

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 12/04/2014 Version: 1.0

SECTION 4. Identifie

SECTION 1: Identification of the su	bstance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Substance
Trade name	: TRIFLUOROACETIC ACID
CAS No	: 76-05-1
Product code	: AB02010
Formula	: C2HF3O2
1.2. Relevant identified uses of the sub	stance or mixture and uses advised against
Use of the substance/mixture	: Laboratory chemical Chemical substance for research
1.3. Details of the supplier of the safety	r data sheet
AmericanBio, Inc. 15 Erie Dr. Natick, MA 01760 - USA T 800.443.0600 - F 508.655.2754 info@americanbio.com	<u>1</u>
1.4. Emergency telephone number	
Emergency number	: 855.835.2572 (U.S.) :: 760.602.8703 (Outside U.S.)
SECTION 2: Hazards identification	
2.1. Classification of the substance or l	mixture
Classification (GHS-US)	
Acute Tox. 4 (Inhalation:dust,mist)H332Skin Corr. 1AH314Aquatic Chronic 3H412	
2.2. Label elements	

GHS-US labeling

Hazard pictograms (GHS-US)	CHS05 CHS07
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H314 - Causes severe skin burns and eye damage H332 - Harmful if inhaled H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (GHS-US)	 P260 - Do not breathe fume, mist, spray, vapors P261 - Avoid breathing fume, mist, spray, vapors P264 - Wash hands, forearms and face thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P273 - Avoid release to the environment P280 - Wear eye protection, protective clothing, protective gloves, face protection P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call a POISON CENTER or doctor/physician P312 - Call a POISON CENTER/doctor/physician if you feel unwell P321 - Specific treatment (see SECTION 4 on this label) P363 - Wash contaminated clothing before reuse P405 - Store locked up P501 - Dispose of contents/container to Local/Federal regulations

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.3. Other hazards			
No additional information available			
2.4. Unknown acute toxicity (GHS-US)			
No data available			
SECTION 3: Composition/information	on ingredients		
3.1. Substance			
Name	Product identifier	%	Classification (GHS-US)
TRIFLUOROACETIC ACID (Main constituent)	(CAS No) 76-05-1	100	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1A, H314 Aquatic Chronic 3, H412
Full text of H-phrases: see section 16			
3.2. Mixture			
Not applicable			
SECTION 4: First aid measures			
4.1. Description of first aid measures			
First-aid measures general	: Check the vital functions. Unconscious arrest: artificial respiration or oxygen. laboured breathing: half-seated. Victin prevent asphyxia/aspiration pneumon Keep watching the victim. Give psych Depending on the victim's condition: d unconscious person. If you feel unwel	Cardiac arrest: perfo n in shock: on his bac ia. Prevent cooling by ological aid. Keep the loctor/hospital. Never	rm resuscitation. Victim conscious wit ck with legs slightly raised. Vomiting: y covering the victim (no warming up). e victim calm, avoid physical strain. r give anything by mouth to an
First-aid measures after inhalation	: Remove the victim into fresh air. Imme air and keep at rest in a position comf CENTER/doctor/physician if you feel u doctor/physician.	ortable for breathing.	Call a POISON
First-aid measures after skin contact	: Wash immediately with lots of water (agents. Remove clothing while washir wounds with sterile bandage. Consult victim to hospital. Remove/Take off im water/shower. Immediately call a POIS	ng. Do not remove clo a doctor/medical ser mediately all contar	othing if it sticks to the skin. Cover vice. If burned surface > 10%: take ninated clothing. Rinse skin with
First-aid measures after eye contact	 Rinse immediately with plenty of wate neutralizing agents. Take victim to an minutes. Remove contact lenses, if pr POISON CENTER or doctor/physiciar 	ophthalmologist. Rin esent and easy to do	se cautiously with water for several
First-aid measures after ingestion	: Rinse mouth with water. Immediately vomiting. Do not give activated charce doctor/medical service. Call Poison In large quantities: immediately to hospit mouth. Do NOT induce vomiting. Imm	bal. Do not give chem formation Centre (wv al. Take the containe	nical antidote. Immediately consult a vw.big.be/antigif.htm). Ingestion of er/vomit to the doctor/hospital. Rinse
4.2. Most important symptoms and effect	s, both acute and delayed		
Symptoms/injuries	: Causes severe skin burns and eye da	0	
Symptoms/injuries after inhalation	: Corrosion of the upper respiratory trac MAY APPEAR LATER: Respiratory di Risk of pneumonia. Risk of lung oeder exposure through inhalation. Harmful	fficulties. Possible in ma. Danger of seriou	flammation of the respiratory tract.
Symptoms/injuries after skin contact	: Caustic burns/corrosion of the skin.		
Symptoms/injuries after eye contact	: Corrosion of the eye tissue.		
Symptoms/injuries after ingestion	: Difficulty in swallowing. Possible esop Shock. Disturbances of consciousnes		Burns to the gastric/intestinal mucosa.
Chronic symptoms	: ON CONTINUOUS/REPEATED EXPO of the respiratory tract. Nosebleeding.		Dry/sore throat. Possible inflammation

