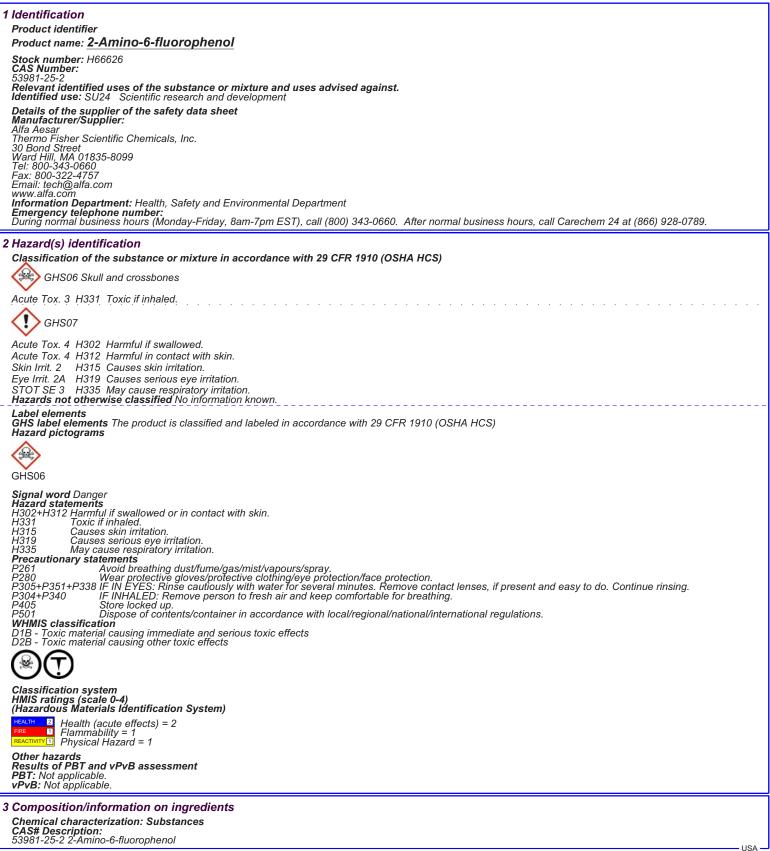


#### Safety Data Sheet per OSHA HazCom 2012



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4 First-aid measures	
Description of first aid measures After inhalation	
Supply fresh air. If required, provide artificial respiration. Keep patient warm. 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 No further relevant information available.	
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.	
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)	
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	
<b>Environmental precautions:</b> 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.	
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: Store in freezer (-20 °C). Information about storage in one common storage facility:	
Protect from heat. Store away from oxidizing agents.	
Further information about storage conditions: Keep container tightly sealed. 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 eves 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 arresting equipment with the Pd(00 (USA) or PD (EU (14)) performed to the performed to the performed to the	
Recommended filter device for short term use: Use a respirator with two P100 (USA) or P3 (EN 143) cartridges as a backup to engineering controls. Pick assessment should be performed to d	otormino if air-
Use a respirator with type P100 (USA) or P3 (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to d purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards. Protection of bande:	eterrinine II all-
Protection of hands: Impervious gloves Check protective gloves prior to each use for their proper condition	
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.	USA —
	(Contd on page 3)

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		(Contd. of page 2)
9 Physical and chemical properties		
Information on basic physical and che		
General Information Appearance:		
Éorm: Odor:	Solid Not determined	
Odor threshold:	Not determined.	
pH-value:	Not applicable.	
Change in condition	Net determined	
Melting point/Melting range: Boiling point/Boiling range:	Not determined Not determined	
Sublimation temperature / start: Flammability (solid, gaseous)	Not determined Not determined.	
Ignition temperature:	Not determined	
Decomposition temperature: Auto igniting:	Not determined Not determined.	
Danger of explosion:	Not determined.	
Explosion limits: Lower:	Not determined	
Upper:	Not determined	
Vapor pressure: Density:	Not applicable. Not determined	
Density: Relative density Vapor density	Not determined. Not applicable.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with Water:	Not determined	
Partition coefficient (n-octanol/water):		
Viscosity: dynamic:	Not applicable.	
kinematic: Other information	Not applicable. No further relevant information available.	
10 Stability and reactivity		
Thermal decomposition / conditions to Possibility of hazardous reactions Re- Conditions to avoid No further relevant Incompatible materials: Oxidizing agents Heat Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen fluoride Nitrogen oxides	nended storage conditions. o be avoided: Decomposition will not occur if used and stored according to specifications. acts with strong oxidizing agents information available.	
Reproductive toxicity: 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:	in irritation. rious eye irritation. wm. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. n. <b>- repeated exposure:</b> No effects known. <b>- single exposure:</b> May cause respiratory irritation.	
12 Ecological information		
Toxicity Aquatic toxicity: No further relevant infor Persistence and degradability No furth Bioaccumulative potential No further re Mobility in soil No further relevant inforn Additional ecological information: General notes: Do not allow undiluted product or large q Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further releva	er relevant information available. elevant information available. mation available. quantities to reach ground water, water course or sewage system. t	
13 Disposal considerations Waste treatment methods Recommendation Consult state, local o	or national regulations to ensure proper disposal.	

