

**3-Fluoropropyl chloroformate** Safety Data Sheet 2123729 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 03/28/2016 Version: 1.0

1.1       Identification         Product form       :       Substance         CAS No       :       100720-90-1         Product code       :       2123-7-29         Formula       :       C4H50FDC2         Other means of identification       :       C4H50FDC2         Other means of identification       :       C4H50FDC2         Other means of identifications       :       C4H50FDC2         Other means of identifications       :       Laboratory chemicals maindature of substances scientific research and development         1.2       Relevant identifications in re- tro (26) 462-7063.       :       Scientific research and development         1.3       Details of the supplier of the stafety data select       :       Scientific research and development         1.4       Emergency number       :       (844) 523-4086 (3E Company - Account 10069)         SECTON 2.1 Hozard(30) identification       :       (844) 523-4086 (3E Company - Account 10069)         SECTON 2.1 Hozard(30) identification of the substance or mixture       :       :         Classification of the substance of America Scientific research and sevel primerit       :       :         Classification of the substance of America Scientific research and sevel primerit       :       :         Classification of the substance			-	
Preduct Iom : Substance name : Substance : 3-Fluoropropy chloroformate : CAS No : 1007230-90-1 Product code : 2123-7-39 Formula : C4HC6IFC0 : C Other means of identification : MFCD28334277 1.2 Relevant identified uses of the substance or mixture and uses advised against : Laboratory chemicals : Manufacture of substances : Substance or mixture and uses advised against : 1.3 Details of the subpler of the safety data sheet : Sympose : Substance or mixture and uses advised against : Substances : Substance or mixture and uses advised against : Substance : Substan	SECTION 1: Identification			
Substance name : 3 - Fluorgopy chloroformate : 247-29 CAS No : 1007230-90-1 Product code : 2123-7-29 Formula : C444CGFC92 Other means of identification : WFCD8334277 <b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b> Use of the substance/mixture : Laboratory chemicals Manufacture of substances Scientific research and development <b>1.3. Details of the supplier of the safety data sheet</b> SynOuse Laboratories, Inc. Pro. Box 309 Alachua, F. 32815 - United States of America T3(8): 442-0786 - (289), 442-7087 Hind Strongery telephone number Emergency number : (844) 523-4088 (3E Company - Account 10069) <b>SECTION 2: Hazard(5) identification</b> <b>2.1. Classification of the substance or mixture</b> <b>Classification (164-05)</b> Film U, 3 : H228 - Flammable legaid and vapour Acute Tox 3 (Inhaled) Sin Corr. 1A : H314 - Causes series series withoutone Full Ext of H-phrases: see section 15 <b>2.2. Label elements</b> <b>C468-US</b> 100 <b>C468-US</b> 100 Film U (GHS-US) : : Danger Hazard pictograms (GHS-US) : : Danger Hazard pictograms (GHS-US) : : Danger Hazard pictograms (GHS-US) : : : Danger Film Stronger interpictory initiation Full ext of H-phrases: see section 15 <b>2.2. Label elements</b> <b>2.3. Label elements</b> Film 243 - Causes severe series pictory initiation Full ext of H-phrases: see section 15 <b>2.4. Label elements</b> Film 243 - Toxic if Inhaled Signal word (GHS-US) : : : : : : : : : : : : : : : : : : :	1.1. Identification			
CAS No : 100723-09-1 Product code : 2123-7.29 Fondual : C4H6CFO2 Cher means of identification : MFCD23334277 <b>1.2. Relevant Identified uses of the substance or mixture and uses advised against</b> Use of the substance/mixture : Laboratory chemicals Manufacture of public substances Scientific research and development <b>1.3. Details of the supplier of the safety data sheet</b> SynCuses Laboratories, Inc. PO, Box 2009 Alachan, FL 32615 - United States of America <b>1.4. Emergency</b> Luber States or Mixture and Velos 2007 <b>1.4. Emergency</b> Luber States or Mixture and Velos (SE Company - Account 10069) <b>1.4. Emergency</b> Luber States or mixture <b>Classification (GHS-US)</b> Famil Laj 3 H226 - Flammable liquid and vapour Acute Tox 4 (Dra) H226 - Flammable liquid and vapour Acute Tox 4 (Dra) H226 - Flammable liquid and vapour Acute Tox 4 (Dra) H226 - Flammable liquid and vapour Acute Tox 4 (Dra) H226 - Flammable liquid and vapour Acute Tox 4 (Dra) H226 - Flammable liquid and vapour Acute Tox 4 (Dra) H226 - Flammable liquid and vapour Acute Tox 4 (Dra) H226 - Flammable liquid and vapour Acute Tox 4 (Dra) H327 - Vamif Handel <b>510</b> Text 3 H326 - Vamif Handel <b>521</b> Lut of H-phrases: see section 16 <b>23. Label elements</b> <b>CHS-US Islaeling</b> Hazad pictograms (CHS-US) Flamator (GHS-US) Flamator (GHS-US) Fl	Product form	: Substance		
Product code : 2 122-729 Formula : C4H8CIFO2 Other means of identification : MCO283334277 <b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b> Use of the substance/mixture in the safety data sheet SynCust Laboratories, Inc. PO. Dax 309 Alachua, F1, 32615 - United States of America T, 2084 642-0787 Hazard pictograms (BH5US) <b>SECTION 2: Hazard(9) identification</b> <b>SECTION 2: Hazard(9)</b> <b>SECTION 2: Hazar</b>	Substance name	: 3-Fluoropropyl chloroforma	te	
Formula :: C4H6CIFO2 Cher means of identification :: MFC023334277 12. Relevant identification :: MFC023334277 13. Details of the substance or mixture and uses advised against Use of the substance/mixture :: Laboratory chemicals Manufacture of substances Scientific research and development 13. Details of the supplier of the safety data sheet SynCuset Laboratories, Inc. P.O. 803 308 Alachua, PL 32015 - United States of America T (386) 462-0780 - F (386) 462-7097 Infinite SynCuset Laboratories, Inc. P.O. 803 309 Alachua, PL 32015 - United States of America T (386) 462-0780 - F (386) 462-7097 Infinite SynCuset Laboratories, Inc. P.O. 803 309 Alachua, PL 32015 - United States of America T (386) 462-0780 - F (386) 462-7097 Infinite SynCuset Laboratories, Inc. P.O. Box 309 Alachua, PL 32015 - United States of America T (386) 462-0780 - F (386) 462-7097 Infinite SynCuset Laboratories on thure Classification of the substance or mixture Classification of the substance or mixture Classification of the substance or mixture Classification (CHS-US) Fem. Liq. 2 Labota event Sint Sint Sint Sint Sint Sint Sint Si	CAS No	: 1007230-90-1		
