

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

SECTION 1. Identification of the	substance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Substance
Trade name	: DIETHYLPYROCARBONATE (DEPC)
CAS No	: 1609-47-8
Product code	: AB00472
Formula	: C6H10O5
1.2. Relevant identified uses of the	substance or mixture and uses advised against
Use of the substance/mixture	: Laboratory use/Manufacturing component/Research
Use of the substance/mixture	: No data available
1.3. Details of the supplier of the sa	fety data sheet
AmericanBio, Inc. 15 Erie Dr. Natick, MA 01760 - USA T 800.443.0600 - F 508.655.2754 <u>info@americanbio.com</u> - <u>www.americanbio.</u>	<u>com</u>
1.4. Emergency telephone number	
Emergency number	: 855.835.2572 (U.S.) :: 760.602.8703 (Outside U.S.)
SECTION 2: Hazards identification	on
2.1. Classification of the substance	
Classification (GHS-US)	
Flam. Liq. 4 H227 Acute Tox. 4 (Oral) H302	
Acute Tox. 4 (Oral) H302 2.2. Label elements	
Acute Tox. 4 (Oral) H302 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	: CHS07 : Warning
Acute Tox. 4 (Oral) H302 2.2. Label elements GHS-US labeling	: GHS07 : Warning : H227 - Combustible liquid H302 - Harmful if swallowed
Acute Tox. 4 (Oral) H302 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	: Warning : H227 - Combustible liquid
Acute Tox. 4 (Oral) H302 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US) Hazard statements (GHS-US) Precautionary statements (GHS-US)	 Warning H227 - Combustible liquid H302 - Harmful if swallowed P210 - Keep away from hot surfaces, open flames, sparks, heat No smoking P264 - Wash hands, forearms and face thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Wear eye protection, protective clothing, protective gloves P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell P330 - If swallowed, rinse mouth P370+P378 - In case of fire: Use water spray/sand/foam for extinction P403+P235 - Store in a well-ventilated place. Keep cool
Acute Tox. 4 (Oral) H302 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US) Hazard statements (GHS-US) Precautionary statements (GHS-US) 2.3. Other hazards	 Warning H227 - Combustible liquid H302 - Harmful if swallowed P210 - Keep away from hot surfaces, open flames, sparks, heat No smoking P264 - Wash hands, forearms and face thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Wear eye protection, protective clothing, protective gloves P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell P330 - If swallowed, rinse mouth P370+P378 - In case of fire: Use water spray/sand/foam for extinction P403+P235 - Store in a well-ventilated place. Keep cool
Acute Tox. 4 (Oral) H302 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US) Hazard statements (GHS-US) Precautionary statements (GHS-US)	 Warning H227 - Combustible liquid H302 - Harmful if swallowed P210 - Keep away from hot surfaces, open flames, sparks, heat No smoking P264 - Wash hands, forearms and face thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Wear eye protection, protective clothing, protective gloves P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell P330 - If swallowed, rinse mouth P370+P378 - In case of fire: Use water spray/sand/foam for extinction P403+P235 - Store in a well-ventilated place. Keep cool P501 - Dispose of contents/container to Local/Federal regulations
Acute Tox. 4 (Oral) H302 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) Acute Tox. 4 (Oral) H302	 Warning H227 - Combustible liquid H302 - Harmful if swallowed P210 - Keep away from hot surfaces, open flames, sparks, heat No smoking P264 - Wash hands, forearms and face thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Wear eye protection, protective clothing, protective gloves P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell P330 - If swallowed, rinse mouth P370+P378 - In case of fire: Use water spray/sand/foam for extinction P403+P235 - Store in a well-ventilated place. Keep cool P501 - Dispose of contents/container to Local/Federal regulations

3.1. Substance

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Name	Product identifier	%	Classification (GHS-US)
DIETHYLPYROCARBONATE (DEPC) (Main constituent)	(CAS No) 1609-47-8	100	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302

