is classified and labeled in accordance with azard pictograms Safety, health and environmental regulations/legislation specific for the product is classified and labeled in accordance with azard pictograms Safety, health and environmental regulations/legislation specific for the product is classified and labeled in accordance with azard pictograms Safety, health and environmental regulations/legislation specific for the product is classified and labeled in accordance with a pictograms Safety, health and environmental regulations/legislation specific for the pictograms Safety, health and environments Safety, health and environments Safety, health and environments Causes serious eye irritation. Precautionary statements 261 Avoid breathing dust/fume/gas/mist/vapours/spray. 280 Wear protective gloves/protective clothing/eye protection. 2905+P351+P338 IF IN EYES: Rinse cautiously with water for several minut 304+P340 IF INHALED: Remove victim to fresh air and keep at rest 7362	e substance or mixture th 29 CFR 1910 (OSHA HCS) /face protection. ites. Remove contact lenses, if present and easy to do. Continue rinsing. in a position comfortable for breathing.
Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements The product is classified and labeled in accordance with lazard pictograms Stard statements 1302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled. 1315 Causes skin irritation. 1319 Causes serious eye irritation. 1319 Causes serious eye irritation. 13261 Avoid breathing dust/fume/gas/mist/vapours/spray. 280 Wear protective gloves/protective clothing/eye protection. 3304+P351+P338 IF IN EYES: Rinse cautiously with water for several minu: 3304+P340 IF INHALED: Remove victim to fresh air and keep at rest 2321 Specific measures (see on this label). 2322 Specific measures (see on this label). 2324+P313 If skin irritation occurs: Get medical advice/attention. 2321 Dispose of contents/container in accordance with local/re 2324 Dispose of contents/container in accordance with local/re 2304 Dispose	e substance or mixture th 29 CFR 1910 (OSHA HCS) /face protection. tes. Remove contact lenses, if present and easy to do. Continue rinsing. in a position comfortable for breathing.
Regulatory information Safety, health and environmental regulations/legislation specific for the BHS label elements The product is classified and labeled in accordance with lazard pictograms Support Signal word Warning Hazard statements 1302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled. 1315 Causes skin irritation. 1319 Causes serious eye irritation. 280 Wear protective gloves/protective clothing/eye protection. 281 Avoid breathing dust/fume/gas/mist/vapours/spray. 282 Wear protective gloves/protective clothing/eye protection. 283 Wash contaminated clothing before reuse. 283 Wash contaminated clothing before reuse. 283 Specific treatment (see on this label). 284 Specific treatment (see on this label). 285 Specific treatment (see on this label). 282 Specific treatment (see on this label). 283 Yash contaminated clothing before reuse. 281 Specific treatment (see on this label). 282 Specific treatment (see on this label). 283 Yash contaminated clothing before reuse. 284 Specific treatment (see on this label).	e substance or mixture th 29 CFR 1910 (OSHA HCS) //face protection. ttes. Remove contact lenses, if present and easy to do. Continue rinsing. in a position comfortable for breathing. egional/national/international regulations.
Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements The product is classified and labeled in accordance with lazard pictograms Image: Solution of Control of Contero of	e substance or mixture th 29 CFR 1910 (OSHA HCS) //face protection. tes. Remove contact lenses, if present and easy to do. Continue rinsing. in a position comfortable for breathing. egional/national/international regulations. Substances Control Act Chemical Substance Inventory. Use of this product is restruunder the supervision of a technically qualified individual as defined by TSCA. This nmercial purposes.
Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements The product is classified and labeled in accordance with lazard pictograms Start in the product is classified and labeled in accordance with lazard pictograms Start in the product is classified and labeled in accordance with lazard pictograms Start in the product is classified and labeled in accordance with lazard pictograms Start in the product is classified and labeled in accordance with lazard pictograms Start in the product is classified and labeled in accordance with lazard pictograms Start in the product is classified and labeled in accordance with lazard pictograms Start in the product is classified and labeled in accordance with lazard pictograms Start in the product is classified and labeled in accordance with lazard pictograms Start in the product is classified and labeled in accordance with lazard pictograms Start in the product is not listed in the U.S. Environmental Protection Agency Toxic product is not listed in the U.S. Environmental Protection Agency Toxic product is not listed in the Canadian Domestic Substances List (DSL) of ARA Section 313 (specific toxic chemical listings) Substance is not listed in the Canadian Domestic Substance is not liste	e substance or mixture th 29 CFR 1910 (OSHA HCS) //face protection. tes. Remove contact lenses, if present and easy to do. Continue rinsing. in a position comfortable for breathing. egional/national/international regulations. Substances Control Act Chemical Substance Inventory. Use of this product is restru under the supervision of a technically qualified individual as defined by TSCA. This mercial purposes.
Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements The product is classified and labeled in accordance with lazard pictograms Image: Solution of the product is classified and labeled in accordance with lazard pictograms Image: Solution of the product is classified and labeled in accordance with lazard pictograms Image: Solution of the product is classified and labeled in accordance with lazard pictograms Image: Solution of the pictor of the product is classified and labeled in accordance with lazard pictograms Image: Solution of the pictor of the pic	e substance or mixture th 29 CFR 1910 (OSHA HCS) /face protection. tes. Remove contact lenses, if present and easy to do. Continue rinsing. in a position comfortable for breathing. egional/national/international regulations. Substances Control Act Chemical Substance Inventory. Use of this product is restriunder the supervision of a technically qualified individual as defined by TSCA. This nmercial purposes. or the Canadian Non-Domestic Substances List (NDSL).
Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements The product is classified and labeled in accordance with lazard pictograms Solution Signal word Warning Hazard statements 1302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled. 1315 Causes skin irritation. 1319 Causes serious eye irritation. 1319 Causes serious eye irritation. 1319 Causes serious eye irritation. 13261 Avoid breathing dust/fume/gas/mist/vapours/spray. 1304+P340 IF IN EYES: Rinse cautiously with water for several minu. 1322 Specific measures (see on this label). 13332+P313	e substance or mixture th 29 CFR 1910 (OSHA HCS) /face protection. tes. Remove contact lenses, if present and easy to do. Continue rinsing. in a position comfortable for breathing. egional/national/international regulations. Substances Control Act Chemical Substance Inventory. Use of this product is restri under the supervision of a technically qualified individual as defined by TSCA. This nmercial purposes. or the Canadian Non-Domestic Substances List (NDSL). ed.
Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements. The product is classified and labeled in accordance with lazard pictograms Image: Statements of the product is classified and labeled in accordance with lazard pictograms Image: Statements of the product is classified and labeled in accordance with lazard pictograms Image: Statements of the product is classified and labeled in accordance with lazard statements Signal word Warning lazard statements Signal word Warning lazard statements Signal word statements Signal word statements Causes serious eye irritation. Precautionary statements Page: Protective gloves/protective clothing/eye protection. Precautionary statements Page: Page: Physical protective gloves/protective clothing/eye protection. Precautionary statements Page: Page: Physical protective gloves/protective clothing/eye protection. Protective gloves/protective clothing/eyee protection. Protective gloves/protective clothing/eye protection. Precautionary statements Page: Page: Physical protective gloves/protective clothing/eye protection. Page: Page: Physical protective gloves/protective clothing/eye protection. Page: Page: Physical protective gloves/protectime of thesh air and keep at rest	e substance or mixture th 29 CFR 1910 (OSHA HCS) /face protection. tes. Remove contact lenses, if present and easy to do. Continue rinsing. in a position comfortable for breathing. egional/national/international regulations. : Substances Control Act Chemical Substance Inventory. Use of this product is restri under the supervision of a technically qualified individual as defined by TSCA. This immercial purposes. or the Canadian Non-Domestic Substances List (NDSL). ed.
Regulatory information Safety, health and environmental regulations/legislation specific for the SHS label elements The product is classified and labeled in accordance with lazard pictograms Image: Strange Stran	e substance or mixture th 29 CFR 1910 (OSHA HCS) /face protection. tes. Remove contact lenses, if present and easy to do. Continue rinsing. in a position comfortable for breathing. egional/national/international regulations. Substances Control Act Chemical Substance Inventory. Use of this product is restri under the supervision of a technically qualified individual as defined by TSCA. This nmercial purposes. or the Canadian Non-Domestic Substances List (NDSL). ed. Individuals.