Other means of identification       : MFCD28334277         1.2. Relevant identified uses of the substance or mixture and uses advised against         Use of the substance/mixture       :: Laboratory chemicnics/s Manufacture of substances Scientific research and development         1.3. Details of the supplier of the safety data sheet       SprOuse Laboratorines, Inc. ProC. Box 309         SprOuse Laboratorines, Inc. ProC. Box 309       : (844) 523-4086 (3E Company - Account 10069):         1.4. Emergency telephone number       : (844) 523-4086 (3E Company - Account 10069):         2.1. Classification of the substance or mixture       : (844) 523-4086 (3E Company - Account 10069):         2.1. Classification of the substance or mixture       : (844) 523-4086 (3E Company - Account 10069):         2.1. Classification of the substance or mixture       : (844) 523-4086 (3E Company - Account 10069):         SprOm 1       + 1220 - Flammable liquid and vapour Acute Tox 4 (Oral)       + 1320 - Flammable liquid and vapour Acute Tox 4 (Oral)       + 1320 - Flammable liquid and vapour Acute Tox 4 (Oral)       + 1320 - Causes servers skin hums and eye damage StrOm 1       : (442) - Starse servers skin hums and eye damage StrOm 1       : (442) - Flammable liquid and vapour Acute Tox 4 (Oral)       + 1320 - Flammable liquid and vapour Acute Tox 4 (Oral)       : (442) - Flammable liquid and vapour Acute Tox 4 (Oral)       : (442) - Flammable liquid and vapour Acute Tox 3 (Inhaled)       : (542) - Flammable liquid and vapour Acute Tox 3 (Inhaled)       : (542) - Flammable liquid and vapour Acute Tox	Product code	: 2123-7-29		
1.2.       Relevant identified uses of the substance or mixture and uses advised against         Use of the substance/mixture              i. Laboratory chemicals Scientific research and development          3.3.       Details of the supplier of the safety data sheet          SynCuest Laboratories, Inc. P.O. Box 309               Advisor of the substance or mixture          1.4.       Emergency trained States of America Tories (States of America Tories) (States of America States of America States of America Tories (States of America States of America State of America States of America State of America States of America	Formula	: C4H6CIFO2		
Use of the substance/mixture :: Laboratory chemicals Manufacture of cubstances Scientific research and development <b>1.3.</b> Details of the supplier of the safety data sheet SynOutest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-7087 - If (386) 462-7087 Info <sup>1</sup> SynOutest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-7087 - If (386) 462-7087 Info <sup>2</sup> SynOutest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-7087 - If (386) 462-7087 Info <sup>2</sup> SynOutest Laboratories, Inc. <b>1.4.</b> Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) <b>SECTION 2: Hazard(5) Identification</b> <b>2.1.</b> Classification of the substance or mixture <b>Classification (HS-US)</b> Flam. Liq. 3. A H226 - Flammable liquid and vapour Acute Tox 4 (Oral) H323 - Toxic If Inhaled Ston Corr. 1A. H314 - Causes server skin burns and eye damage Eye Dam. 1. H318 - Causes server skin burns and eye damage STOT SE 3. H335 May cause respiratory initiation Full text of H-phrases: see section 16 <b>2.2.</b> Label elements <b>GHS-US labeling</b> Hazard pictograms (GHS-US) : E Danger Hazard pictograms (GHS-US) : E Danger Hazard pictograms (GHS-US) : E M28 - Finnmable liquid and vapor Hazard statements (GHS-US) : E M28 - Finnmable liquid and vapor Hazard statements (GHS-US) : E M28 - Finnmable liquid and vapor Hazard statements (GHS-US) : E M28 - Finnmable liquid and vapor Hazard statements (GHS-US) : E M28 - Finnmable liquid and vapor Hazard statements (GHS-US) : E M28 - Finnmable liquid and vapor Hazard statements (GHS-US) : E M28 - Finnmable liquid and vapor Hazard statements (GHS-US) : E M28 - Finnmable liquid and vapor Hazard statements (GHS-US) : E M28 - Finnmable liquid and vapor Hazard statements (GHS-US) : E M28 - Finnmable liquid and vapor H32 - Note of unite state diverse explores the state diverse explores the state diverse explores the state diverse explores the state diven	Other means of identification	: MFCD28334277		
Manufacture of substances Scientific research and development         1.3. Details of the supplier of the safety data sheet SynOuese Laboratories, Inc. PO. Box 309 Alachua, FL 32615 - United States of America T (366) 442-7038 - F (386) 442-7097 Tinfo@synouesellabs.com         1.4. Emergency telephone number Emergency number       : (844) 523-4086 (3E Company - Account 10069)         SECTION 2: Hazard(5) identification Classification of the substance or mixture Classification of the substance or mixture Classification of the substance or mixture Classification (GHS-US)         Flam. Liq. 3       H220 - Flammable liquid and vapour Acute Tox. (Indialion) H302 - Harmable liquid and vapour Acute Tox. (Indialion) H310 - Toxic II Inniaed m hums and eye damage Eye Dam. (Internet in the substance or mixture Classification (GHS-US)         Full Let of H-phrases: see exclose 16         22. Label elements GHS-US labeling Hazard pictograms (GHS-US)       : Canger Hazard statements (GHS-US)         Flazze + Flammable liquid and vapor H322 - Harmful if swallowed H331 + Cause servers sith burns and eye damage H331 + Cause contraint tight (Ji edue) H332 + Marcus servers sith burns and eye damage H331 + Cause contraint tight (Ji edue) H240 + Cause explaintory initiation H232 + Marcus Liquer tespiratory initation H232 + Marcus Liquer tespiratory initi	1.2. Relevant identified uses of the	substance or mixture and uses ad	vised against	
