

**Isopropyl methylphosphonate** Safety Data Sheet 6177136 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 06/30/2017 Version: 1.0

1.1.       Identification         Product form       ::       Substance is propay intellylphosphonate         CAS No       ::       1532-54-8         Product code       ::       1577-1-36         Formula       ::       CAT No         Synonyms       ::       Laboratory channeads         Cata To Synonyms       ::       Laboratory channeads         Scientific research and development       Cata To Synonyms       Scientific research and development         1.3.       Details of the substance or mixture and uses advised against       Cata To Synonyms       Scientific research and development         1.4.       Emergency telephone number       :       Exercity or Standard Standa	SECTION 1: Identification	
Product form       :       Substance name       :       Isopropyi methylphosphonate         CAS No       ::       Isopropyi methylphosphonate       :         CAS No       ::       ISO2-54-8         Product code       ::       :       :         Synonyms       ::       IMPA: Methylpropan-2-yloxylphosphinic acid; GB acid; Isopropyi methylphosphonate         Other means of identification       ::       McDou274334 <b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b> Use of the substance/mixture         Use of the substance/mixture       :       Laboratory chomicals Manufacture of substance         SynClose Laboratories, Inc.       :       Laboratory chomicals Manufacture of substance         SynClose Laboratories, Inc.       :       Substance       :         P.O. Box 309       Adactus, FL 20815 - United States of America       :       :         Adactus, FL 20815 - United States of America       :       :       :       :         P.O. Box 309       Adactus, FL 20815 - United States of America       :       :       :         Adactus, FL 20815 - United States of America       :       :       :       :       :       :       :       :       :       :       :       :       :       :		
Substance name       ::       Isopropyl methylphosphonate         CAS No       ::		· Substance
CAS No : 1822-54-8 Product code : 6177-1-36 Formula : CAH1103P Synonyms : MAPA. Methyl(propan-2-yloxy)phosphinic acid. GB acid. Isopropyl methylphosphonic acid. Isoprophlyhphosphonate Other means of identification : MFCD00274334 Use of the substance/mixture : Laboratory chemicals SynCuest Laboratories, Inc. P.O. Box 200 Acids of the supplier of the safety data sheet SynCuest Laboratories, Inc. P.O. Box 200 Acids protections, Inc. Big and word (GHS-US) E. Acids Protections, Inc. E. Acids Isobarian Full Ext. (All 402 - Hermitial Statements (GHS-US) Figsal word		
Product code       ::       6177-136         Formula       ::       C4H1103P         Synonyms       ::       IMPA: Methylphosphonic acid: GB acid: Isopropyl methylphosphonic acid: Scientific research and development         12.       Relevant identification       ::       Isopropyl hydragen methylphosphonical against         Use of the substance/mixture       ::       Laboratory chomoical         Minificature of substances       Scientific research and development         7.0       Details of the supplier of the safety data sheet         Synouses Laboratories, Inc.       P.O. Box 309         P.O. Box 309       P.Marka 2016 - United States of America         Tidga 462-0787       Information of the substance or mixture         Classification of the substance or mixture       Classification of the substance or mixture         Classification of the substance or mixture       Classification of the substance or mixture         Classification of the substance or mixture       Classification of the substance or mixture         Classification of the substance or mixture       Classification of the substance or mixture         Classification of the substance or mixture       Classification of the substance or mixture         Classification of the substance or m		
Formula       : C4H1103P         Synonyms       : MPA, Methyl(progen.2-yloxy)phosphinica acid: (5B acid; Isopropyl methylphosphonica acid; isopropylene acid; isopropyl methylphosphonica acid; isopropyl		
Synonyms       :: IMFA: Methyl(propan-2-ylox)phosphoniae icaid; Ba cid; Isopropyl methylphosphonia cid; Sicpropyl methylphosphoniae         Other means of identification       :: MFCD00274334         1.2. Relevant identified uses of the substance or matture and uses advised against       Manifacture of substances         Scientific research and development       Scientific research and development         7.3. Details of the supplier of the safety data sheet       Scientific research and development         7.4. Exceptory 1.2		
Isopropy hydrogen nethylphosphonate Isopropy hy		
