



Page 1/5 Printing date 07/25/2018 Revision date 07/24/2018 Version 1

	Version 1
1 Identification	
Product identifier	
Product name: Ammonium fluoride, ACS	
Stock number: 11568 CAS Number: 12125-01-8 EC number: 235-185-9 Index number: 009-006-00-8 Relevant identified uses of the substance or mixture and uses advised against. No further relevant information available. 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 Ward Hill, MA 01835-8099 Tel: 800-322-4757 Fax: 800-322-4757 Email: tech@alfa.com www.alfa.com www.alfa.com unformation 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) 928-0	789.
2 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
GHS06 Skull and crossbones	
Acute Tox. 3 H301 Toxic if swallowed. Acute Tox. 3 H311 Toxic in contact with skin. Acute Tox. 3 H331 Toxic if inhaled. 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	
GHS06	
Signal word Danger Hazard statements H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapors/spray P280 Wear protective gloves / protective clothing. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification D1B - Toxic material causing immediate and serious toxic effects	
Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Health (acute effects) = 2 HEE 0 Flammability = 0 REACTIVITY Physical Hazard = 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: 12125-01-8 Ammonium fluoride Concentration: ≤100% Identification number(s): EC number: 235-185-9 Index number: 009-006-00-8	
4 First-aid measures Description of first aid measures General information Immediately remove any clothing soiled by the product.	
	(Contd. on page 2) USA



Product name: Ammonium fluoride, ACS

Product hame. Ammonium huonue, ACS	
Remove breathing apparatus only after contaminated clothing has been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration.	(Contd. of page 1)
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. Sock immediate mediate mediate	
Seek immédiate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Do not induce vomiting; immediately call for medical help.	
Information for doctor Most important symptoms and effects, both acute and delayed Toxic in contact with skin.	
Toxic if inhaled. Toxic if swallowed. Indication of any immediate medical attention and special treatment needed No further relevant information available.	
5 Fire-fighting measures	
Extinguishing media	
Suitable extinguishing agents Product is not flammable. Use fire-fighting measures that suit the surrounding fire. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released:	
Hydrogen fluoride (HF) Nitrogen oxides (NOx)	
Ammonia Advice for firefighters Protective equipment:	
Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	
6 Accidental release measures	
o Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.	
Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation	
Ensure adequate ventilation Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. 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 Secondary for information on secondary hazards.	
Reference to other sections See Section 7 for information on safe handling	
See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information.	
Protective Action Criteria for Chemicals PAC-1: 15 mg/m3 PAC-2: 160 mg/m3	
PAC-2: 160 mg/m3 PAC-3: 980 mg/m3	
7 Handling and storage	
Handling Precautions for safe handling	
Handle under dry protective das	
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: The product is not flammable	
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 water/moisture.	
Store away from oxidizing agents. Further information about storage conditions:	
Store under dry inert gas. This product is hygroscopic.	
Keep container tightly sealed. Store in cool, dry conditions in well sealed containers.	
Protect from humidity and water. 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: 12125-01-8 Ammonium fluoride (100.0%)	
PEL (USA) Long-term value: 2.5 mg/m ³ as F	
REL (USA) Long-term value: 2.5 mg/m ³ as F	
TLV (USA) Long-term value: 2.5 mg/m ³ as F, BEI	
EL (Canada) Long-term value: 2.5 mg/m³ as F	
	(Contd. on page 3) USA

