

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

.1. Product identifier	
Draduat form	
Product form	: Substance
Trade name	: Methyl Heptine Carbonate
CAS No	: 111-12-6
Product code	: M2250
Formula	: C9H14O2
Synonyms	: 2-octynoic acid, methyl ester / Flammable liquid, n.o.s. / methyl 2-octynoate / methyl heptin carbonate
BIG no	: 43342
1.2. Relevant identified uses of the	substance or mixture and uses advised against
Use of the substance/mixture	: Odorant Odorant: component
1.3. Details of the supplier of the sa	afety data sheet
CHEMTEX USA 27-29 Dwight Place Fairfield, 07004 - USA T 862-702-8900 - F 862-702-8180 contact@chemtexusa.com - www.chemtexu	<u>usa.com</u>
1.4. Emergency telephone number	
Emergency number	: CHEMTEL:(800)255-3924
SECTION 2: Hazards identification	on
2.1. Classification of the substance	or mixture
Classification (GHS-US)	
Flam. Liq. 4 H227 Acute Tox. 4 (Oral) H302 Skin Irrit. 2 H315 Skin Sens. 1 H317	
Full text of H-phrases: see section 16 2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US) Signal word (GHS-US)	: GHS07 : Warning : H227 - Combustible liquid H302 - Harmful if swallowed H315 - Causes skin irritation H317 - May cause an allergic skin reaction
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 H315 - Causes skin irritation

Safety Data Sheet

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

P362+P364 - Take off contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use alcohol resistant foam, dry sand to extinguish P403+P235 - Store in a well-ventilated place. Keep cool P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

2.3. **Other hazards**

No additional information available

Unknown acute toxicity (GHS-US) 2.4.