Other means of identification       IMECD00274334         1.2.       Relevant identified uses of the substance or mixture and uses advised against         Use of the substance/mixture       Isaboratory chemicals Manufacture of substances Scientific research and development         1.3.       Details of the supplier of the safety data sheet         SynCuest Laboratories, Inc. PO. Box 309         PO. Box 309         Alachus, FL 32615 - United States of America T(260) 462 - 0707         T(260) 462 - 0708 - F (360) 462 - 0707         Info@SyntubuseIlabs.com         1.4.       Emergency telephone number         Emergency telephone number         Classification of the substance or mixture         Classification (0HS-US)         Action (0HS-US)         Action (0HS-US)         Action (0HS-US)         Store (0HS-US)         Full text of H-phrases: see section 16         2.2.       Label elements         CHS-US labeling         Hazard statements (0HS-US)       Issues skin initiation         Hazard pictograms (0HS-US)       Issues skin initiation         Hazard statements (0HS-US)       Issues skin initiation         Hazard statements (0HS-US)       Issues skin initiation         Hazard statements (0HS-US)       Issues skin initiation         H319 - Causes	Synonyms	
1.2. Relevant identified uses of the substance or mixture and uses advised against         Use of the substance/mixture          i. Laboratory chemicals         Manufacture of substances         Scientific research and development          1.3. Details of the supplier of the safety data sheet           SynOuest Laboratories, Inc.          9.0. Box 309           Acachus, FL 32615 - United States of America         T (386) 462-0788 - F (386) 462-078          2.1. Classification (GHS-US)       I + 335 - K (386) 462-0788 - F (386) 46	Other means of identification	
Use of the substance/mixture       : Laboratory chemicals Manufacture of substances Scientific research and development         1.3.       Details of the supplier of the safety data sheet         SynCuest Laboratories, Inc.       P.O. Box 309         Jachua, FL 32615 - United States of America T(386) 462-7087       F.O. Box 309         Jachua, FL 32615 - United States of America T(386) 462-7088 - F (386) 462-7087       F.O. Box 309         Jachua, FL 32615 - United States of America T(386) 462-7088 - F (386) 462-7087       F.O. Box 309         Jachua, FL 32615 - United States of America T(386) 462-7088 - F (386) 462-7087       F.O. Box 300         J.A. Classification of the substance or mixture       F.O. Box 300         Scientification (GHS-US)       Cassification of the substance or mixture         Classification (GHS-US)       Causes skin intriation Eye Intri 2A H319 - Causes skin intriation Eye Intri 2A H319 - Causes skin intriation Full text of H-phrases: see section 16         2.2.       Label elements         GHS-US labeling Hazard pictograms (GHS-US)       : Warning         Hazard statements (GHS-US)       : Warning         Hazard statements (GHS-US)       : P261 - Axoide hearting (mass, mist, spray, vapors P260 - Waar skin knorucyhy after handing P260 - Waar skin knorucyhy after handing P2		
1.3. Details of the supplier of the safety data sheet         SynQueset Laboratories, Inc.         P.O. Box 309         Alachua, FL 32615 - United States of America         T (386) 462-0788 - F (386) 462-7087         Info 38 ynquesitabs.com - www.synquesitabs.com         1.4. Emergency telephone number         Emergency number         Emergency number         (286) 462-0783         Auto Tox, 4 (Oral)         Auto Tox, 4 (Oral)         Poil Dissiption         Stiffcation of the substance or mixture         Classification of CHS-US)         Acute Tox, 4 (Oral)         Acute Tox, 4 (Oral)         Full text of H-phrases: see section 16         2.2. Label elements         CHS-US labeling         Hazard pictograms (GHS-US)         Existra         Varia Way cause respiratory irritation         H315 - Causes shori miritation         Stor TS 3         H326 - May cause respiratory irritation         Full text of H-phrases: see section 16         2.2. Label elements         CHS-US labeling         Hazard statements (GHS-US)         E H302 - Harmful if swallowed         H318 - Causes skin irritation         H319 - Causes skin irritation         H319 -		· · · · · · · · · · · · · · · · · · ·
SynDuest Laboratories, Inc. P.O. Box 309 Alacha, FL 2815 - United States of America T (386) 462-7078 - F (386) 462-7097 TIG8SynDuestidas.com - www.synDuestidas.com 1.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(S) identification 2.1. Classification of the substance or mixture Classification (GHS-US) Acute Tox. 4 (Oral) H302 - Harmful if swallowed Skin Inti. 2 H315 - Causes serious eye irritation Fyll text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) : Warning Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : P261 - Avoid breathing fumes, mist, spray, vapors P264 - Avoid breathing fumes, mist, spray, vapors P264 - Avois bin thoroughy after handing P270 - Do not eat, drink or smoke when using this product P271 - Do not eat, drink or smoke chall using product P272 - Do not eat, drink or smoke when using the sport out provide protection P304-P332 - If in eyes; Rinse cautously with water for several minutes. Remove contact P305+P331 - If in eyes; Rinse cautously with water for several minutes. Remove contact P305+P331 - If in eyes; Rinse cautously in the tenent first ad instructions on this label)	Use of the substance/mixture	Manufacture of substances