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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SECTION 5: Firefighting measures	
5.1. Extinguishing media	
suitable extinguishing media	: EXTINGUISHING MEDIA FOR SURROUNDING FIRES: All extinguishing media allowed. Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: No unsuitable extinguishing media known. Do not use a heavy water stream.
5.2. Special hazards arising from the su	ibstance or mixture
Fire hazard	: DIRECT FIRE HAZARD. Non combustible.
Explosion hazard	 DIRECT EXPLOSION HAZARD. No data available on direct explosion hazard. INDIRECT EXPLOSION HAZARD. No data available on indirect explosion hazard.
Reactivity	Reacts in moist air: release of corrosive mist. Reacts on exposure to water (moisture) with (some) metals. Decomposes on exposure to temperature rise: release of toxic and corrosive gases/vapours (hydrofluoric acid). On burning: release of toxic and corrosive gases/vapours (hydrofluoric acid, carbon monoxide - carbon dioxide). Reacts with (some) acids: release of (highly) toxic gases/vapours. Violent exothermic reaction with (some) bases. Thermal decomposition generates : Corrosive vapors.
5.3. Advice for firefighters	
Firefighting instructions	: Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. Dilute toxic gases with water spray. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release mea	Isures
6.1. Personal precautions, protective ed	quipment and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment	: Gas-tight suit. Corrosion-proof suit.
Emergency procedures	: Keep upwind. Mark the danger area. Consider evacuation. Seal off low-lying areas. Close doors and windows of adjacent premises. No naked flames. Corrosion-proof appliances. Keep containers closed. Wash contaminated clothes. Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent soil and water pollution. Prevent spreading in sewers. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3.	Methods and material for containm	ent and cleaning up
For co	ontainment	Contain released substance, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Dilute toxic gases/vapours with water spray. Take account of toxic/corrosive precipitation water.
Metho	ds for cleaning up	: Prevent evaporation by covering with: sand, earth, vermiculite. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Carefully collect the spill/leftovers. Damaged/cooled tanks must be emptied. Take collected spill to manufacturer/competent authority. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
0.4		

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Use corrosionproof equipment. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Keep away from naked flames/heat. Observe very strict hygiene - avoid contact. Keep container tightly closed. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Use only outdoors or in a well-ventilated area. Avoid breathing fumes/gas/mist/vapours/spray. Do not breathe fumes/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing.
Hygiene measures	: Wash hands and other exposed areas thoroughly after handling.
7.2. Conditions for safe storage, includin	g any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use.
Incompatible products	: Strong bases. strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.
Heat-ignition	: KEEP SUBSTANCE AWAY FROM: heat sources.
Prohibitions on mixed storage	: KEEP SUBSTANCE AWAY FROM: combustible materials. oxidizing agents. reducing agents. (strong) acids. (strong) bases. metals. amines. peroxides. water/moisture.
Storage area	: Store in a cool area. Store in a dry area. Store in a dark area. Ventilation at floor level. Keep locked up. Provide for a tub to collect spills. Keep only in the original container. Meet the legal requirements.
Special rules on packaging	: SPECIAL REQUIREMENTS: hermetical. dry. clean. opaque. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.
Packaging materials	: SUITABLE MATERIAL: synthetic material. steel with plastic inner lining. MATERIAL TO AVOID: metal.