SynCuest Laboratories, Inc.       P.O. Box 309         Machua, FL. 32615 - United States of America       1 (38) 462-0783 + F (386) 462-7078         1 (38) 462-0783 + F (386) 462-7079       (844) 523-4086 (3E Company - Account 10069)         SECTION 2: Hazard(s) identification         2.1. Classification of the substance or mixture         Classification (GHS-US)         Flam. Liq. 3       H226 - Flammable liquid and vapour         Acute Tox 4 (Oral)       H302 - Harmful if swallowed         Acute Tox 3 (Inhalaton)       H331 - Toxic if Inhaled         Skin Corr. 1A       H314 - Causes series were skin burns and eye damage         Eye Dam. 1       H316 - Causes serious eye damage         STOT SE 3       H335 - May cause respiratory irritation         Full text of H-phrases: see section 16       E         2.2.       Label elements         GHS-US       I: Danger         Hazard pictograms (GHS-US)       I: Danger         H314 - Causes severe skin burns and eye damage         H314 - Causes severe skin burns and eye damage         H325 - Harmful II is swallowed         H326 - GHS-US)       I: Danger         Hazard bictograms (GHS-US)       I: Danger         Hazard statements (GHS-US)       I: Danger         Precautionary statements (GHS-US)	Use of the substance/mixture	Manufacture of substances	elopment	
P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - FC (386) 462-7097 Info@ synutestates.com - www.synutestates.com 1.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(5) identification 2.1. Classification of the substance or mixture Classification (GHS-US) Flam, Liq, 3 H226 - Flammable liquid and vapour Acute Tox 3 (Inhalation) H331 - Toxic if inhaled Skin Corr. 1A H314 - Causes severe skin burns and eye damage Syn Corr. 1A H314 - Causes severe skin burns and eye damage STOT 5E 3 H335 - May cause respiratory irritation Flat - Causes severe skin burns and eye damage STOT 5E 3 H335 - May cause respiratory irritation Flat + H314 - Causes severe skin burns and eye damage STOT 5E 3 H335 - May cause respiratory irritation Flat + H314 - Causes severe skin burns and eye damage STOT 5E 3 H335 - May cause respiratory irritation Flat ext of H-phrases: see section 16 2.2. Label elements GHS-US Labeling Hazard pictograms (GHS-US) : Danger Hazard statements (GHS-US) : Danger Hazard statements (GHS-US) : Danger Precautionary statements (GHS-US) : Plat - Causes severe skin burns and eye damage H331 - Toxic i Inhaled H335 - Nay cause respiratory irritation Precautionary statements (GHS-US) : Plat - Causes severe skin burns and eye damage H335 - Nay cause respiratory irritation Precautionary statements (GHS-US) : Plat - Causes severe skin burns and eye damage H335 - Nay cause respiratory irritation Precautionary statements (GHS-US) : Plat - Keep ontainer tightly closed P240 - fortund/box dori Inhaled P350 - Nay cause respiratory irritation P242 - 16 se explosion-proof electrical/ventilating/lighting equipment P244 - Vash skin thoroughly after handling P243 - Take procecution proves/protectic orbitation discharge P240 - Vash skin thoroughly after handling P240 - Oroundbox cont atting this product P241 - Use explosion-proof electrical/ventilation area P240 - Vash skin thoroughly after handling P242 - V	1.3. Details of the supplier of the sa	ifety data sheet		
Emergency number : $(844) 523-4086 (3E Company - Account 10069)$ SECTION 2: Hazard(6) identification 24.1 Classification of the substance or mixture Classification (GHS-US) Flam. Liq. 3 H226 - Flammable liquid and vapour Acute Tox. 4 (Oral) H303 - Toxic fi nhaled Skin Cor. 1A H314 - Causes servere skin burns and eye damage Eye Dam. 1 H316 - Causes servere skin burns and eye damage Systems 1 H318 - Causes servere skin burns and eye damage Stor TSE 3 H335 - May cause respiratory irritation Full text of H-phrases: see section 16 2.2 Label elements GHS-US labeling Hazard pictograms (GHS-US) : $I = Danger$ Hazard statements (GHS-US) : $I = Danger$ H32 - Nay Cause respiratory irritation Precautionary statements (GHS-US) : $I = Danger$ H32 - Toxic fi inhaled H33 - Causes severe skin burns and eye damage H33 - Toxic fi inhaled H33 - Toxic Fi inhaled H34 - Causes severe skin burns and eye damage H33 - Toxic Fi inhaled H34 - Causes severe skin burns and eye damage H33 - Toxic Fi inhaled H34 - Causes for the east functioner interventioner protection for protect	P.O. Box 309 Alachua, FL 32615 - United States of Amer T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - <u>www.synquestlab</u>			
SECTION 2: Hazard(s) identification         Signal word (GHS-US)         Flam. Liq. 3       H226 - Flammable liquid and vapour         Acute Tox. 4 (Oral)       H302 - Harmful if swallowed         Acute Tox. 4 (Oral)       H302 - Harmful if swallowed         Acute Tox. 4 (Oral)       H31 - Coxic if inhaled         Skin Corr. 1A       H314 - Causes servers skin burns and eye damage         Syp Dam. 1       H318 - Causes servers skin burns and eye damage         STOT SE 3       H335 - May cause respiratory irritation         Full text of H-phrases: see section 16       Elements         CHS02       GHS02       GHS03       GHS04         Signal word (GHS-US)       :       Danger         Hazard statements (GHS-US)       :       Danger         Hazard statements (GHS-US)       :       Danger         Hazard statements (GHS-US)       :       P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking         P233 - Kaep container inghtly closed       P240 - Ground/bond container and receiving equipment         P240 - Ground/bond container and receiving equipment       P242 - Use only non-sparking tools         P240 - Do not eat, drink or smoke when using this product       P271 - Use only outdoors or in a well-ventilated area         P240 - Do not breathe dust/fume/gas/mstvapors/spray       P26				