P-O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-7078 - F (386) 462-7097 Inf0 93 yrougestables.com : www.synouestables.com I.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mixture Classification (GHS-US) Acute Tox, 4 (Ora) H302 - Harmful if swallowed Skin Inft, 2 H315 - Causes skin iritiation Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Signal word (GHS-US) Signal word (GHS-US) Signal word (GHS-US) Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Signal word (GHS-US) Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Full text of H-phrases: full text of H-phrases: see section 16 2.2. Label elements GHS-US) Full text of H-phrases: full text of H-phrases Full text of H-phrases: full text of H-phrases text of Control text of H-phrases text of Contrel text of H-phrases text of Control t	1.3. Details of the supplier of the safety d	lata sheet
P-O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-7078 - F (386) 462-7097 Info@synouestabs.com 'www.synouestabs.com I.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mixture Classification (GHS-US) Acute Tox, 4 (Ora) H302 - Harmful if swallowed Skin Inft, 2 H315 - Causes skin irritation Full text of H-phrases: see section 16 2.2. Label elements GHS-US) Signal word (GHS-US) Signal word (GHS-US) Signal word (GHS-US) Field and the substance or experiment of the substance or exp	SynQuest Laboratories, Inc.	
T (386) 402-0788 - F (386) 402-0797         Inde@synquestibles.com - www.synquestibles.com         Section 2: Hazard(s) identification         Emergency number       : (844) 523-4086 (3E Company - Account 10069)         SECTION 2: Hazard(s) identification         Classification (GHS-US)         Acute Tox, 4 (Ora)       H302 - Harmful if swallowed         Skin Iriti. 2       H315 - Causes skin irritation         Eye Irit. 2A       H319 - Causes skin irritation         STOT 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)       :         Kazard statements (GHS-US)       :: Warning         Hazard statements (GHS-US)       :: Warning         H325 - Causes skin irritation       H335 - May cause respiratory irritation         H335 - May cause respiratory irritation       H335 - May cause respiratory irritation         H335 - May cause respiratory irritation       H335 - May cause respiratory irritation         H335 - May cause respiratory irritation       H335 - May cause respiratory irritation         H335 - May cause respiratory irritation       H335 - May cause respiratory irritation         H336 - Ware protective gloves/protective gloves/protective glo	P.O. Box 309	
1.4. Emergency telephone number         Emergency number       : (844) 523-4086 (3E Company - Account 10069)         SECTION 2: Hazard(s) identification         2.1. Classification of the substance or mixture         Classification (GHS-US)         Acute Tox 4 (Oral)       H302 - Harmful if swallowed         Skin Irrit. 2       H315 - Causes skin irritation         Eye Irrit. 2A       H319 - Causes serious eye irritation         STOT 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)       : Warning         Hazard statements (GHS-US)       : H302 - Harmful if swallowed         H319 - Causes serious eye irritation         H335 - May cause respiratory irritation         H335 - May cause respiratory irritation         H319 - Causes serious eye irritation         H335 - May cause respiratory irritation <tr< td=""><td>T (386) 462-0788 - F (386) 462-7097</td><td>1</td></tr<>	T (386) 462-0788 - F (386) 462-7097	1
Emergency number       : (844) 523-4086 (3E Company - Account 10069)         SECTION 2: Hazard(s) identification         2.1. Classification of the substance or mixture         Classification (GHS-US)         Acute Tox. 4 (Oral)         H315 - Causes serious eye irritation         Eye Irrit. 2A       H315 - Causes serious eye irritation         STOT SE 3       H335 - May cause sepiratory irritation         Full text of H-phrases: see section 16         P22       Label elements         GHS-US labeling         Hazard pictograms (GHS-US)       : User         Lazard pictograms (GHS-US)       : Warning         Hazard statements (GHS-US)       : H302 - Harmful if swallowed         Hazard statements (GHS-US)       : H302 - Harmful if swallowed         Hazard statements (GHS-US)       : H302 - Harmful if swallowed         Hazard statements (GHS-US)       : H302 - Harmful if swallowed         Hazard statements (GHS-US)       : H302 - Harmful if swallowed         Precautionary statements (GHS-US)       : H302 - Harmful if swallowed         Precautionary statements (GHS-US)       : H302 - Harmful if swallowed: Call a POISON CENTER or doctor/physician if you feel unwell         P301 + P312 - Is wallowed: Call a POISON CENTER or doctor/physician if you feel unwell         P301 + P312 - Seclift creatment (see supplemential for an and keep comfo		-