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### Uncleaned packagings:

14 Transport information UN-Number	
DOT, IMDG, IATA	UN2811
UN proper shipping name DOT IMDG, IATA	Toxic solids, organic, n.o.s. (2-Amino-6-fluorophenol) TOXIC SOLID, ORGANIC, N.O.S. (2-Amino-6-fluorophenol)
Transport hazard class(es)	
DOT	
TORC	
Class	6.1 Toxic substances.
Label Class	6.1 6.1 (T2) Toxic substances
Label IMDG, IATA	6.1
$\langle $	
Class Label	6.1 Toxic substances. 6.1
Packing group DOT, IMDG, IATA	<i>III</i>
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Toxic substances
Transport in bulk according to Annex II of MARPOL	73/78 and the IBC Code Not applicable.
Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
UN "Model Regulation":	UN2811, Toxic solids, organic, n.o.s. (2-Amino-6-fluorophenol), 6.1, III
Signal word Danger	
Hazard statements H302+H312 Harmful if swallowed or in contact with skin H331 Toxic if inhaled.	n.
Hazard statements   H302+H312 Harmful if swallowed or in contact with skin   H331 Toxic if inhaled.   H315 Causes skin irritation.   H319 Causes serious eye irritation.   H335 May cause respiratory irritation.   Precautionary statements P261   P261 Avoid breathing dust/fume/gas/mist/A   P280 Wear protective gloves/protective clo   P305+P351+P338 IF IN EYES: Rinse cautiously with with the reading of the state o	vapours/spray. othing/eye protection/face protection. ater for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. sh air and keep comfortable for breathing.
Hazard statements   H302+H312 Harmful if swallowed or in contact with skin   H3131 Toxic if inhaled.   H315 Causes skin irritation.   H315 Causes serious eye irritation.   H319 Causes serious eye irritation.   H335 May cause respiratory irritation.   Precautionary statements   P261 Avoid breathing dust/fume/gas/mist//   P280 Wear protective gloves/protective clo   P305+P351+P338 IF IN EYES: Rinse cautiously with with   P304+P340 IF INHALED: Remove person to fress   P405 Store locked up.   P501 Dispose of contents/container in accomptote the component of the second and development only. This product is not listed in the U.S. Environmental Protect or research and development only. This product must be product must not be used for commercial purposes or in	vapours/spray. othing/eye protection/face protection. ater for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. h air and keep comfortable for breathing. ordance with local/regional/national/international regulations. rection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted e used by or directly under the supervision of a technically qualified individual as defined by TSCA. This formulations for commercial purposes.
Hazard statements   H302+H312 Harmful if swallowed or in contact with skin   H3131 Toxic if inhaled.   H315 Causes skin irritation.   H317 Causes skin irritation.   H319 Causes serious eye irritation.   H335 May cause respiratory irritation.   P261 Avoid breathing dust/fume/gas/mist/v   P280 Wear protective gloves/protective cloves/protective cloves/protective cloves/protective gloves/protective cloves/pasterille.   P305+P351+P338 IF IN EYES: Rinse cautiously with we   P304+P340 IF INHALED: Remove person to fress   P405 Store locked up.   P501 Dispose of contents/container in accordiations   This product is not listed in the U.S. Environmental Protect to research and development only. This product must be product must not be used for commercial purposes or in This product is not listed on the Canadian Domestic Sub SARA Section 313 (specific toxic chemical listings) California Proposition 65   Prop 65 - Chemicals known to cause cancer Substant	vapours/spray. othing/eye protection/face protection. ater for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. sordance with local/regional/national/international regulations. rection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted e used by or directly under the supervision of a technically qualified individual as defined by TSCA. This formulations for commercial purposes. bstances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). Substance is not listed.
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Hazard statements   H302+H312 Harmful if swallowed or in contact with skin   H313 Toxic if inhaled.   H315 Causes skin irritation.   H319 Causes serious eye irritation.   H319 Causes serious eye irritation.   H319 Causes protective gloves/protective clopes/protective gloves/protective clopes/protective clopes/protective clopes/protective gloves/protective gloves/protective clopes/protective gloves/protective gloves/protective clopes/protective gloves/protective gloves/	vapours/spray. othing/eye protection/face protection. ater for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. th air and keep comfortable for breathing. ordance with local/regional/national/international regulations. rection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted e used by or directly under the supervision of a technically qualified individual as defined by TSCA. This normulations for commercial purposes. bstances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). Substance is not listed. red. is not listed. red. is not listed. echnically qualified individuals. tions to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. To mer XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the thorisation for use) Substance is not listed.
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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 Transportation IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Information System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent US0: Lethal concentration, 50 percent VPWE very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IATA: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)

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USA