

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

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier	
Product form	: Substance
Trade name	: MASTER GAS LINE ANTIFREEZE 12 FL.OZ.
CAS No	: 67-56-1
Product code	: GLA12
Formula	: CH4O
Synonyms	: 420A reagent #5 / acetone alcohol / Al3-00409 / alcohol C1 / alcohol, methyl / carbinol / caswell No 552 / coat-B1400 / colonial spirit / colonial spirits / columbian spirit / columbian spirits / EPA pesticide chemical code 053801 / eureka products criosine disinfectant / eureka products, criosine / freers elm arrester / green wood spirits / holzin / HYDRANAL-standard-methanol / ideal concentrated wood preservative / manhattan spirits / Methanol / methanol chromasol / methyl alcohol / methyl hydrate / methyl hydroxide / methylen / methylol / monohydroxymethane / pyroligneous spirit / pyroxylic spirit / RCRA waste number U154 / standard wood spirits / surflo-B17 / wilbur-ellis smut-guard / wood alcohol / wood naphtha / wood spirit / X-cide 402 industrial bactericide
1.2. Relevant identified uses of the sub	stance or mixture and uses advised against
Use of the substance/mixture	: Gas Line Antifreeze
1.3. Details of the supplier of the safety	/ data sheet
Master Chemical 4635 Willow Drive Medina, MN 55340 - USA T: 612-478-2360	
1.4. Emergency telephone number	
Emergency number	: CHEMTREC 24 Hour 1-800-424-9300, 1-703-527-3887 (International)
SECTION 2: Hazards identification	
2.1. Classification of the substance or	mixture
Classification (GHS-US)	
Flam. Liq. 2H225Acute Tox. 3 (Oral)H301Acute Tox. 3 (Dermal)H311Acute Tox. 3 (Inhalation:dust,mist)H331STOT SE 1H370Full text of H-phrases: see section16	
2.2. Label elements	
Hazaro pictograms (GHS-US)	GHS02 GHS06 GHS08
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	 H225 - Highly flammable liquid and vapor H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled H370 - Causes damage to organs
Precautionary statements (GHS-US)	 P210 - Keep away from heat,sparks,open flames,hot surfaces No smoking P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical, ventilating, lighting equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P260 - Do not breathe dust,fumes,gas,mist,vapor spray P261 - Avoid breathing dust,fume,gas,mist,vapor spray P264 - Wash affected areas 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+P310 - If swallowed: Immediately call a poison control center, doctor,physician, P302+P352 - If on skin: Wash with plenty of soap and water P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse

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2.2 Other herende	skin P304 P307 P311 P312 P321 P3361 P361 P366 P361 P403 P403 P403 P405 P501 Iocal	with water/shower I+P340 - If inhaled: Remove person to fre (+P311 - If exposed: Call a poison center/ - Call a poison center, doctor 2 - Call a POISON CONTROL CENTER, of - Specific treatment: See section 4.1 on - Rinse mouth - Take off immediately all contaminated 3 - Wash contaminated clothing before reacher HP378 - In case of fire: See Section 5.1 ff HP233 - Store in a well-ventilated place. HP235 - Store in a well-ventilated place. HP235 - Store in a well-ventilated place. HP235 - Store in a well-ventilated place. - Store locked up - Dispose of contents/container to appro , regional, national, international regulatio	ish air and keep /doctor doctor, if you fee SDS clothing use Extinguishing Me Keep container f Keep cool priate waste dis ns.	comfortable for breathing I unwell. edia tightly closed posal facility, in accordance with
Other hazards not contributing to the classification	: None	e under normal conditions.		
2.4. Unknown acute toxicity (GHS-US)				
	-			
SECTION 3: Composition/Informatio	n on Ir	igredients		
3.1. Substance	. Moth	enel		
EC no	200-	559-6		
EC index no	: 603-	001-00-X		
Name		Product identifier	%	Classification (GHS-US)
Methanol (Main constituent)		(CAS No) 67-56-1	100	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 STOT SE 1, H370
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
The exact percentage is a trade secret.				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general	: Cheo	k the vital functions. Unconscious: mainta	ain adequate air	way and respiration. Respiratory
	arres with Vom warn phys	t: artificial respiration or oxygen. Cardiac laboured breathing: half-seated. Victim in iting: prevent asphyxia/aspiration pneumo ning up). Keep watching the victim. Give p ical strain. Never give alcohol to drink.	arrest: perform i shock: on his ba onia. Prevent coo osychological aid	resuscitation. Victim conscious ack with legs slightly raised. oling by covering the victim (no d. Keep the victim calm, avoid
First-aid measures after inhalation	: Rem	ove the victim into fresh air. Immediately	consult a doctor	/medical service.
First-aid measures after skin contact	: Wasl agen	n immediately with lots of water. Soap ma ts. Remove clothing before washing. Cor	ay be used. Do n isult a doctor/me	ot apply (chemical) neutralizing edical service.
First-aid measures after eye contact	: Rins	e with water. Take victim to an ophthalmo	logist if irritation	persists.
First-aid measures after ingestion	: Rinse docto large Doct	e mouth with water. Give nothing to drink, or/medical service. Call Poison Informatio quantities: immediately to hospital. Take or: administration of chemical antidote. Do	Do not induce on Centre (www.b the container/vo octor: gastric lav	<i>c</i> omiting. Immediately consult a big.be/antigif.htm). Ingestion of pomit to the doctor/hospital. <i>r</i> age.
4.2. Most important symptoms and effect	ts, both	acute and delayed		
Symptoms/injuries	: Caus	es damage to organs.		
Symptoms/injuries after inhalation	: Sligh those	t irritation. EXPOSURE TO HIGH CONCI	ENTRATIONS: 0	Cougning. Symptoms similar to
Symptoms/injuries after skin contact	: Sym	btoms similar to those listed under ingesti	ion. Slight irritatio	on.
Symptoms/injuries after indestion	· Naus			LIES' FOLLOWING SYMPTOMS
	MAY weak Ment Distu Cran	APPEAR LATER: Change in the haemog iness. Abdominal pain. Muscular pain. Ce al confusion. Drunkenness. Coordination irbances of consciousness. Visual disturb ips/uncontrolled muscular contractions.	gramme/blood c entral nervous sy disorders. Distu ances. Blindnes	omposition. Headache. Feeling of /stem depression. Dizziness. /rbed motor response. s. Respiratory difficulties.