2.1.       Classification of the substance or mixture         Classification (GHS-US)         Acute Tox. 4 (Ora)       H302 - Harmful if swallowed         Skin Init. 2       H315 - Causes skin irritation         EYe Init. 2A       H319 - Causes serious eye irritation         STOT 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)       :         Kin Init. 2:       Warning         Hazard pictograms (GHS-US)       :         Warning       H315 - Causes serious eye irritation         H319 - Causes serious eye irritation       H315 - Causes serious eye irritation         H319 - Causes serious eye irritation       H319 - Causes serious eye irritation         H319 - Causes serious eye irritation       H319 - Causes expiritation         H319 - Causes serious eye irritation       H319 - Causes expiritation         Precautionary statements (GHS-US)       :       P261 - Avoid breathing fumes, mist, spray, vapors         P264 - Wash skin throoughly after handling       P271 - Ds on teat, drink or snoke when using this product         P271 - Do not eat, drink or snoke when using this product       P271 - Use only outdoors or in a well-weeltide area         P280 - Wear protective gloves/p		: (844) 523-4086 (3E Company - Account 10069)
Classification (GHS-US)         Acute Tox. 4 (Oral)       H302 - Harmful if swallowed         Skin Irrit. 2       H315 - Causes skin irritation         Eyel Irrit. 2A       H319 - Causes serious eye irritation         STOT 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)       :         GHS07         Signal word (GHS-US)       :         Hazard statements (GHS-US)       :         Hazard statements (GHS-US)       :         H316 - Causes skin irritation         H315 - Causes serious eye irritation         H335 - May cause respiratory irritation         H336 - Avoid breathing fumes, mist, spray, vapors         P264 - Wash skin thoroughly after handling         P270 - Do not eat, drink or smoke when using this product         P271 - Use only outdoors in a well-wentilated area         P260 - Wash protective globus/protective colotin/face protection         P304+P340 - I	SECTION 2: Hazard(s) identification	
Acute Tox. 4 (Oral) H302 - Harmful if swallowed Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H315 - Causes serious eye irritation STOT 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) : :	2.1. Classification of the substance or mi	ixture
Acute Tox. 4 (Oral) H302 - Harmful if swallowed Skin Irrit. 2 H315 - Causes skin irritation Eyel Irrit. 2A H315 - Causes serious eye irritation STOT 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) : :	Classification (GHS-US)	
Skin Irrit. 2       H315 - Causes skin irritation         Eye Irrit. 2A       H319 - Causes serious eye irritation         STOT 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)       :         Full text of H-phrases: see section 16    Signal word (GHS-US)           Signal word (GHS-US)       :         Warning         Hazard statements (GHS-US)       :         H315 - Causes skin irritation         H319 - Causes serious eye irritation         H335 - May cause respiratory irritation         H335 - Way cause respiratory irritation		ed
STOT 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)       :         GHS07         Signal word (GHS-US)       :         Warning         Hazard statements (GHS-US)       :         Hazard statements (GHS-US)       :         H315 - Causes skin irritation         H319 - Causes serious eye irritation         H319 - Causes serious eye irritation         H319 - Causes serious eye irritation         H335 - May cause respiratory irritation         H335 - May cause respir		
Full text of H-phrases: see section 16         2.2.       Label elements         GHS-US labeling         Hazard pictograms (GHS-US)       :         Signal word (GHS-US)       :         Hazard statements (GHS-US)       :         Precautionary statements (GHS-US)       :         Precautionary statements (GHS-US)       :         P261 - Avoid breathing fumes, mist, spray, vapors         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+P332 - !f swallowed: Call a POISON CENTER or doctor/physician if you feel unwell         P302+P332 - !f on skin: Wash with plenty of soap and water         P304+P340 - !f inhaled: Remove person to fresh air and keep comfortable for breathing         P304+P340 - !f inhaled: Remove person to fresh air and keep comfortable for breathing         P304+P340 - !f inhaled: Remove person to fresh air and keep comfortable for breathing         P304+P340 - !f inhaled: Remove person to fresh air and keep comfortable for breathin		