Full text of H-phrases: see section 16

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3.2. Mixture		
Not applicable		
SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures general :	Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).	
First-aid measures after inhalation	Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service. Assure fresh air breathing. Allow the victim to rest.	
First-aid measures after skin contact	Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.	
First-aid measures after eye contact	Rinse immediately with plenty of water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.	
First-aid measures after ingestion	Rinse mouth with water. Call Poison Information Centre (www.big.be/antigif.htm). Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor/physician if you feel unwell.	
4.2. Most important symptoms and effects	, both acute and delayed	
Symptoms/injuries after skin contact	Tingling/irritation of the skin.	
Symptoms/injuries after eye contact	Irritation of the eye tissue.	
Symptoms/injuries after ingestion	Swallowing a small quantity of this material will result in serious health hazard.	
4.3. Indication of any immediate medical a	ttention and special treatment needed	
No additional information available		
SECTION 5: Firefighting measures		
5.1. Extinguishing media		
suitable extinguishing media	Water spray. Polyvalent foam. Alcohol-resistant foam. Polymer foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. Water spray. Sand.	
Unsuitable extinguishing media	No unsuitable extinguishing media known. Do not use a heavy water stream.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard :	DIRECT FIRE HAZARD. Material presenting a fire hazard. INDIRECT FIRE HAZARD. Temperature above flashpoint: higher fire/explosion hazard. Reactions involving a fire hazard: see "Reactivity Hazard". Combustible liquid.	
Explosion hazard :	INDIRECT EXPLOSION HAZARD. Reactions with explosion hazards: see "Reactivity Hazard". May form flammable/explosive vapor-air mixture.	
Reactivity	Decomposes slowly on exposure to water (moisture): release of highly flammable gases/vapours (ethanol, carbon dioxide) with pressure build-up may cause closed container to burst. Upon	