7.3. Specific end use(s)

No additional i	information	available
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SECTION 8: Exposure c	ontrols/personal protection	
8.1. Control parameters		
TRIFLUOROACETIC ACID (7	6-05-1)	
USA ACGIH	ACGIH TWA (mg/m³)	2.5 mg/m ³
8.2. Exposure controls		
Personal protective equipment		
	: Avoid all unnecessary exposure.	
Materials for protective clothing	: GIVE GOOD RESISTANCE: butyl rul	bber. PVC. viton.
Hand protection	: Gloves. Wear protective gloves.	
Eye protection	: Chemical goggles or face shield. Safe	ety glasses.
Skin and body protection	: Head/neck protection. Corrosion-proc	of clothing. Wear suitable protective clothing.
Respiratory protection	: Gas mask with filter type B. High vap approved mask.	our/gas concentration: self-contained respirator. Wear
Other information	: When using, do not eat, drink or smo	ke.

SECTION 9: Physical and chemica	properties
9.1. Information on basic physical and	I chemical properties
Physical state	: Liquid
Appearance	: Liquid.
Molecular mass	: 114.02 g/mol
Color	: Colourless.
Odor	: Irritating/pungent odour.
Odor threshold	: No data available
pH	: 2 (10 %)
pH solution	: 10 %
Relative evaporation rate (butyl acetate=1)	: No data available

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Melting point	: -15 °C
Freezing point	: No data available
01	: 72 °C
Boiling point	-
Flash point	: Not applicable
Self ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: 140 hPa
Relative vapor density at 20 °C	: 3.9
Relative density	: 1.5
Relative density of saturated gas/air mixture	: 1.3
Density	: 1535 kg/m³
Solubility	 Soluble in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in tetrachloromethane. Soluble in methanol. Soluble in xylene. Soluble in petroleum spirit. Soluble in hexane. Water: Complete
Log Pow	: -4.1 - 0.325
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available
9.2. Other information	
Minimum ignition energy	: Not applicable
Saturation concentration	: 51 g/m³
VOC content	: 100 %
Other properties	: Gas/vapour heavier than air at 20°C. Clear. Hygroscopic. Producing fumes/mist. Volatile. Substance has acid reaction.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts in moist air: release of corrosive mist. Reacts on exposure to water (moisture) with (some) metals. Decomposes on exposure to temperature rise: release of toxic and corrosive gases/vapours (hydrofluoric acid). On burning: release of toxic and corrosive gases/vapours (hydrofluoric acid, carbon monoxide - carbon dioxide). Reacts with (some) acids: release of (highly) toxic gases/vapours. Violent exothermic reaction with (some) bases. Thermal decomposition generates : Corrosive vapors.