Not applicable

b.2. Mixture Vot applicable SECTION 4: First aid measures First-aid measures general : Check the vial functions. Unconscious: maintain adequate airway and respiration. Nearprator arrest: ratificial 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 preumonia. Brevent cooling by covering the victim (cm) warming up). Keep watching the victim: Condition: doctor/hospital. Never give anything by mouth to a unconscious person. If you feel unvell, seek medical advice (show the label whe possible). First-aid measures after inhalation : Remove the victim into fresh air. Respiratory problems: consult a doctor/imedical service. Assure fresh air breathing. Allow the vicim to rest. First-aid measures after eye contact : Wash immediately with lost of water. Take victim to a ophthalmologist if initiation occurs: Get medical advice/attention. Specific treatment (see on this label). If skin irritation occurs: Get medical advice/attention. Specific treatment (see on this labe). If skin irritation occurs: First-aid measures after ingestion : Rinse immediately with plenty of water. Take victim to a 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/antigi.htm). Consult a doctor/medical service if you feel unwell. L2. Most important symptoms and effects, both acute and delayed	3.1. Substance				
Mety Heyline Cationate (Main constituent) ICAS No) 111-12-6 100 Flam. Lig. 4, H227 Aute Tox. 4 (70.4), H302 Skin Intt. 2, H315 Skin Sens. 1, H317 Ull text of H-phrases: see section 16 3.2. Mixture Skin Intt. 2, H315 Skin Sens. 1, H317 Stor applicable SECTION 4, First aid measures Skin Sens. 1, H317 First-aid measures general : Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiration arrest: artificial respiration or oxygen. Cardica arrest: perform resuscitation. Victim conscious with labourde breathing: half-seated. Victim is shock: on his back with [sg Singht] visiaed. Voemiting: prevent asphysia/aspiration pneumonia. Prevent cooling by covering the victim (no warning up). Keep vaching the victim is condition: dotor/medical advice (show the label whe possible). First-aid measures after inhalation : Remove the victim inforesh air. Respiratory problems: consult a doctor/medical advice (show the label whe possible). First-aid measures after eye contact : Wash immediately with los of water. Take victim to a doctor if irritation persists. Wash with possible. First-aid measures after ingestion : Rinse immediately with loude vorning. Obtain emergency medical advice/attention. Specific treatment (see on this label). First-aid measures after ingestion : Rinse mouth with water. Call Poison Information Centre (www.big.be/antigli.htm). Consult a doctor/medical advice/attention. Specific treatment (see on this label). First-aid measures after ingestion	Name		Product identifier	%	Classification (GHS-US)
Not applicable SECTION 4: First aid measures First-aid measures general : Check the vital functions. Unconscious: maintain adequate airway and respiration. Respirato 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 preumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim cam, avoid physical strain. Depending on the victim's condition: doctor/bospital. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label whe 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 a doctor if irritation persists. Wash with plenty of scap and water. Wash contaminated obling before reuse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see on this label). If skin irritation persists. First-aid measures after eye contact First-aid measures after ingestion Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persist. First-aid measures after ingestion Rinse inmediately with plenty of water. Take victim to an ophthalmologist if irritation persist. First-aid measures after ingestion Rinse mouth with water. Call Poison Information Centre (www.big.be/antigf.htm). Consult a doctor/medical service? If you feel unwell. First-aid measures after ingestion May cause an allergic s			(CAS No) 111-12-6	100	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315
Not applicable SECTION 4: First aid measures First-aid measures general : Check the vital functions. Unconscious: maintain adequate airway and respiration. Respirato 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 preumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim cam, avoid physical strain. Depending on the victim's condition: doctor/bospital. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label whe 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 a doctor if irritation persists. Wash with plenty of scap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Cert medical advice/attention. Specific treatment (see on this label). If skin irritation persists. Prirst-aid measures after eye contact First-aid measures after ingestion Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persist. First-aid measures after ingestion Rinse inmediately with plenty of water. Take victim to an ophthalmologist if irritation persist. First-aid measures after ingestion Rinse mouth with water. Call Poison Information Centre (www.big.be/antigf.htm). Consult a doctor/medical service? If you feel unwell. First-aid measures after ingestion May cause an allerg	Full text of H-phrases: see section 16				
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. Respiration 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 asphysia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching 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 whe 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. Take victim to a doctor if irritation persists. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see on this label). If skin irritation persists. Rinse immediately with plenty of water. Otatin medical attention if pain, blinking or redness persist. First-aid measures after ingestion : Rinse mouth with water. Call Poison Information Centre (www.big.be/antigit.htm). Consult a doctor/medical service if you feel unwell. First-aid measures after ingestion : Rinse mouth with water. Call Poison Information Centre (www.big.be/antigit.htm). Consult a doctor/medical service if you feel unwell. First-aid measures after ingestion : May ca	3.2. Mixture				
4.1. Description of first aid measures First-aid measures general : Check the vital functions. Unconscious: maintain adequate airway and respiration. Respirato arrest: artificial regritation or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim inshock: 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 ad. 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 whe 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. Take victim to a doctor if irritation persists. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see on this label). If skin irritation occurs: Get medical service if you feel unwell. Ingestion of large quantities: immediately with plenty of water. Cabta contaction of ange quantities: mediately to hospita Rinse mouth. Do NOT induce vomiting. Obtain medical attention. Call a POISON CENTER or doctor//hydical service if you feel unwell. 4.2. Most important symptoms and effects, both acute and belayed Symptoms/injuries after inhalation : May cause an allergic skin reaction. Symptoms/injuries after eye contact	Not applicable				
First-aid measures general : Check the vital functions. Unconscious: maintain adequate airway and respiration. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphysia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avid 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 whe possible). First-aid measures after inhalation : Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service. Assure fresh air breathing. Allow withing by mouth to a uncors. Get medical advice/attention. Specific treatment (see on this label). If skin irritation persists. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation corrus: Get medical advice/attention. Specific treatment (see on this label). If skin irritation persists. 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 hospita Rinse medicately to hospita Rinse a allergic skin reaction. Symptoms/injuries after inhalation : May cause an allergic skin reaction. Symptoms/injuries after inhalation : Rinse mouth. Do NOT induce vorniting. Obtain mengency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries a	SECTION 4: First aid measures				
arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: hafr-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphysia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. (sive 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 whe 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 a doctor if irritation persists. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see on this label). If skin irritation or rash occurs: First-aid measures after eye contact Rinse immediately with plenty of water. 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 quantiles: immediately to hospital reaction. Symptoms/injuries after inhalation 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries after eye contact : Tingling/irritation of the skin. Causes skin irritation. Symptoms/injuries after eye contact : Swallowing a small quantity	4.1. Description of first aid measure	S			
Assure fresh air breathing. Allow the victim to rest. First-aid measures after skin contact Wash immediately with lots of water. Take victim to a doctor if irritation persists. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see on this label). If skin irritation or rash occurs: First-aid measures after eye contact Rinse immediately with plenty of water. 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 hospita Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries after inhalation I May cause an allergic skin reaction. Symptoms/injuries after skin contact Symptoms/injuries after eye contact I Irritation of the eye tissue. Symptoms/injuries after ingestion C Swallowing a small quantity of this material will result in serious health hazard. Chronic symptoms CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation. 4.3. Indication of any immediate medical attention and special treatment needed No additional information available SECTION 5: Firefighting measures S1. Extinguishing media Suitable extinguishing media C Alcohol-resistant foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. Wa spray. Sand.	First-aid measures general	arre with Vor war phy mo	est: artificial respiration or oxygen a laboured breathing: half-seated. niting: prevent asphyxia/aspiratio ming up). Keep watching the vict sical strain. Depending on the vic uth to an unconscious person. If y	. Cardiac arrest: perf Victim in shock: on n pneumonia. Preven im. Give psychologic tim's condition: doct	orm resuscitation. Victim conscious his back with legs slightly raised. nt cooling by covering the victim (no al aid. Keep the victim calm, avoid or/hospital. Never give anything by
plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see on this label). If skin irritation or rash occurs: First-aid measures after eye contact : Rinse immediately with plenty of water. 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 hospita Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries after inhalation : May cause an allergic skin reaction. Symptoms/injuries after eye contact : Tingling/irritation of the skin. Causes skin irritation. Symptoms/injuries after inhalation : May cause an allergic skin reaction. Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard. Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation. 4.3. Indication of any immediate medical attention and special treatment needed No additional information available SECTION 5: Firefighting measures	First-aid measures after inhalation				onsult a doctor/medical service.
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 dictor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospita Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell.4.2.Most important symptoms and effects, both acute and delayedSymptoms/injuries after inhalation: May cause an allergic skin reaction.Symptoms/injuries after skin contact: Tingling/irritation of the skin. Causes skin irritation.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.Chronic symptoms: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation.4.3.Indication of any immediate medical attention and special treatment neededNo additional information available: Alcohol-resistant foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. War spray. Sand.	First-aid measures after skin contact	pler Get	nty of soap and water. Wash cont medical advice/attention. Specifi	aminated clothing be	efore reuse. If skin irritation occurs:
doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospita Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries after inhalation : May cause an allergic skin reaction. Symptoms/injuries after skin contact : Tingling/irritation of the skin. Causes skin irritation. 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. Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation. 4.3. Indication of any immediate medical attention and special treatment needed No additional information available SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol-resistant foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. Wai spray. Sand.	First-aid measures after eye contact	Rin	se immediately with plenty of wat		
Symptoms/injuries after inhalation : May cause an allergic skin reaction. Symptoms/injuries after skin contact : Tingling/irritation of the skin. Causes skin irritation. 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. Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation. 4.3. Indication of any immediate medical attention and special treatment needed No additional information available SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol-resistant foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. Wai spray. Sand.	First-aid measures after ingestion	doc Rin	tor/medical service if you feel unv se mouth. Do NOT induce vomiti	well. Ingestion of larg	e quantities: immediately to hospital.
Symptoms/injuries after skin contact : Tingling/irritation of the skin. Causes skin irritation. 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. Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation. 4.3. Indication of any immediate medical attention and special treatment needed No additional information available SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol-resistant foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. War spray. Sand.	4.2. Most important symptoms and e	effects, bot	h acute and delayed		
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. Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation. 4.3. Indication of any immediate medical attention and special treatment needed No additional information available SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol-resistant foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. War spray. Sand.	Symptoms/injuries after inhalation	: Ma	/ cause an allergic skin reaction.		
Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard. Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation. 4.3. Indication of any immediate medical attention and special treatment needed No additional information available SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol-resistant foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. War spray. Sand.	Symptoms/injuries after skin contact	: Tin	gling/irritation of the skin. Causes	skin irritation.	
Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation. 4.3. Indication of any immediate medical attention and special treatment needed No additional information available SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol-resistant foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. War spray. Sand.	Symptoms/injuries after eye contact	: Irrit	ation of the eye tissue.		
4.3. Indication of any immediate medical attention and special treatment needed No additional information available SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol-resistant foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. Wai spray. Sand.	Symptoms/injuries after ingestion				
No additional information available SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol-resistant foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. Wat spray. Sand.	Chronic symptoms	: ON	CONTINUOUS/REPEATED EXP	POSURE/CONTACT	: Skin rash/inflammation.
SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol-resistant foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. Wat spray. Sand.		dical attent	on and special treatment need	ed	
5.1. Extinguishing media Suitable extinguishing media : Alcohol-resistant foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. Was spray. Sand.					
Suitable extinguishing media : Alcohol-resistant foam. BC powder. Carbon dioxide. Foam. Dry powder. Carbon dioxide. Was spray. Sand.		ত			
				Carbon dioxide. Foar	n. Dry powder. Carbon dioxide. Water
	Unsuitable extinguishing media	•	•	nown. Do not use a l	neavy water stream