Product name: Ammonium fluoride, ACS

Ingradiante with high signal limiters	(Contd. of page
Ingredients with biological limit valu 12125-01-8 Ammonium fluoride (100	
BEI (USA) 2 mg/L	J.U /0j
Medium: urine	
Time: prior to shift	around popeporific)
Parameter: Fluoride (backg	grouna, nonspecinc)
3 mg/L	
Medium: urine	
Time: end of shift Parameter: Fluoride (backg	around nonspecific)
Additional information: No data	ground, nonspoondy
Exposure controls	
Personal protective equipment	
General protective and hygienic me	asures
The usual precautionary measures for	r handling chemicals should be followed.
Keep away from foodstuffs, beverages Remove all soiled and contaminated c	s and reed.
Wash hands before breaks and at the	end of work.
Store protective clothing separately. Avoid contact with the eyes and skin.	
Maintain an ergonomically appropriate	e working environment.
Breathing equipment: Use self-conta	e working environment. ained respiratory protective device in emergency situations.
Recommended filter device for shor	rt term use: J or P2 (EN 142) optridage as a backup to opgingering controls. Bick assessment chould be performed to determine if air
purifying respirators are appropriate. (or P3 (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to determine if air- Only use equipment tested and approved under appropriate government standards.
Protection of hands:	
Impervious gloves	use for their proper condition
The selection of suitable gloves pot or	use for their proper condition. Ily depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.
Material of gloves Nitrile rubber, NBR	<u> </u>
Penetration time of glove material (i	in minutes) 480
Glove thickness: 0.11 mm	
Eye protection: Safety glasses with s	side shields / NIOSH (US) or EN 166(EU) thing.
Body protection. Frotective work clot	ining.
9 Physical and chemical propertie	es
Information on basic physical and c	
General Information	
Appearance:	On what Wan
Form: Odor:	Crystalline Odorless
Odor threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
Sublimation temperature / start: Flammability (solid, gaseous)	Not determined Not determined.
Ignition temperature:	Not determined
Decomposition temperature:	Not determined
Auto igniting:	Not determined.
Danger of explosion:	Not determined.
Explosion limits: Lower:	Not determined
Upper:	Not determined
Vapor pressure:	Not applicable.
Density at 20 °C (68 °F):	1.01 ġ/cm³ (8.428 lbs/gal)
Bulk density at 20 °C (68 °F):	260 kg/m ³
Relative density Vapor density	Not determined. Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water at 20 °C (68 °F):	820 g/l Soluble
Partition coefficient (n-octanol/wate	
Viscosity:	Not applicable. Not applicable.
dynamic:	
dynamic: kinematic:	
dynamic:	No further relevant information available.
dynamic: kinematic: Other information	
dynamic: kinematic: Other information 10 Stability and reactivity	
dynamic: kinematic: Other information 10 Stability and reactivity Reactivity No information known	No further relevant information available.
dynamic: kinematic: Other information 10 Stability and reactivity Reactivity No information known	No further relevant information available.
dynamic: kinematic: Other information 10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recor Thermal decomposition / conditions Possibility of hazardous reactions F	No further relevant information available. mmended storage conditions. s to be avoided: Decomposition will not occur if used and stored according to specifications. Reacts with strong oxidizing agents
dynamic: kinematic: Other information 10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recor Thermal decomposition / conditions Possibility of hazardous reactions F Conditions to avoid No further releva	No further relevant information available. mmended storage conditions. s to be avoided: Decomposition will not occur if used and stored according to specifications. Reacts with strong oxidizing agents
dynamic: kinematic: Other information 10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recor Thermal decomposition / conditions Possibility of hazardous reactions F Conditions to avoid No further releva Incompatible materials:	No further relevant information available. mmended storage conditions. s to be avoided: Decomposition will not occur if used and stored according to specifications. Reacts with strong oxidizing agents
dynamic: kinematic: Other information 10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recor Thermal decomposition / conditions Possibility of hazardous reactions F Conditions to avoid No further releva Incompatible materials:	No further relevant information available. mmended storage conditions. s to be avoided: Decomposition will not occur if used and stored according to specifications. Reacts with strong oxidizing agents
dynamic: kinematic: Other information Other information Stability and reactivity Reactivity No information known. Chemical stability Stable under recor Thermal decomposition / conditions Possibility of hazardous reactions R Conditions to avoid No further releva Incompatible materials: Oxidizing agents Water/moisture Hazardous decomposition products	No further relevant information available. mmended storage conditions. s to be avoided : Decomposition will not occur if used and stored according to specifications. Reacts with strong oxidizing agents ant information available.
dynamic: kinematic: Other information 10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recor Thermal decomposition / conditions Possibility of hazardous reactions F Conditions to avoid No further releva Incompatible materials: Oxidizing agents Water/moisture Hazardous decomposition products Hydrogen fluoride	No further relevant information available. mmended storage conditions. s to be avoided : Decomposition will not occur if used and stored according to specifications. Reacts with strong oxidizing agents ant information available.
dynamic: kinematic: Other information O Stability and reactivity Reactivity No information known. Chemical stability Stable under recor Thermal decomposition / conditions Possibility of hazardous reactions F Conditions to avoid No further releva Incompatible materials: Oxidizing agents Water/moisture Hazardous decomposition products	No further relevant information available. mmended storage conditions. s to be avoided : Decomposition will not occur if used and stored according to specifications. Reacts with strong oxidizing agents ant information available.