2.2.       Label elements         GHS-US labeling         Hazard pictograms (GHS-US)         Signal word (GHS-US)         Hazard statements (GHS-US)         Precautionary statements (GHS-US)         Hazard statements (GHS-US)         Hazard statements (GHS-US)         Precautionary statements (GHS-US)         Hazard statements (GHS-US)         <	STOT SE 3 H335 - May cause respirat	tory irritation
GHS-US labeling         Hazard pictograms (GHS-US)         Signal word (GHS-US)         Hazard statements (GHS-US)         Precautionary statements (GHS-US)         Precautis and trecautionary statements (GHS-US)	Full text of H-phrases: see section 16	
GHS-US labeling         Hazard pictograms (GHS-US)         Signal word (GHS-US)         Hazard statements (GHS-US)         Precautionary statements (GHS-US)         Precautis and trecautionary statements (GHS-US)	2.2 Label elements	
Hazard pictograms (GHS-US)       :         GHSOT         Signal word (GHS-US)       :         Hazard statements (GHS-US)       :         Hazard statements (GHS-US)       :         Hazard statements (GHS-US)       :         Hazard statements (GHS-US)       :         Precautionary statements (GHS-US)       :         Precautionary statements (GHS-US)       :         Precautionary statements (GHS-US)       :         P261 - Avoid breathing fumes, mist, spray, vapors         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         P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing         P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing         P312 - Call a POISON CENTER or doctor/physician if you feel unwell         P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing         P312 - Call a POISON CENTER or doctor/physic		
Signal word (GHS-US)       : Warning         Hazard statements (GHS-US)       : H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation         Precautionary statements (GHS-US)       : P261 - Avoid breathing fumes, mist, spray, vapors 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 clothing/eye protection/face protection P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell P302+P352 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep 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 P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label)	•	
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	P337+P313 - If eye irritatior P362+P364 - Take off conta P403+P233 - Store in a wel P405 - Store locked up	n occurs: Get medical advice/a persists: Get medical advice/ aminated clothing and wash it I-ventilated place. Keep conta	/attention before reuse iner tightly closed
2.3. Other hazards			
No additional information available			
2.4. Unknown acute toxicity (GHS	US)		
Not applicable			
SECTION 3: Composition/inforr	nation on ingredients		
3.1. Substance			
Substance type	: Mono-constituent		
Name	Product identifier	%	Classification (GHS-US)
Isopropyl methylphosphonate (Main constituent)	(CAS No) 1832-54-8	<= 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16			
3.2. Mixture			
Not applicable			
SECTION 4: First aid measures			
4.1. Description of first aid measu	res		
First-aid measures general		: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area.	
First-aid measures after inhalation	respiration. Get immediate r	medical advice/attention.	athing. If not breathing, give artificial
First-aid measures after skin contact : Wash with plenty of soap and water. Get immediate medical advice/attention.			
First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lens present and easy to do. Continue rinsing. Get immediate medical advice/attention.		medical advice/attention.	
First-aid measures after ingestion		ever give anything by mouth to nmediate medical advice/atter	o an unconscious person. Rinse ntion.
	d effects, both acute and delayed		
Symptoms/injuries	: The most important known s 2.2) and/or in section 11.	symptoms and effects are des	cribed in the labelling (see section
4.3. Indication of any immediate m	edical attention and special treatme	ent needed	
Treat symptomatically.			
SECTION 5: Firefighting measu	res		
5.1. Extinguishing media			
Suitable extinguishing media	: Alcohol resistant foam. Carl appropriate for surrounding		er spray. Use extinguishing media
5.2. Special hazards arising from t	he substance or mixture		
Fire hazard		erates: Carbon oxides. Phosp	phorus oxides.
Explosion hazard			spray or fog for cooling exposed
5.3. Advice for firefighters			
Firefighting instructions	: In case of fire: Evacuate are	ea. Fight fire remotely due to the	he risk of explosion.
Protection during firefighting			ion with self contained breathing osure controls/personal protection".
SECTION 6: Accidental release			
	ive equipment and emergency proc		antilation. Do not broath a root f
General measures	: Evacuate unnecessary pers vapor or spray.	onnei. Ensure adequate air ve	entilation. Do not breathe gas, fumes,