2.1. Classification of the substance or mixture         Classification (GHS-US)         Flam. Lig. 3       H226 - Flammable liquid and vapour         Acute Tox. 4 (Ora)       H330 - Harmful if swallowed         Acute Tox. 3 (Inhalation)       H331 - Toxic if inhaled         Skin Corr. 1A       H318 - Causes serious eye damage         Eye Dam. 1       H318 - Causes serious eye damage         Stin Corr. 1A       H318 - Causes serious eye damage         Stor OT SE 3       H335 - May cause respiratory irritation         Full text of H-phrases: see section 16         2.2. Label elements         GHS-US labeling         Hazard pictograms (GHS-US)       : Danger         Hazard statements (GHS-US)       : Danger         Hazard statements (GHS-US)       : Danger         Hazard statements (GHS-US)       : P226 - Flammable liquid and vapor         H335 - May cause respiratory irritation         Precautionary statements (GHS-US)       : P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking         P240 - Ground/bond container and receiving equipment         P242 - Use only non-sparking tools         P240 - Ground/bond container and receiving equipment         P242 - Use only non-sparking tools         P240 - Ground/bond container and receiving equipment         P242 - Use only non-sp	Emergency number	: (844) 523-4086 (3E Compa	ny - Account 10069)	
2.1. Classification of the substance or mixture         Classification (GHS-US)         Flam. Lig. 3       H226 - Flammable liquid and vapour         Acute Tox. 4 (Ora)       H330 - Harmful if swallowed         Acute Tox. 3 (Inhalation)       H331 - Toxic if inhaled         Skin Corr. 1A       H318 - Causes serious eye damage         Eye Dam. 1       H318 - Causes serious eye damage         Stin Corr. 1A       H318 - Causes serious eye damage         Stor OT SE 3       H335 - May cause respiratory irritation         Full text of H-phrases: see section 16         2.2. Label elements         GHS-US labeling         Hazard pictograms (GHS-US)       : Danger         Hazard statements (GHS-US)       : Danger         Hazard statements (GHS-US)       : Danger         Hazard statements (GHS-US)       : P226 - Flammable liquid and vapor         H335 - May cause respiratory irritation         Precautionary statements (GHS-US)       : P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking         P240 - Ground/bond container and receiving equipment         P242 - Use only non-sparking tools         P240 - Ground/bond container and receiving equipment         P242 - Use only non-sparking tools         P240 - Ground/bond container and receiving equipment         P242 - Use only non-sp	SECTION 2: Hazard(c) identified	tion		
Classification (GHS-US)         Flam. Liq. 3 Acute Tox. 4 (Oral)       H302 - Harmful if swallowed Acute Tox. 4 (Inhalation)         Acute Tox. 4 (Inhalation)       H331 - Toxic if inhaled         Skin Corr. 1A       H314 - Causes severe skin burns and eye damage Eye Dam. 1         Eye Dam. 1       H316 - Causes severe skin burns and eye damage STOT SE 3         Stor TSE 3       H335 - May cause respiratory irritation         Full text of H-phrases: see section 16 <b>2.2.</b> Label elements         GHS-US labeling         Hazard pictograms (GHS-US)       :         GHS02       GHS02         GHS02       GHS03         GHS04       Cause severe skin burns and eye damage         Hazard pictograms (GHS-US)       :         Example       :         GHS02       :         GHS03       :         Danger         Hazard statements (GHS-US)       :         H226 - Flammable liquid and vapor         H331 - Toxic if inhaled         H332 - Harmful if swallowed         H314 - Cause severe skin burns and eye damage         H331 + Toxic if inhaled         H332 - Nake protection docutainer and receiving equipment         H322 - Harmful if swallowed         H314 - Cause severe skin burns and eye damage<				
Flam. Liq. 3 H226 - Flammable liquid and vapour Acute Tox. 4 (Oral) H302 - Harmful if swallowed Acute Tox. 4 (Oral) H314 - Causes severe skin burns and eye damage Skin Corr. 1A H314 - Causes severe skin burns and eye damage Skin Corr. 1A H314 - Causes severe skin burns and eye damage StoT SE 3 H335 - May cause respiratory irritation Full text of H-phrases: see section 16 <b>2.2. Label elements</b> GHS-US labeling Hazard pictograms (GHS-US) : i i i Danger Hazard statements (GHS-US) : H226 - Flammable liquid and vapor H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage GHS-US labeling Hazard statements (GHS-US) : H226 - Flammable liquid and vapor H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage H331 - Toxic if inhaled H334 - Causes severe skin burns and eye damage H331 - Toxic if inhaled H335 - May cause respiratory irritation Precautionary statements (GHS-US) : P220 - Keep away from heat/sparks/open flames/hot surfaces. No smoking P233 - Keep container tightly closed P240 - Ground/hood container and receiving equipment P241 - Use explosion-proof electrical/ventilating/lighting equipment P242 - Stee only on-sparking tools P243 - Take precautionary masures against static discharge P240 - Ground/hord container using this hordudt P240 - Stou only due tors und usif the hordungly after handling P240 - Waen skin thoroughly after handling P240 - Waen protective gloves/protective clothing/eye protection/face protection P240 - Waen has the thoroughly atter handling		or mixture		
Acute Tox. 4 (Oral)       H302 - Harmful if swallowed         Acute Tox. 3 (Inhalation)       H331 - Toxic if inhaled         Skin Corr. 1A       H314 - Causes serious eye damage         Eye Dam. 1       H315 - May cause respiratory irritation         Full text of H-phrases: see section 16 <b>2.2.</b> Label elements <b>GHS-US labeling</b> Hazard pictograms (GHS-US)         :       :         Signal word (GHS-US)         :       Danger         Hazard statements (GHS-US)         :       :				
2.2. Label elements         GHS-US labeling         Hazard pictograms (GHS-US)         Signal word (GHS-US)         Hazard statements (GHS-US)         Hazard statements (GHS-US)         Hazard statements (GHS-US)         Precautionary statements (GHS-US)         Page         P10       Keep away from heat/sparks/open flames/hot surfaces. No smoking P233         P240       Ground/bond container and receiving equipment P240         P241       Use explosion-proof electrical/ventilating/lighting equipment P242         P243       Take precautionary measures against static discharge P240         P240       Do not breath dust/fume/gas/mist/vapors/spray P244         P245       Use only outdors or in a well-ventilated area P260         P246       Wear protective gloves/protective clothing/eye protection/face protection P301+P312	Skin Corr. 1AH314 - CausesEye Dam. 1H318 - CausesSTOT SE 3H335 - May ca	s serious eye damage		