10.2.	Chemical stability			
Hygrosco	ppic. Not established.			
10.3.	Possibility of hazardous reactions			
Not estab	olished.			
10.4.	Conditions to avoid			
Direct su	nlight. Extremely high or low temperate	Jres.		
10.5.	Incompatible materials			
strong ac	ids. Strong bases.			
10.6.	Hazardous decomposition product	S		
		nal decomposition generates : Corrosive vapors.		
SECTIO	ON 11: Toxicological informa	tion		
11.1.	Information on toxicological effect	S		
Acute tox	icity	: Harmful if inhaled.		
Skin corr	osion/irritation	: Causes severe skin burns and eye damage. pH: 2 (10 %)		
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Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Serious eye damage/irritation	: Not classified
	pH: 2 (10 %)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met. Harmful if inhaled.
Symptoms/injuries after inhalation	: Corrosion of the upper respiratory tract. Dry/sore throat. Coughing. FOLLOWING SYMPTOMS MAY APPEAR LATER: Respiratory difficulties. Possible inflammation of the respiratory tract. Risk of pneumonia. Risk of lung oedema. Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.
Symptoms/injuries after skin contact	: Caustic burns/corrosion of the skin.
Symptoms/injuries after eye contact	: Corrosion of the eye tissue.
Symptoms/injuries after ingestion	: Difficulty in swallowing. Possible esophageal perforation. Burns to the gastric/intestinal mucosa. Shock. Disturbances of consciousness.
Chronic symptoms	: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Dry/sore throat. Possible inflammation of the respiratory tract. Nosebleeding.
SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - air	: TA-Luft Klasse 5.2.5/I.
6,	 TA-Luit Nasse 5.2.5/I. Water pollutant (surface water). Ground water pollutant. Maximum concentration in drinking water: 1.5 mg/l (fluoride) (Directive 98/83/EC). Not harmful to fishes (LC50(96h) >1000 mg/l). Harmful to invertebrates (Daphnia). Slightly harmful to algae (EC50 (72h): 100 - 1000 mg/l). pH shift. Harmful to aquatic life with long lasting effects.
6,	: Water pollutant (surface water). Ground water pollutant. Maximum concentration in drinking water: 1.5 mg/l (fluoride) (Directive 98/83/EC). Not harmful to fishes (LC50(96h) >1000 mg/l). Harmful to invertebrates (Daphnia). Slightly harmful to algae (EC50 (72h): 100 - 1000 mg/l). pH
Ecology - water	: Water pollutant (surface water). Ground water pollutant. Maximum concentration in drinking water: 1.5 mg/l (fluoride) (Directive 98/83/EC). Not harmful to fishes (LC50(96h) >1000 mg/l). Harmful to invertebrates (Daphnia). Slightly harmful to algae (EC50 (72h): 100 - 1000 mg/l). pH
Ecology - water TRIFLUOROACETIC ACID (76-05-1)	: Water pollutant (surface water). Ground water pollutant. Maximum concentration in drinking water: 1.5 mg/l (fluoride) (Directive 98/83/EC). Not harmful to fishes (LC50(96h) >1000 mg/l). Harmful to invertebrates (Daphnia). Slightly harmful to algae (EC50 (72h): 100 - 1000 mg/l). pH shift. Harmful to aquatic life with long lasting effects.
Ecology - water TRIFLUOROACETIC ACID (76-05-1) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1	 Water pollutant (surface water). Ground water pollutant. Maximum concentration in drinking water: 1.5 mg/l (fluoride) (Directive 98/83/EC). Not harmful to fishes (LC50(96h) >1000 mg/l). Harmful to invertebrates (Daphnia). Slightly harmful to algae (EC50 (72h): 100 - 1000 mg/l). pH shift. Harmful to aquatic life with long lasting effects. > 1200 mg/l (96 h; Brachydanio rerio; pH = 7) 55 mg/l (24 h; Daphnia magna) 160 mg/l (72 h; Selenastrum capricornutum)
Ecology - water TRIFLUOROACETIC ACID (76-05-1) LC50 fish 1 EC50 Daphnia 1	 Water pollutant (surface water). Ground water pollutant. Maximum concentration in drinking water: 1.5 mg/l (fluoride) (Directive 98/83/EC). Not harmful to fishes (LC50(96h) >1000 mg/l). Harmful to invertebrates (Daphnia). Slightly harmful to algae (EC50 (72h): 100 - 1000 mg/l). pH shift. Harmful to aquatic life with long lasting effects. > 1200 mg/l (96 h; Brachydanio rerio; pH = 7) 55 mg/l (24 h; Daphnia magna)
Ecology - water TRIFLUOROACETIC ACID (76-05-1) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1	 Water pollutant (surface water). Ground water pollutant. Maximum concentration in drinking water: 1.5 mg/l (fluoride) (Directive 98/83/EC). Not harmful to fishes (LC50(96h) >1000 mg/l). Harmful to invertebrates (Daphnia). Slightly harmful to algae (EC50 (72h): 100 - 1000 mg/l). pH shift. Harmful to aquatic life with long lasting effects. > 1200 mg/l (96 h; Brachydanio rerio; pH = 7) 55 mg/l (24 h; Daphnia magna) 160 mg/l (72 h; Selenastrum capricornutum)
TRIFLUOROACETIC ACID (76-05-1) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 Threshold limit algae 1	 Water pollutant (surface water). Ground water pollutant. Maximum concentration in drinking water: 1.5 mg/l (fluoride) (Directive 98/83/EC). Not harmful to fishes (LC50(96h) >1000 mg/l). Harmful to invertebrates (Daphnia). Slightly harmful to algae (EC50 (72h): 100 - 1000 mg/l). pH shift. Harmful to aquatic life with long lasting effects. > 1200 mg/l (96 h; Brachydanio rerio; pH = 7) 55 mg/l (24 h; Daphnia magna) 160 mg/l (72 h; Selenastrum capricornutum)
TRIFLUOROACETIC ACID (76-05-1) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 Threshold limit algae 1 12.2. Persistence and degradability	 Water pollutant (surface water). Ground water pollutant. Maximum concentration in drinking water: 1.5 mg/l (fluoride) (Directive 98/83/EC). Not harmful to fishes (LC50(96h) >1000 mg/l). Harmful to invertebrates (Daphnia). Slightly harmful to algae (EC50 (72h): 100 - 1000 mg/l). pH shift. Harmful to aquatic life with long lasting effects. > 1200 mg/l (96 h; Brachydanio rerio; pH = 7) 55 mg/l (24 h; Daphnia magna) 160 mg/l (72 h; Selenastrum capricornutum)