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

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. Combustible liquid.	
Explosion hazard	: DIRECT EXPLOSION HAZARD. No data available on direct explosion hazard. INDIRECT EXPLOSION HAZARD. No data available on indirect explosion hazard. May form flammable/explosive vapor-air mixture.	
Reactivity	: Upon combustion: CO and CO2 are formed.	
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	: Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.	
Protection during firefighting	: Heat/fire exposure: compressed air/oxygen apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.	

SECT	SECTION 6: Accidental release measures		
6.1.	1. Personal precautions, protective 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		
Protectiv	ve equipment	: Gloves. Face-shield. Protective clothing.	
Emerge	ncy procedures	: Mark the danger area. No naked flames. Wash contaminated clothes. Evacuate unnecessary personnel.	
6.1.2.	For emergency responders		
Protectiv	ve equipment	: Equip cleanup crew with proper protection.	
Emerge	ncy procedures	: Ventilate area.	
6.2.	Environmental precautions		
Prevent public w		ding in sewers. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or	

6.3.	6.3. Methods and material for containment and cleaning up		
For con	tainment	: Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill.	
Method	s for cleaning up	: Take up liquid spill into absorbent material. 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 personal protection.

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. Keep away from heat/sparks/open flames/hot surfaces No smoking.
Precautions for safe handling	: Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Do not discharge the waste into the drain. Keep away from naked flames/heat. At temperature > flashpoint: use spark-/explosionproof appliances. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe very strict hygiene - avoid contact. Keep container tightly closed. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking. Avoid breathing dust/fume/gas/mist/vapors/spray.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, includi	ng any incompatibilities
Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
06/03/2015	EN (English US) 3/8

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

Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Keep in fireproof place.
Incompatible products	: Strong bases. strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.
Heat-ignition	: KEEP SUBSTANCE AWAY FROM: heat sources.
Storage area	: Meet the legal requirements.
Special rules on packaging	 SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.
Packaging materials	: SUITABLE MATERIAL: No data available. MATERIAL TO AVOID: No data available.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection		
8.1. Control paramete	rs	
Methyl Heptine Carbonat	e (111-12-6)	
ACGIH	Not applicable	
OSHA	Not applicable	

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. Wear suitable protective clothing.
Respiratory protection	: High gas/vapour concentration: gas mask with filter type A. 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 an	d chemical properties
Physical state	: Liquid
Appearance	: Liquid.
Color	: Colourless to light yellow
Odor	: Unpleasant odour Strong odour
Odor threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 173 °C
Flash point	: 89 °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	: 0.3 hPa
Relative density	: 0.92
Relative vapor density at 20 °C	: 4.4
Specific gravity / density	: 920 kg/m³
Molecular mass	: 154.23 g/mol
Solubility	: Insoluble in water. Water: 0.043 g/100ml

Safety Data Sheet

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

Log Pow	: 2.6 (Estimated value)
Log Kow	: 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	

Other properties

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

SECTION 10: Stability and reactivity

10.1. Reactivity

Upon combustion: CO and CO2 are formed.