Regulatory information Safety, health and environmental regulations/legislation specific for the SHS label elements The product is classified and labeled in accordance with lazard pictograms Signal word Warning fazard statements 1302+H312+H322 Harmful if swallowed, in contact with skin or if inhaled. 1315 Causes skin irritation. 1319 Causes skin viritation. 1319 Causes serious eye irritation. 1319 Causes serious eye irritation. 1319 Causes serious eye irritation. 1319 Precautionary statements 1302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled. 1319 Causes serious eye irritation. 1319 Trecautionary statements 1320 Wear protective gloves/protective clothing/eye protection, 1320+P351+P338 IF IN EYES: Rinse cautiously with water for several minu 1320+P340 IF INHALED: Remove victim to fresh air and keep at rest 1322 Take off contaminated clothing and wash before reuse. 1321 Specific treatment (see on this label). 1322 Specific treatment see on this label). 1322 Specific treatment see on this label). 1322 Specific treatment exiscontainer in accordance with local/re 14501 Dispose of contents/container in accordance with local/re 1501 Dispose of contents/container in accordance with local/re 1501 Dispose of contentical purposes or in formulations for con- 1515 product is not listed on the Canadian Domestic Substance List (DSL) of 1526ARA Section 313 (specific toxic chemical listings) Substance is not listed. 1507 Po 65 - Developmental toxicity, male Substance is not listed. 1507 Po 65 - Developmental toxicity, male Substance is not listed. 1507 Po 65 - Developmental toxicity, male Substance is not listed. 1507 Po 65 - Developmental toxicity, male Substance is not listed. 1507 Po 65 - Development	e substance or mixture th 29 CFR 1910 (OSHA HCS) /face protection. tes. Remove contact lenses, if present and easy to do. Continue rinsing. in a position comfortable for breathing. egional/national/international regulations. Substances Control Act Chemical Substance Inventory. Use of this product is restri under the supervision of a technically qualified individual as defined by TSCA. This nmercial purposes. or the Canadian Non-Domestic Substances List (NDSL). ed. Individuals.
Regulatory information Safety, health and environmental regulations/legislation specific for the product is classified and labeled in accordance with a cord pictograms She label elements The product is classified and labeled in accordance with a cord pictograms Softaard pictograms Softaard pictograms Softaard pictograms Signal word Warning lazard statements 1302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled. 1315 Causes serious eye irritation. 1319 Causes serious eye irritation. 7280 Wear protective gloves/protective clothing/eye protection. 7305+P351+P338 IF IN EYES: Rinse cautiously with water for several minu 7304+P340 IF INHALED: Remove victim to fresh air and keep at rest 732 Specific treatment (see on this label). 732 Specific treatment (see on this label). 732 Specific treatment sector medical advice/attention. 7311 If skin irritation occurs: Get medical advice/attention. 732 Specific toxic chemical purposes or in formulations for conthis label). 732 Specific toxic chemical purposes or in formulations for conthis product must not be used for commercial purposes or in formulations for conthis product must not be used for commercial purposes or in formulations for conthis product is not listed on the Canadia	e substance or mixture th 29 CFR 1910 (OSHA HCS) //ace protection. ttes. Remove contact lenses, if present and easy to do. Continue rinsing. in a position comfortable for breathing. egional/national/international regulations. Substances Control Act Chemical Substance Inventory. Use of this product is restri under the supervision of a technically qualified individual as defined by TSCA. This mmercial purposes. or the Canadian Non-Domestic Substances List (NDSL). ed. ulations (EC) No. 1907/2006. Substance is not listed. f the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on Substance is not listed.

Product name: 5-Fluoro-2-methoxyphenylacetonitrile

Page 5/5 Printing date 09/26/2016 Revision date 09/23/2016

(Contd. of page 4)

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. conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the use Department issuing SDS: Global Marketing Department Date of preparation / last revision 09/26/2016 / - 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) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport association CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent LD50: Lethal concent and yery Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Safety and Health Administration (USA) NTP: National Toxicology Program (USA) EPEA: Environmental Protection Agency (USA) EPEA: Environmental Protection Agency (USA) Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

USA