TRIFLUOROACETIC ACID (76-05-1)	
BCF fish 1	2 (Pisces)
Log Pow	-4.1 - 0.325
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500). Not established.

12.4. **Mobility in soil**

No additional information available

12.5. Other adverse effects

Other information

: Avoid release to the environment.

Safety Data Sheet

Satety Data Sheet ccording to Federal Register / Vol. 77, No. 58 / Monda	ay, March 26, 2012 / Rules and Regulations
SECTION 13: Disposal consideration	ons
13.1. Waste treatment methods	
Waste disposal recommendations	: Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Refer to manufacturer/supplier for information on recovery/ recycling. Dissolve or mix with a combustible solvent. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery. Use appropriate containment to avoid environmental contamination. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to Local/Federal regulations.
Additional information	: LWCA (the Netherlands): KGA category 06. Hazardous waste according to Directive 2008/98/EC.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	n
In accordance with DOT	
No dangerous good in sense of transport regul	lations
Additional information	
Other information	: No supplementary information available.
State during transport (ADR-RID)	: as liquid.
ADR	
Transport document description	: UN 2699, 8, I, (E)
Packing group (ADR)	: 1
Class (ADR)	: 8 - Corrosive substances
Hazard identification number (Kemler No.)	: 88
Classification code (ADR)	: C3
Danger labels (ADR)	: 8 - Corrosive substances
Orange plates	
Turnel metricules and	2699
Tunnel restriction code	: E
Fransport by sea	
JN-No. (IMDG)	: 2699
Class (IMDG)	: 8 - Corrosive substances
EmS-No. (1)	: F-A
EmS-No. (2)	: S-B
Air transport	
JN-No.(IATA)	: 2699
Class (IATA)	: 8 - Corrosives
Decking group(IATA)	· L. Crost Danger

: I - Great Danger

SECTION 15: Regulatory information
15.1. US Federal regulations
TRIFLUOROACETIC ACID (76-05-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Packing group (IATA)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Inhalation) H332 Skin Corr. 1A H314 Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Xn; R20 C; R35 R52/53

Full text of R-phrases: see section 16

15.2.2. National regulations

No additional information available

15.3. US State regulations				
	15.3. US State regulations			

TRIFLUOROAGETIC ACID(70-03-1)	
State or local regulations	U.S New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Other information

: None.

Full text of H-phrases: see section 16:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Skin Corr. 1A	Skin corrosion/irritation Category 1A
H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled
H412	Harmful to aquatic life with long lasting effects

NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.	0
NFPA fire hazard	: 0 - Materials that will not burn.	
NFPA reactivity	: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.	

SDS US (GHS HazCom 2012)

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