10.2. Chemical stability

No data available. Combustible liquid. May form flammable/explosive vapor-air mixture.

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

: Oral: Harmful if swallowed.

Methyl Heptine Carbonate (111-12-6)	
LD50 oral rat	1530 mg/kg (Rat)
LD50 dermal rabbit	3300 mg/kg (Rabbit)
ATE US (oral)	1530.000 mg/kg body weight
ATE US (dermal)	3300.000 mg/kg body weight
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergic skin reaction.
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 inhalation	: May cause an allergic skin reaction.
Symptoms/injuries after skin contact	: Tingling/irritation of the skin. Causes skin irritation.
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.
Chronic symptoms	: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation.
· ·	

ECTION 12: Ecological informat	
2.1. Toxicity	
cology - air	: Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).
cology - water	: Water pollutant (surface water). No data available on ecotoxicity.
2.2. Persistence and degradability	
Methyl Heptine Carbonate (111-12-6)	
Persistence and degradability	Biodegradability in water: no data available. Not established.
2.3. Bioaccumulative potential	
Methyl Heptine Carbonate (111-12-6)	
Log Pow	2.6 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4). Not established.
2.4. Mobility in soil	
lo additional information available	
2.5. Other adverse effects	
Other information	: Avoid release to the environment.
ECTION 13: Disposal considera	tions
3.1. Waste treatment methods	
Vaste disposal recommendations	: Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste. 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. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
dditional information	: Hazardous waste according to Directive 2008/98/EC. Handle empty containers with care because residual vapors are flammable.
cology - waste materials	Avoid release to the environment.
SECTION 14: Transport informati	on
Department of Transportation (DOT)	
accordance with DOT	
ransport document description	: UN1993 Flammable liquids, n.o.s., 3, III
IN-No.(DOT)	: UN1993
roper Shipping Name (DOT)	: Flammable liquids, n.o.s.
ransport hazard class(es) (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
lazard labels (DOT)	: 3 - Flammable liquid

- Packing group (DOT) DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Symbols
- : III Minor Danger
- : 203 : 242
- : G Identifies PSN requiring a technical name

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

DOT Special Provisions (49 CFR 172.102)	 B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). 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, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 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.
Additional information	
Other information	: No supplementary information available.
ADR	
Transport document description	: UN 1993, 3, III, (D/E)
Packing group (ADR)	: III
Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 30
Classification code (ADR)	: F1
Hazard labels (ADR)	: 3 - Flammable liquids
Orange plates	30 1993
Tunnel restriction code (ADR)	: D/E
Transport by sea	
UN-No. (IMDG)	: 1993
Class (IMDG)	: 3 - Flammable liquids
EmS-No. (1)	: F-E
EmS-No. (2)	: S-E
Air transport	
UN-No. (IATA)	: 1993
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: III - Minor Danger
06/03/2015	EN (Epolish LIS) 7/8

Safety Data Sheet

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

SECTION 15: Regulatory information

15.1. US Federal regulations

Methyl Heptine Carbonate (111-12-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

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

Acute Tox. 4 (Oral) H302 Skin Sens. 1A H317 Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R22 Xi; R36/38 R43 Full text of R-phrases: see section 16

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information

: None.

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Flam. Liq. 4	Flammable liquids Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
H227	Combustible liquid
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction

NFPA health hazard

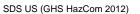
NFPA fire hazard

NFPA reactivity

: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Disclaimer:

150 River Road, Suite G3B, Montville, NJ 07045. Ph. # (973) 335-2500; Fax # (973) 335-2552.

CHEMTEX USA, INC. Provides the information contained herein in a good faith but makes no representation as to its comprehensiveness or accuracy. Certain data contain in this document is taken from literature and or referred from other sources available in the web. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose and take the responsibility for observing existing laws and regulations. 0