(Contd. on page 4)

Product name: Ammonium fluoride, ACS

(Contd. of page 3)

	(Contd. of page 3
1 Toxicological information	
Information on toxicological effects	
Acute toxicity: Toxic in contact with skin.	
Toxic if inhaled. Toxic if swallowed.	
Danger through skin absorption.	RTECS) contains couts toxicity data for this substance
The Registry of Toxic Effects of Chemical Substances (I LD/LC50 values that are relevant for classification: N	Vo data
Skin irritation or corrosion: May cause irritation Eye irritation or corrosion: May cause irritation	
Sensitization: No sensitizing effects known.	
Germ cell mutagenicity: No effects known. Carcinogenicity:	
ACGIH A4: Not classifiable as a human carcinogen: Ina	deguate data on which to classify the agent in terms of its carcinogenicity in humans and/or animals.
Reproductive toxicity: No effects known.	
Specific target organ system toxicity - repeated expo	
Specific target organ system toxicity - single expose Aspiration hazard: No effects known.	ure: No effects known.
Subacute to chronic toxicity: The Registry of Toxic Ef Additional toxicological information: To the best of o	fects of Chemical Substances (RTECS) contains multiple dose toxicity data for this substance. ur knowledge the acute and chronic toxicity of this substance is not fully known.
2 Ecological information	
Toxicity Aquatic toxicity: No further relevant information availal	ble.
Persistence and degradability No further relevant info. Bioaccumulative potential No further relevant information	rmation available
Mobility in soil No further relevant information available	9.
Additional ecological information: General notes:	
Do not allow material to be released to the environment Do not allow undiluted product or large quantities to read	without proper governmental permits. ch ground water, water course or sewage system
Avoid transfer into the environment.	ch ground water, water course of sewage system.
Results of PBT and vPvB assessment PBT: Not applicable.	
vPvB: Not applicable. Other adverse effects No further relevant information a	weileble
3 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regul	ations to ensure proper disposal
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary of	o official regulations.
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according t Recommended cleansing agent: Water, if necessary of 4 Transport information UN-Number	o official regulations. with cleansing agents.
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary of 4 Transport information UN-Number DOT, IMDG, IATA	o official regulations.
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according t Recommended cleansing agent: Water, if necessary w Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT	o official regulations. with cleansing agents. UN2505 Ammonium fluoride
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary of Transport information UN-Number DOT, IMDG, IATA UN proper shipping name	o official regulations. with cleansing agents. UN2505
Waste treatment methods Recommendation Consult state, local or national regul Uncleaned packagings: Recommendation: Disposal must be made according t Recommended cleansing agent: Water, if necessary of A Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT ADR	o official regulations. with cleansing agents. UN2505 Ammonium fluoride 2505 Ammonium fluoride
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according t Recommended cleansing agent: Water, if necessary we 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT ADR IMDG, IATA Transport hazard class(es) DOT	o official regulations. with cleansing agents. UN2505 Ammonium fluoride 2505 Ammonium fluoride
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary of 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT ADR IMDG, IATA Transport hazard class(es)	o official regulations. with cleansing agents. UN2505 Ammonium fluoride 2505 Ammonium fluoride
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary we 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT MDR IMDG, IATA Transport hazard class(es) DOT	o official regulations. with cleansing agents. UN2505 Ammonium fluoride 2505 Ammonium fluoride
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary we 4 Transport information UN-Number DOT, IMDG, IATA IVN proper shipping name DOT MDG, IATA Transport hazard class(es) DOT Class	6.1 Toxic substances
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary we 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT ADR IMDG, IATA Transport hazard class(es) DOT	o official regulations. with cleansing agents. UN2505 Ammonium fluoride 2505 Ammonium fluoride AMMONIUM FLUORIDE
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according t Recommended cleansing agent: Water, if necessary of Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT, ADR IMDG, IATA Transport hazard class(es) DOT Class Label	6.1 Toxic substances
