


# International Chemical Safety Cards

## FLUOROACETIC ACID

ICSC: 0274



alpha-Fluoroacetic acid  
 Monofluoroacetic acid  
 FAA  
 $C_2H_3FO_2$  /  $CH_2FCOOH$   
 Molecular mass: 78.0

ICSC # 0274  
 CAS # 144-49-0  
 RTECS # [AH5950000](#)  
 UN # 2642  
 EC # 607-081-00-7  
 March 13, 1995 Validated


TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
<b>FIRE</b>	Not combustible. Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: all extinguishing agents allowed.
<b>EXPLOSION</b>			
<b>EXPOSURE</b>		STRICT HYGIENE! AVOID ALL CONTACT!	IN ALL CASES CONSULT A DOCTOR!
<b>•INHALATION</b>	Cough. Laboured breathing. Nausea. Sore throat. Vomiting. Excessive salivation, numbness and tingling sensation. Symptoms may be delayed (see Notes). Arrhythmia.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest. Half-upright position. Artificial respiration may be needed. Refer for medical attention.
<b>•SKIN</b>	MAY BE ABSORBED! Redness. Serious skin burns. Pain.	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.
<b>•EYES</b>	Blurred vision. Severe deep burns.	Face shield or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>•INGESTION</b>	Abdominal pain. Convulsions	Do not eat, drink, or smoke	Rinse mouth. Induce

	(Further see Inhalation).	during work. Wash hands before eating.	vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.
<b>SPILLAGE DISPOSAL</b>	<b>STORAGE</b>		<b>PACKAGING &amp; LABELLING</b>
Evacuate danger area! Consult an expert! Sweep spilled substance into sealable containers. Do NOT wash away into sewer. Carefully collect remainder, then remove to safe place. Personal protection: complete protective clothing including self-contained breathing apparatus.	Separated from food and feedstuffs . Keep in a well-ventilated room.		Airtight. Unbreakable packaging; put breakable packaging into closed unbreakable container. Do not transport with food and feedstuffs. T+ symbol N symbol R: 28-50 S: 1/2-20-22-26-45-61 UN Hazard Class: 6.1 UN Packing Group: I
<b>SEE IMPORTANT INFORMATION ON BACK</b>			
<b>ICSC: 0274</b>	Prepared in the context of cooperation between the International Programme on Chemical Safety & the Commission of the European Communities (C) IPCS CEC 1994. No modifications to the International version have been made except to add the OSHA PELs, NIOSH RELs and NIOSH IDLH values.		

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**FLUOROACETIC ACID**

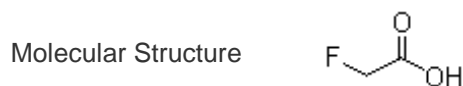
**ICSC: 0274**

<b>PHYSICAL PROPERTIES</b>	Boiling point: 165°C Melting point: 35.2°C Relative density (water = 1): 1.37	Solubility in water: soluble Octanol/water partition coefficient as log Pow: -0.061 (est.)
<b>ENVIRONMENTAL DATA</b>		This substance may be hazardous to the environment; special attention should be given to mammals.
<b>NOTES</b>		
The symptoms of central nervous system, cardiac, and renal failure do not become manifest until a few hours have passed. Specific treatment is necessary in case of poisoning with this substance; the appropriate means with instructions must be available. Card has been partly updated in October 2004. See sections Occupational Exposure Limits, EU classification, Emergency Response. Transport Emergency Card: TEC (R)-61GT2-I		
<b>ADDITIONAL INFORMATION</b>		
<b>ICSC: 0274 FLUOROACETIC ACID</b>		

<b>IMPORTANT LEGAL NOTICE:</b>	Neither NIOSH, the CEC or the IPCS nor any person acting on behalf of NIOSH, the CEC or the IPCS is responsible for the use which might be made of this information. This card contains the collective views of the IPCS Peer Review Committee and may not reflect in all cases all the detailed requirements included in national legislation on the subject. The user should verify compliance of the cards with the relevant legislation in the country of use. The only modifications made to produce the U.S. version is inclusion of the OSHA PELs, NIOSH RELs and NIOSH IDLH values.
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### Identification

Name Fluoroacetic acid



Molecular Formula C<sub>2</sub>H<sub>3</sub>FO<sub>2</sub>

Molecular Weight 78.04

CAS Registry Number 144-49-0

EINECS 205-631-7

### Properties

Melting point 33 °C

Boiling point 165 °C