GHS-US labeling         Hazard pictograms (GHS-US)         :				
Hazard pictograms (GHS-US)       :       Image: Comparison of the compa				
Signal word (GHS-US): DangerHazard statements (GHS-US): H226 - Flammable liquid and vapor H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage H331 - Toxic if inhaled H335 - May cause respiratory irritationPrecautionary statements (GHS-US): P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical/ventilating/lighting equipment P242 - Use only on-sparking tools P243 - Take precautionary measures against static discharge P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash skin throroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell	•			
Signal word (GHS-US): DangerHazard statements (GHS-US): H226 - Flammable liquid and vapor H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage H331 - Toxic if inhaled H335 - May cause respiratory irritationPrecautionary statements (GHS-US): P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking P243 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical/ventilating/lighting equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell	Hazard pictograms (GHS-US)			
<ul> <li>Hazard statements (GHS-US)</li> <li>: H226 - Flammable liquid and vapor H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage H331 - Toxic if inhaled H335 - May cause respiratory irritation</li> <li>Precautionary statements (GHS-US)</li> <li>: P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical/ventilating/lighting equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell</li> </ul>	Signal word (GHS-US)		GHSU0 GHSU/	
Precautionary statements (GHS-US)       : P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking         P233 - Keep container tightly closed       P240 - Ground/bond container and receiving equipment         P241 - Use explosion-proof electrical/ventilating/lighting equipment       P242 - Use only non-sparking tools         P243 - Take precautionary measures against static discharge       P260 - Do not breathe dust/fume/gas/mist/vapors/spray         P260 - Do not eat, drink or smoke when using this product       P270 - Do not eat, drink or smoke when using this product         P271 - Use only outdoors or in a well-ventilated area       P280 - Wear protective gloves/protective clothing/eye protection/face protection         P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell       P210 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell	• • •	: H226 - Flammable liquid ar H302 - Harmful if swallowe H314 - Causes severe skin H331 - Toxic if inhaled	burns and eye damage	
	Precautionary statements (GHS-US)	<ul> <li>P210 - Keep away from hea P233 - Keep container tight P240 - Ground/bond contai P241 - Use explosion-proof P242 - Use only non-sparki P243 - Take precautionary P260 - Do not breathe dust P264 - Wash skin thorough P270 - Do not eat, drink or P271 - Use only outdoors of P280 - Wear protective glow</li> </ul>	at/sparks/open flames/hot surfaces. No smoki ly closed ner and receiving equipment electrical/ventilating/lighting equipment ng tools measures against static discharge /fume/gas/mist/vapors/spray ly after handling smoke when using this product r in a well-ventilated area /es/protective clothing/eye protection/face pro	otection
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		P303+ skin wi P304+ P305+ lenses P310 - P311 - P321 - P320 - P363 - P363 - P370+ P403+ P403+ P405 -	P330+P331 - If swallowed: rinse mouth P361+P353 - If on skin (or hair): Take of the water/shower P340 - If inhaled: Remove person to fre P351+P338 - If in eyes: Rinse cautious , if present and easy to do. Continue rin Immediately call a POISON CENTER of Call a POISON CENTER or doctor/phy Specific treatment (see supplemental f Rinse mouth Wash contaminated clothing before ref P378 - In case of fire: Use dry sand, dr P233 - Store in a well-ventilated place. P235 - Store in a well-ventilated place. Store locked up Dispose of contents/container to an ap	off immediately a esh air and keep ly with water for ising or doctor/ physic ysician irst aid instructio use y chemical or alc Keep container Keep cool	Il contaminated clothing. Rinse comfortable for breathing several minutes. Remove contact ian ns on this label) ohol-resistant foam to extinguish ightly closed
2.3.	Other hazards				
Other ha		: Lachry	mator.		
2.4.	Unknown acute toxicity (GHS US)				
Not appl	licable				
SECTI	ON 3: Composition/information	on ing	redients		
8.1.	Substance				
Substan	ce type :	: Mono-o	constituent		
Name			Product identifier	%	Classification (GHS-US)
3-Fluoro (Main cor	ppropyl chloroformate nstituent)		(CAS No) 1007230-90-1	<= 100	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335
ull text	of H-phrases: see section 16				
3.2.	Mixture				
Not appl	licable				
	ON 4: First aid measures				
4.1.	Description of first aid measures		e of accident or if you feel unwell, seek		
<b>I.1.</b> First-aid	Description of first aid measures measures general	where : Remov	e of accident or if you feel unwell, seek possible). Move the affected personnel /e person to fresh air and keep comfort ation. Get immediate medical advice/atte	away from the c able for breathin	ontaminated area.
<mark>I.1.</mark> First-aid First-aid	Description of first aid measures         measures general       :         measures after inhalation       :	where Remov respira	possible). Move the affected personnel ve person to fresh air and keep comfort.	away from the c able for breathin ention.	ontaminated area. g. If not breathing, give artificial
<b>1.1.</b> First-aid First-aid First-aid	Description of first aid measures         measures general       :         measures after inhalation       :         measures after skin contact       :         measures after eye contact       :	where Removing respira Wash ving medica Immedi presen	possible). Move the affected personnel ve person to fresh air and keep comfort tition. Get immediate medical advice/atte with plenty of soap and water. Remove al advice/attention. liately flush eyes thoroughly with water it and easy to do. Continue rinsing. Get	away from the c able for breathin ention. contaminated cl for at least 15 m immediate medi	ontaminated area. g. If not breathing, give artificial othing and shoes. Get immediate inutes. Remove contact lenses, if cal advice/attention.