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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.
6.2. Environmental precautions	

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

Methods and material for containment and cleaning up	
: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.	
: 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.	
: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".	

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.
: 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.
ng any incompatibilities
: Comply with applicable regulations.
: Keep container closed when not in use. Moisture sensitive. Keep contents under inert gas.
: Refer to Section 10 on Incompatible Materials.
: Store in dry, cool, well-ventilated area.

SECTION & EV	posure controls/	norconal	protection
SLUTION U. LA	posure 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 shower should be available in the immediate vicinity of any potential exposure.	
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	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and o	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	: 102 - 104 °C (@ 0.1 mm Hg)	

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Flash point	: 99 °C
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
Specific gravity / density	: 1.1 g/ml (@ 20 °C)
Molecular mass	: 138.1 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
9.2. Other information	

Refractive index

: 1.423 (@ 20 °C)

0507	
SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No add	itional information available
10.2.	Chemical stability
The pro	oduct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	itional information available
10.4.	Conditions to avoid
Keep a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	bases. Strong oxidizing agents.
10.6.	Hazardous decomposition products
	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of a Section 5.
SECT	ION 11: Toxicological information
11.1.	Information on toxicological effects
A cuto t	ovicity . Oral: Harmful if swallowed

Acute toxicity	: Oral: Harmful if swallowed.
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
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

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SECTION 12: Ecological information		
12.1.	Toxicity	
No addi	tional information available	
12.2.	Persistence and degradability	
No additional information available		
12.3.	Bioaccumulative potential	
No additional information available		
12.4.	Mobility in soil	
No additional information available		
12.5.	Other adverse effects	
No additional 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.	

#### **Department of Transportation (DOT)**

**SECTION 14: Transport information** 

In accordance with DOT Not regulated for transport

#### TDG

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

#### **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:

	Isopropyl methylphosphonate	CAS No 1832-54-8	100%
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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 No additional information available

### **EU-Regulations**

No additional information available

#### 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

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

#### Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4	
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A	
Skin Irrit. 2	Skin corrosion/irritation Category 2	
STOT SE 3	Specific target organ toxicity (single exposure) Category 3	
H302	Harmful if swallowed	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H335	May cause respiratory irritation	
NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.	
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.	
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.	
HMIS III Rating		
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given	
Flammability	<ul> <li>1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)</li> </ul>	
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.	
SDS US (GHS HazCom 2012)		

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.