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according t Recommended cleansing agent: Water, if necessary of 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT ADR IMDG, IATA Transport hazard class(es) DOT Class Label	6.1 Toxic substances
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary were 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT Class Label ADR Class Label Class	6.1 Toxic substances 6.1
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary of 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT ADR IMDG, IATA Transport hazard class(es) DOT Class Label Class Label Class Label	6.1 Toxic substances
Waste treatment methods Recommendation Consult state, local or national regul Uncleaned packagings: Recommendation: Disposal must be made according t Recommended cleansing agent: Water, if necessary we 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT MDG, IATA Class Label ADR Class Label ADR Class	6.1 Toxic substances 6.1
Waste treatment methods Recommendation Consult state, local or national regule Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary of 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT ADR IMDG, IATA Transport hazard class(es) DOT Class Label Class Label Class Label	6.1 Toxic substances 6.1
Waste treatment methods Recommendation Consult state, local or national regul Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary we 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT MDG, IATA Transport hazard class(es) DOT Class Label ADR Class Label MDG, IATA Class Label MDG, IATA	o official regulations. with cleansing agents. UN2505 Ammonium fluoride 2505 Ammonium fluoride 2505 Ammonium fluoride AMMONIUM FLUORIDE 6.1 Toxic substances 6.1 6.1 (T5) Toxic substances 6.1
Waste treatment methods Recommendation Consult state, local or national regula Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary were 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT ADR IMDG, IATA Transport hazard class(es) DOT Class Label ADR Class Label Class Label	6.1 Toxic substances 6.1
Waste treatment methods Recommendation Consult state, local or national regula Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary of 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT ADR IMDG, IATA Transport hazard class(es) DOT Class Label ADR Class Label IMDG, IATA Class Label IMDG, IATA Class Label Class Label Class Label Packing group	o official regulations. with cleansing agents. UN2505 Ammonium fluoride 2505 Ammonium fluoride AMMONIUM FLUORIDE 6.1 Toxic substances 6.1 6.1 (T5) Toxic substances 6.1 6.1 Toxic substances 6.1
Waste treatment methods Recommendation Consult state, local or national regula Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary of 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT ADR IMDG, IATA Transport hazard class(es) DOT Class Label ADR Class Label IMDG, IATA Class Label IMDG, IATA	o official regulations. with cleansing agents. UN2505 Ammonium fluoride 2505 Ammonium fluoride 2505 Ammonium fluoride AMMONIUM FLUORIDE 6.1 Toxic substances 6.1 6.1 (T5) Toxic substances 6.1 6.1 Toxic substances
Waste treatment methods Recommendation Consult state, local or national regula Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary of 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT MDG, IATA Transport hazard class(es) DOT Class Label MDG, IATA Class Label IMDG, IATA Class Label Packing group DOT, ADR, IMDG, IATA Environmental hazards: Special precautions for user	o official regulations with cleansing agents. UN2505 Ammonium fluoride 2505 Ammonium fluoride AMMONIUM FLUORIDE 6.1 Toxic substances 6.1 6.1 (T5) Toxic substances 6.1 6.1 Toxic substances 6.1 II Not applicable. Warning: Toxic substances
Waste treatment methods Recommendation Consult state, local or national regula Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary of 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT ADR IMDG, IATA Transport hazard class(es) DOT Class Label ADR Class Label MDG, IATA Class Label MDG, IATA Class Label Packing group DOT, ADR, IMDG, IATA Environmental hazards: Special precautions for user EMS Number:	o official regulations with cleansing agents. UN2505 Ammonium fluoride 2505 Ammonium fluoride AMMONIUM FLUORIDE 6.1 Toxic substances 6.1 6.1 (T5) Toxic substances 6.1 6.1 Toxic substances 6.1 III Not applicable. Warning: Toxic substances F-A,S-A
Waste treatment methods Recommendation Consult state, local or national regula Uncleaned packagings: Recommendation: Disposal must be made according to Recommended cleansing agent: Water, if necessary of 4 Transport information UN-Number DOT, IMDG, IATA UN proper shipping name DOT MDG, IATA Transport hazard class(es) DOT Class Label MDG, IATA Class Label IMDG, IATA Class Label Packing group DOT, ADR, IMDG, IATA Environmental hazards: Special precautions for user	o official regulations with cleansing agents. UN2505 Ammonium fluoride 2505 Ammonium fluoride AMMONIUM FLUORIDE 6.1 Toxic substances 6.1 6.1 (T5) Toxic substances 6.1 11 Not applicable. Warning: Toxic substances