<b>I.1.</b> First-aid First-aid First-aid	Description of first aid measures         measures general       :         measures after inhalation       :         measures after skin contact       :         measures after eye contact       :         measures after ingestion       :	<ul> <li>where</li> <li>Remove respiration</li> <li>Wash we medication</li> <li>Immedication</li> <li>Immedication</li> <li>Immedication</li> <li>Do NO mouth</li> </ul>	possible). Move the affected personnel ve person to fresh air and keep comfort- ation. Get immediate medical advice/atte with plenty of soap and water. Remove al advice/attention. liately flush eyes thoroughly with water it and easy to do. Continue rinsing. Get DT induce vomiting. Never give anything out with water. Get immediate medical	away from the c able for breathin ention. contaminated cl for at least 15 m immediate medi by mouth to an	ontaminated area. g. If not breathing, give artificial othing and shoes. Get immediate inutes. Remove contact lenses, if cal advice/attention. unconscious person. Rinse
I.1. First-aid First-aid First-aid First-aid First-aid	Description of first aid measures         measures general       :         measures after inhalation       :         measures after skin contact       :         measures after eye contact       :         measures after ingestion       :         Most important symptoms and effects	<ul> <li>where</li> <li>Remove respiration</li> <li>Wash we medication</li> <li>Immedipresen</li> <li>Do NO mouth</li> <li>both and</li> </ul>	possible). Move the affected personnel ve person to fresh air and keep comfortation. Get immediate medical advice/atte with plenty of soap and water. Remove al advice/attention. diately flush eyes thoroughly with water and easy to do. Continue rinsing. Get of induce vomiting. Never give anything out with water. Get immediate medical cute and delayed	away from the c able for breathin ention. contaminated cl for at least 15 m immediate medi by mouth to an advice/attention.	ontaminated area. g. If not breathing, give artificial othing and shoes. Get immediate inutes. Remove contact lenses, if cal advice/attention. unconscious person. Rinse
I.1. First-aid First-aid First-aid First-aid First-aid I.2. Symptor	Description of first aid measures         measures general       :         measures after inhalation       :         measures after skin contact       :         measures after eye contact       :         measures after ingestion       :         Most important symptoms and effects       :	where : Remove respira : Wash we medica : Immed presen : Do NO mouth <b>5, both a</b> : The mo 2.2) an	possible). Move the affected personnel ve person to fresh air and keep comfortation. Get immediate medical advice/atte with plenty of soap and water. Remove al advice/attention. diately flush eyes thoroughly with water at and easy to do. Continue rinsing. Get of induce vomiting. Never give anything out with water. Get immediate medical cute and delayed ost important known symptoms and effe ad/or in section 11.	away from the c able for breathin ention. contaminated cl for at least 15 m immediate medi by mouth to an advice/attention.	ontaminated area. g. If not breathing, give artificial othing and shoes. Get immediate inutes. Remove contact lenses, if cal advice/attention. unconscious person. Rinse
I.1. First-aid First-aid First-aid First-aid I.2. Symptor Symptor	Description of first aid measures         measures general       :         measures after inhalation       :         measures after skin contact       :         measures after eye contact       :         measures after ingestion       :         Most important symptoms and effects         ms/injuries       :	<ul> <li>where</li> <li>Remove respira</li> <li>Wash weedica</li> <li>Immedica</li> <li>Immedica</li> <li>Immedica</li> <li>Do NO mouth</li> <li>both ar</li> <li>both ar</li> <li>2.2) an</li> <li>Materia shortne</li> </ul>	possible). Move the affected personnel ve person to fresh air and keep comfortation. Get immediate medical advice/attention. With plenty of soap and water. Remove al advice/attention. With and easy to do. Continue rinsing. Get DT induce vomiting. Never give anything out with water. Get immediate medical cute and delayed ost important known symptoms and effer ad/or in section 11. al is destructive to tissue of the mucuou ess of breath, headache, nausea.	away from the c able for breathin ention. contaminated cl for at least 15 m immediate medi by mouth to an advice/attention.	ontaminated area. g. If not breathing, give artificial othing and shoes. Get immediate inutes. Remove contact lenses, if cal advice/attention. unconscious person. Rinse
I.1. First-aid First-aid First-aid First-aid I.2. Symptor Symptor I.3.	Description of first aid measures         measures general       :         measures after inhalation       :         measures after skin contact       :         measures after eye contact       :         measures after ingestion       :         Most important symptoms and effects       :	<ul> <li>where</li> <li>Remove respira</li> <li>Wash weedica</li> <li>Immedica</li> <li>Immedica</li> <li>Immedica</li> <li>Do NO mouth</li> <li>both ar</li> <li>both ar</li> <li>2.2) an</li> <li>Materia shortne</li> </ul>	possible). Move the affected personnel ve person to fresh air and keep comfortation. Get immediate medical advice/attention. With plenty of soap and water. Remove al advice/attention. With and easy to do. Continue rinsing. Get DT induce vomiting. Never give anything out with water. Get immediate medical cute and delayed ost important known symptoms and effer ad/or in section 11. al is destructive to tissue of the mucuou ess of breath, headache, nausea.	away from the c able for breathin ention. contaminated cl for at least 15 m immediate medi by mouth to an advice/attention.	ontaminated area. g. If not breathing, give artificial othing and shoes. Get immediate inutes. Remove contact lenses, if cal advice/attention. unconscious person. Rinse