	combustion: CO and CO2 are formed. Reacts with (some) bases: release of carcinogenic products. Prolonged storage: may form peroxides.
5.3. Advice for firefighters	
Precautionary measures fire	 Exposure to fire/heat: keep upwind. Exposure to fire/heat: seal off low-lying areas. Exposure to fire/heat: have neighbourhood close doors and windows.
Firefighting instructions	Cool tanks/drums with water spray/remove them into safety. When cooling/extinguishing: no water in the substance. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Protection during firefighting	 Heat/fire exposure: compressed air/oxygen apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental release m	neasures
6.1. Personal precautions, protectiv	e equipment and emergency procedures
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.
6.1.1. For non-emergency personnel	
Protective equipment	: Gloves. Face-shield. Protective clothing.
Emergency procedures	: Mark the danger area. No naked flames. Keep containers closed. Avoid ingress of water in the containers. Wash contaminated clothes. On contact with moisture/water: keep upwind. On contact with moisture/water: consider evacuation. Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
	to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
6.3. Methods and material for contain	
For containment	: Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Hazardous reaction: measure explosive gas-air mixture. Reaction: dilute combustible gas/vapour with water curtain.
Methods for cleaning up	Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
6.4. Reference to other sections	
See Heading 8. Exposure controls and pers	ional protection.
SECTION 7: Handling and storag	ie
7.1. Precautions for safe handling	
Additional hazards when processed	 Handle empty containers with care because residual vapors are flammable. Keep away from heat/sparks/open flames/hot surfaces No smoking.
Precautions for safe handling	: Comply with the legal requirements. Clean contaminated clothing. Handle and open the container with care. Thoroughly clean/dry the installation before use. Do not discharge the waste
	into the drain. Keep away from naked flames/heat. Avoid contact of substance with water. At temperature > flashpoint: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking.
Hygiene measures	temperature > flashpoint: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or
	 temperature > flashpoint²: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking. Do not eat, drink or smoke when using this product. Wash hands/forearms/face thoroughly after handling.
7.2. Conditions for safe storage, inc	 temperature > flashpoint²: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking. Do not eat, drink or smoke when using this product. Wash hands/forearms/face thoroughly after handling.
7.2. Conditions for safe storage, inc Technical measures	 temperature > flashpoint²: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking. Do not eat, drink or smoke when using this product. Wash hands/forearms/face thoroughly after handling.
7.2. Conditions for safe storage, inc Technical measures Storage conditions	 temperature > flashpoint²: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking. Do not eat, drink or smoke when using this product. Wash hands/forearms/face thoroughly after handling. cluding any incompatibilities Proper grounding procedures to avoid static electricity should be followed. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight.
7.2. Conditions for safe storage, inc Technical measures Storage conditions Incompatible products	 temperature > flashpoint²: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking. Do not eat, drink or smoke when using this product. Wash hands/forearms/face thoroughly after handling. cluding any incompatibilities Proper grounding procedures to avoid static electricity should be followed. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use. Keep in fireproof place.
7.2. Conditions for safe storage, inc Technical measures Storage conditions Incompatible products Incompatible materials	 temperature > flashpoint²: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking. Do not eat, drink or smoke when using this product. Wash hands/forearms/face thoroughly after handling. Cluding any incompatibilities Proper grounding procedures to avoid static electricity should be followed. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use. Keep in fireproof place. Strong bases. strong acids.
7.2. Conditions for safe storage, inc Technical measures Storage conditions Incompatible products Incompatible materials Heat-ignition	 temperature > flashpoint²: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking. Do not eat, drink or smoke when using this product. Wash hands/forearms/face thoroughly after handling. cluding any incompatibilities Proper grounding procedures to avoid static electricity should be followed. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use. Keep in fireproof place. Strong bases. strong acids. Sources of ignition. Direct sunlight. Heat sources.
7.2. Conditions for safe storage, inc Technical measures Storage conditions Incompatible products Incompatible materials Heat-ignition Prohibitions on mixed storage	 temperature > flashpoint[']: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking. Do not eat, drink or smoke when using this product. Wash hands/forearms/face thoroughly after handling. cluding any incompatibilities Proper grounding procedures to avoid static electricity should be followed. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use. Keep in fireproof place. Strong bases. strong acids. Sources of ignition. Direct sunlight. Heat sources. KEEP SUBSTANCE AWAY FROM: heat sources. KEEP SUBSTANCE AWAY FROM: oxidizing agents. reducing agents. (strong) acids. (strong)
7.2. Conditions for safe storage, inc Technical measures Storage conditions Incompatible products Incompatible materials Heat-ignition Prohibitions on mixed storage Storage area	 temperature > flashpoint: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking. Do not eat, drink or smoke when using this product. Wash hands/forearms/face thoroughly after handling. cluding any incompatibilities Proper grounding procedures to avoid static electricity should be followed. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use. Keep in fireproof place. Storig bases. strong acids. Sources of ignition. Direct sunlight. Heat sources. KEEP SUBSTANCE AWAY FROM: heat sources. KEEP SUBSTANCE AWAY FROM: oxidizing agents. reducing agents. (strong) acids. (strong) bases. water/moisture. Store in a cool area. Store in a dry area. May be stored under nitrogen. Meet the legal
7.2. Conditions for safe storage, inc Technical measures Storage conditions Incompatible products Incompatible materials Heat-ignition Prohibitions on mixed storage Storage area Special rules on packaging	 temperature > flashpoint: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking. Do not eat, drink or smoke when using this product. Wash hands/forearms/face thoroughly after handling. cluding any incompatibilities Proper grounding procedures to avoid static electricity should be followed. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use. Keep in fireproof place. Strong bases. strong acids. Sources of ignition. Direct sunlight. Heat sources. KEEP SUBSTANCE AWAY FROM: heat sources. KEEP SUBSTANCE AWAY FROM: oxidizing agents. reducing agents. (strong) acids. (strong) bases. water/moisture. Store in a cool area. Store in a dry area. May be stored under nitrogen. Meet the legal requirements. SPECIAL REQUIREMENTS: hermetical. with pressure relief valve. dry. clean. correctly labelled
Hygiene measures 7.2. Conditions for safe storage, inc Technical measures Storage conditions Incompatible products Incompatible materials Heat-ignition Prohibitions on mixed storage Storage area Special rules on packaging Packaging materials 7.3. Specific end use(s)	 temperature > flashpoint: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking. Do not eat, drink or smoke when using this product. Wash hands/forearms/face thoroughly after handling. cluding any incompatibilities Proper grounding procedures to avoid static electricity should be followed. Keep container closed when not in use. Keep in fireproof place. Strong bases. strong acids. Sources of ignition. Direct sunlight. Heat sources. KEEP SUBSTANCE AWAY FROM: heat sources. KEEP SUBSTANCE AWAY FROM: oxidizing agents. reducing agents. (strong) acids. (strong) bases. water/moisture. Store in a cool area. Store in a dry area. May be stored under nitrogen. Meet the legal requirements. Secure fragile packagings in solid containers.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls	
Personal protective equipment	: Avoid all unnecessary exposure.
Materials for protective clothing	: GIVE EXCELLENT RESISTANCE: No data available. GIVE GOOD RESISTANCE: No data available. GIVE LESS RESISTANCE: No data available. GIVE POOR RESISTANCE: No data available.
Hand protection	: Gloves. Wear protective gloves.
Eye protection	: Face shield. Chemical goggles or safety glasses.
Skin and body protection	: Protective clothing.
Respiratory protection	: Respiratory protection not required in normal conditions. Wear approved mask.
Other information	: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	
Physical state	: Liquid
Appearance	: Liquid.
Appearance Molecular mass	: 162.14 g/mol
Color	: Colourless.
Odor	: Fruity odour.
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 160 °C
Flash point	: 69 °C
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: 5.6
Relative density	: 1.1
Density	: 1100 kg/m³
Solubility	: Decomposes on exposure to water. Soluble in ethanol. Soluble in acetone. Soluble in ligroin.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available
9.2. Other information	