	Versic
oduct name: Ammonium fluoride, ACS	
	(Contd. of pag
Transport in bulk according to Annex II of MARPOL73/78 a	
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 100 kg
Hazardous substance:	On cargo aircraft only: 200 kg 100 lbs, 45.4 kg
Marine Pollutant (DOT):	No
IMDG Limited quantities (LQ)	E ka
Excepted quantities (EQ)	5 kg Code: E1
	Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
UN "Model Regulation":	UN 2505 AMMONIUM FLUORIDE, 6.1, III
Regulatory information	
Safety, health and environmental regulations/legislation sp	ecific for the substance or mixture
GHS label elements The product is classified and labeled in a	cordance with 29 CFR 1910 (OSHA HCS)
Hazard pictograms	
CHSOG	
GHS06	
Signal word Danger Hazard statements	
H301+H311+H331 Toxic if swallowed, in contact with skin or if	inhaled.
Procentionery statements	
P261 Avoid breathing dust/fume/gas/mist/vapors/spray P280 Wear protective gloves / protective clothing. P301+P310 IF SWALLOWED: Immediately call a POISON CEI P304+P340 IF INHALED: Remove person to fresh air and keep P405 Store backed up	
P301+P310 IF SWALLOWED: Immediately call a POISON CEI	ITER/ doctor.
P304+P340 IF INHALED: Remove person to fresh air and keep P405 Store locked up.	comfortable for breathing.
P501 Dispose of contents/container in accordance with l	ocal/regional/national/international regulations.
National regulations	atal Protection Agancy Toxic Substances Control Act Chemical substance Inventory
All components of this product are listed in the C.S. Environment All components of this product are listed on the Canadian Dome	ntal Protection Agency Toxic Substances Control Act Chemical substance Inventory. estic Substances List (DSL).
SARA Section 313 (specific toxic chemical listings)	
12125-01-8 Ammonium fluoride	
California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is no	nt listed
Prop 65 - Developmental toxicity Substance is not listed.	
Prop 65 - Developmental toxicity, female Substance is not list	ted.
Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed Information about limitation of use: For use only by technica Other resultations imitations and prohibiting resultations	a. Ilv aualified individuals.
Other regulations, limitations and prohibitive regulations	
Substance of Very High Concern (SVHC) according to the P The conditions of restrictions according to Article 67 and A	REACH Regulations (EC) No. 1907/2006. Substance is not listed. nnex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on t
market and use must be observed.	
Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisat	ion for use) Substance is not listed
Chemical safety assessment: A Chemical Safety Assessmen	t has not been carried out.
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 sat	ety of employees." This information is furnished without warranty, and any use of the product not i n any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Department Date of preparation/Revision: Print date, revision date and ve	rsion number are in the header of each page.
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	
IATA: International Air Transport Association	
CAS: Chemical Abstracts Service (division of the American Chemical Society)	
WHMIS: Workplace Hazardous Materials Information System (Canada)	
LOSO: Lethal concentration, so percent LDSO: Lethal dose, 50 percent	
SVHC: Substances of Very High Concern	
vPvB: very Persistent and very Bioaccumulative	
ACGIH: American Conference of Governmental Industrial Hygienists (USA)	
ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA)	
Date of preparation/Revision: Print date, revision date and ver Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport disson for the American Chemical Substances 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 DBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern YPVB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Satety and Health Administration (USA) MTP: National Toxicology Program (USA) IARC: International Protection Agency (USA) Accute Tox. 3: Acute toxicity – Category 3	