I.1. First-aid First-aid First-aid First-aid I.2. Symptor Symptor I.3. Freat sym	Description of first aid measures         measures general       :         measures after inhalation       :         measures after skin contact       :         measures after eye contact       :         measures after ingestion       :         Most important symptoms and effects         ms/injuries       :         Indication of any immediate medical a	<ul> <li>where</li> <li>Remove respira</li> <li>Wash weedica</li> <li>Immedica</li> <li>Immedica</li> <li>Immedica</li> <li>Do NO mouth</li> <li>both ar</li> <li>both ar</li> <li>2.2) an</li> <li>Materia shortne</li> </ul>	possible). Move the affected personnel ve person to fresh air and keep comfortation. Get immediate medical advice/attention. With plenty of soap and water. Remove al advice/attention. With and easy to do. Continue rinsing. Get DT induce vomiting. Never give anything out with water. Get immediate medical cute and delayed ost important known symptoms and effer ad/or in section 11. al is destructive to tissue of the mucuou ess of breath, headache, nausea.	away from the c able for breathin ention. contaminated cl for at least 15 m immediate medi by mouth to an advice/attention.	ontaminated area. g. If not breathing, give artificial othing and shoes. Get immediate inutes. Remove contact lenses, if cal advice/attention. unconscious person. Rinse
I.1. First-aid F	Description of first aid measures         measures general       :         measures after inhalation       :         measures after skin contact       :         measures after eye contact       :         measures after ingestion       :         Most important symptoms and effects         ms/injuries       :         Indication of any immediate medical a         mptomatically.	<ul> <li>where</li> <li>Remove respira</li> <li>Wash weedica</li> <li>Immedica</li> <li>Immedica</li> <li>Immedica</li> <li>Do NO mouth</li> <li>both ar</li> <li>both ar</li> <li>2.2) an</li> <li>Materia shortne</li> </ul>	possible). Move the affected personnel ve person to fresh air and keep comfortation. Get immediate medical advice/attention. With plenty of soap and water. Remove al advice/attention. With and easy to do. Continue rinsing. Get DT induce vomiting. Never give anything out with water. Get immediate medical cute and delayed ost important known symptoms and effer ad/or in section 11. al is destructive to tissue of the mucuou ess of breath, headache, nausea.	away from the c able for breathin ention. contaminated cl for at least 15 m immediate medi by mouth to an advice/attention.	ontaminated area. g. If not breathing, give artificial othing and shoes. Get immediate inutes. Remove contact lenses, if cal advice/attention. unconscious person. Rinse
I.1. First-aid First-aid First-aid First-aid First-aid I.2. Symptor Symptor I.3. Freat syn SECTI 5.1.	Description of first aid measures         measures general       :         measures after inhalation       :         measures after skin contact       :         measures after eye contact       :         measures after ingestion       :         Most important symptoms and effects         ns/injuries       :         Indication of any immediate medical a         mptomatically.         ON 5: Firefighting measures         Extinguishing media	<ul> <li>where</li> <li>Remove respiration</li> <li>Wash weedication</li> <li>Immedication</li> <li>Immedication</li> <li>Immedication</li> <li>Immedication</li> <li>Do NO mouth</li> <li><b>both an</b></li> <li>The model of the second sec</li></ul>	possible). Move the affected personnel ve person to fresh air and keep comfortation. Get immediate medical advice/attention. With plenty of soap and water. Remove al advice/attention. With and easy to do. Continue rinsing. Get DT induce vomiting. Never give anything out with water. Get immediate medical cute and delayed ost important known symptoms and effer ad/or in section 11. al is destructive to tissue of the mucuou ess of breath, headache, nausea.	away from the c able for breathin ention. contaminated cl for at least 15 m immediate medi by mouth to an advice/attention. ects are describe	ontaminated area. g. If not breathing, give artificial othing and shoes. Get immediate inutes. Remove contact lenses, if cal advice/attention. unconscious person. Rinse
.1. irst-aid irst-aid irst-aid irst-aid irst-aid .2. Symptor Symptor .3. reat symptor .1.	Description of first aid measures         measures general       :         measures after inhalation       :         measures after inhalation       :         measures after skin contact       :         measures after eye contact       :         measures after ingestion       :         Most important symptoms and effects       :         ns/injuries       :         ns/injuries after inhalation       :         Indication of any immediate medical a       :         mptomatically.       :         ON 5: Firefighting measures       :         Extinguishing media       :	where : Remove respira : Wash weedica : Immedica : Immedica : Immedica : Do NO mouth <b>s, both a</b> : The model <b>s, both a</b> : The model : Alcoho approp	possible). Move the affected personnel ve person to fresh air and keep comfort: attion. Get immediate medical advice/attention. Get immediate medical advice/attention. diately flush eyes thoroughly with water a dvice/attention. diately flush eyes thoroughly with water at and easy to do. Continue rinsing. Get out with water. Get immediate medical cute and delayed ost important known symptoms and effend/or in section 11. al is destructive to tissue of the mucuou ess of breath, headache, nausea. and special treatment needed of resistant foam. Carbon dioxide. Dry provide for surrounding fire.	away from the c able for breathin ention. contaminated cl for at least 15 m immediate medi by mouth to an advice/attention. ects are describe	ontaminated area. g. If not breathing, give artificial othing and shoes. Get immediate inutes. Remove contact lenses, if cal advice/attention. unconscious person. Rinse