Other properties

: Gas/vapour heavier than air at 20°C. Slightly volatile.

SECTION 10: Stability and reactivity

10.1. Reactivity

Decomposes slowly on exposure to water (moisture): release of highly flammable gases/vapours (ethanol, carbon dioxide) with pressure build-up may cause closed container to burst. Upon combustion: CO and CO2 are formed. Reacts with (some) bases: release of carcinogenic products. Prolonged storage: may form peroxides.

10.2. Chemical stability

Unstable on exposure to moisture. Not established. Combustible liquid. May form flammable/explosive vapor-air mixture.

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10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Harmful if swallowed.

DIETHYLPYROCARBONATE (DEPC) (\f)1609-47-8		
LD50 oral rat	850 mg/kg (Rat)	
Skin corrosion/irritation	: Not classified	
Serious eye damage/irritation	: Not classified	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
Specific target organ toxicity (single exposure)	: Not classified	
Specific target organ toxicity (repeated exposure)	: Not classified	
Aspiration hazard	: Not classified	
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met. Harmful if swallowed.	
Symptoms/injuries after skin contact	: Tingling/irritation of the skin.	
Symptoms/injuries after eye contact	: Irritation of the eye tissue.	
Symptoms/injuries after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.	

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - air	: Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).
Ecology - water	: No data available on ecotoxicity.

2.2. Persistence and degradability		
DIETHYLPYROCARBONATE (DEPC) (1609-47	-8)	
Persistence and degradability	Biodegradability in water: no data available. Not established.	
12.3. Bioaccumulative potential		
DIETHYLPYROCARBONATE (DEPC) (1609-47-8)		
Bioaccumulative potential	No bioaccumulation data available. Not established.	
2.4. Mobility in soil		
No additional information available		
12.5 Other educros offects		

12.5. Other adverse effects

Other information

: Avoid release to the environment.

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according to Federal Register / Vol. 77, No. 58 / Monda	y, March 26, 2012 / Rules and Regulations
SECTION 13: Disposal consideration	ons
13.1. Waste treatment methods	
Waste disposal recommendations	: Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to Local/Federal regulations.
Additional information	: Hazardous waste according to Directive 2008/98/EC. Handle empty containers with care because residual vapors are flammable.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	h
In accordance with DOT	
No dangerous good in sense of transport regula	ations
Additional information	
Other information	: No supplementary information available.
ADR	
Transport document description	: UN N/A
Packing group (ADR)	: N/A
Hazard identification number (Kemler No.)	: N/A
Classification code (ADR)	: N/A
Transport by sea	
No additional information available	
Air transport	
No additional information available	
SECTION 15: Regulatory information	on
15.1. US Federal regulations	
DIETHYLPYROCARBONATE (DEPC) (1609	-47-8)
Listed on the United States TSCA (Toxic Sub-	· ·
15.2. International regulations	
CANADA	
No additional information available	
ELL Populations	
EU-Regulations	

No additional information available

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

Acute Tox. 4 (Oral) H302 Eye Irrit. 2 H319 H315 Skin Irrit. 2 Full text of H-phrases: see section 16

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

Xn; R22 Xi; R36/38 Full text of R-phrases: see section 16

15.2.2. National regulations

No additional information available

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15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information

: None.

Full text of H-phrases: see section 16:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Flam. Liq. 4	Flammable liquids Category 4
H227	Combustible liquid
H302	Harmful if swallowed

SDS US (GHS HazCom 2012)

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