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Explosion hazard	: Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers. May form flammable/explosive vapor-air mixture.
Reactivity	: Reacts with water, generates gases or heat. Reacts on exposure to water with some metals to release highly explosive/flammable hydrogen gas.
5.3. Advice for firefighters	
Firefighting instructions	: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection during firefighting	: Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
General measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.		
6.1.1. For non-emergency personnel			
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.		
6.1.2. For emergency responders			
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".		
Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. Consider the risk of potentially explosive atmospheres. Eliminate every possible source of ignition.		
6.2. Environmental precautions			
Avoid release to the environment. Notify authorit	ies if product enters sewers or public waters.		
6.3. Methods and material for containme	ent and cleaning up		
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.		
Methods for cleaning up	: Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.		
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".		
6.4. Reference to other sections No additional information available			
SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.		
Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools.		
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.		
7.2. Conditions for safe storage, including any incompatibilities			
Technical measures	: Comply with applicable regulations.		
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources. Moisture sensitive. Keep contents under inert gas.		
Incompatible materials	: Refer to Section 10 on Incompatible Materials.		
Storage area	: Store in dry, cool, well-ventilated area.		

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls

: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	<ul> <li>In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.</li> </ul>
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

#### SECTION 9: Physical and chemical properties

9.1. Information on basic physical an	d chemical properties
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 140.54 g/mol
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
0.0 Other information	

#### 9.2. Other information

No additional information available

SECTION 10: Stability and reactivity
--------------------------------------

### 10.1. Reactivity

Reacts with water, generates gases or heat. Reacts on exposure to water with some metals to release highly explosive/flammable hydrogen gas.

#### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

Keep away from heat, sparks and flame. Moisture.

#### 10.5. Incompatible materials

Alcohols. Oxidizing agents. Strong bases. Water.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

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SECTION 11: Toxicological information		
11.1. Information on toxicological effects	i de la companya de l	
Acute toxicity	: Oral: Harmful if swallowed. Inhalation: Toxic if inhaled.	
Skin corrosion/irritation	: Causes severe skin burns and eye damage.	
Serious eye damage/irritation	: Causes serious eye damage.	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.	
Specific target organ toxicity (repeated exposure)	: Not classified	
Aspiration hazard	: Not classified	
Symptoms/injuries after inhalation	: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.	

SECTI	ON 12: Ecological information
12.1.	Toxicity
No addit	ional information available
12.2.	Persistence and degradability
No addit	ional information available
12.3.	Bioaccumulative potential
No addit	ional information available
12.4.	Mobility in soil
No addit	ional information available
12.5.	Other adverse effects
No addit	ional information available

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.	
Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
Additional information	: Recycle the material as far as possible.	

### SECTION 14: Transport information

In accordance with DOT Transport document description

UN-No.(DOT) Proper Shipping Name (DOT) Transport hazard class(es) (DOT) Hazard labels (DOT)

- : UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1, II
- : UN2742
- : Chloroformates, toxic, corrosive, flammable, n.o.s.
- : 6.1 Class 6.1 Poisonous materials 49 CFR 173.132
- : 6.1 Poison
- 8 Corrosive
- 3 Flammable liquid



Packing group (DOT)

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DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
DOT Packaging Bulk (49 CFR 173.xxx)	: 243
DOT Symbols	: G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	<ul> <li>5 - If this material meets the definition for a material poisonous by inhalation (see 171.8 of this subchapter), a shipping name must be selected which identifies the inhalation hazard, in Division 2.3 or Division 6.1, as appropriate.</li> <li>IB1 - Authorized IBCs: Metal (31A, 31B and 31N). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.</li> <li>T7 - 4 178.274(d)(2) Normal</li></ul>
DOT Packaging Exceptions (49 CFR 173.xxx)	: 153
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 30 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 12 - Keep as cool as reasonably practicable,13 - Keep as dry as reasonably practicable,21 - Segregation same as for flammable liquids,25 - Shade from radiant heat,40 - Stow "clear of living quarters",100 - Stow "away from" flammable solids
Other information	: No supplementary information available.
TDG	
No additional information available	
Transport by sea	
UN-No. (IMDG)	: 2742
Proper Shipping Name (IMDG)	: CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.
Class (IMDG)	: 6.1 - Toxic substances
Packing group (IMDG)	: II - substances presenting medium danger
Air transport	
UN-No. (IATA)	: 2742
Proper Shipping Name (IATA)	: Chloroformates, toxic, corrosive, flammable, n.o.s.
Class (IATA)	: 6.1 - Toxic Substances
Packing group (IATA)	: II - Medium Danger
SECTION 45. Desculatory information	

# SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

3-Fluoropropyl chloroformate CAS No 1007230-90-1 100%	CAS NO 1007230-90-1 100%
---	--------------------------

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### 15.2. International regulations

CANADA

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No additional information available

EU-Regulations No additional information available

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#### **National regulations**

No additional information available

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

### **SECTION 16: Other information**

#### Full text of H-phrases:

Acute Tox. 3 (Inhalation)	Acute toxicity (inhalation) Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Flam. Liq. 3	Flammable liquids Category 3
Skin Corr. 1A	Skin corrosion/irritation Category 1A
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H331	Toxic if inhaled
H335	May cause respiratory irritation

NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.
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.
HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)
Physical	: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

SDS US (GHS HazCom 2012)

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