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Chronic symptoms

: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin. Skin rash/inflammation. Headache. Disturbed tactile sensibility. Visual disturbances. Sleeplessness. Gastrointestinal complaints. Cardiac and blood circulation effects.

4.3. Indication of any immediate medical attention and special treatment needed

Hospitalize at once. Until victim can be cared for by specialized staff:

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Preferably: alcohol resistant foam. Water spray. BC powder. Carbon dioxide.
Unsuitable extinguishing media	: Solid water jet ineffective as extinguishing medium.
5.2. Special hazards arising from the sub	stance or mixture
Fire hazard	: DIRECT FIRE HAZARD. Highly flammable. Gas/vapour flammable with air within explosion limits. INDIRECT FIRE HAZARD. May be ignited by sparks.
Explosion hazard	: DIRECT EXPLOSION HAZARD. Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD. may be ignited by sparks. Reactions with explosion hazards: see "Reactivity Hazard".
Reactivity	: On heating: release of toxic/corrosive/combustible gases/vapours (formaldehyde). Upon combustion: CO and CO2 are formed. Violent to explosive reaction with (some) metal powders and with (strong) oxidizers. Violent exothermic reaction with (some) acids and with (some) halogens compounds.
5.3. Advice for firefighters	
Firefighting instructions	: Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release meas	ures
6.1. Personal precautions, protective equ	ipment and emergency procedures
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
6.1.1. For non-emergency personnel	
Protective equipment	: Gas-tight suit. See "Material-Handling" to select protective clothing.
Emergency procedures	: Keep upwind. Mark the danger area. Consider evacuation. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection. Avoid breathing dust,fume,gas,mist,vapor spray.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent soil and water pollution. Prevent spreading	g in sewers.
6.3. Methods and material for containment	t and cleaning up
For containment	: Contain released substance, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute combustible/toxic gases/vapours with water spray. Take account of toxic/corrosive precipitation water. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills.
Methods for cleaning up	: Take up liquid spill into a non combustible material e.g.: sand, earth, vermiculite slaked lime or soda ash. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Carefully collect the spill/leftovers. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.
6.4. Reference to other sections	

See Heading 8. Exposure controls and personal protection.

SECTIO	ON 7: Handling and storage	
7.1.	Precautions for safe handling	
Additiona	I hazards when processed	: Handle empty containers with care because residual vapors are flammable.

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Precautions for safe handling	:	Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Handle uncleaned empty containers as full ones. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Do not use compressed air for pumping over. Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Observe strict hygiene. Keep container tightly closed. Measure the concentration in the air regularly. Work under local exhaust/ventilation.
Hygiene measures	:	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash affected areas thoroughly after handling.
7.2. Conditions for safe storage, includin	ng a	any incompatibilities
Technical measures	:	Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment.
Storage conditions	:	Keep only in the original container in a cool, well ventilated place away from : Keep in fireproof place. Keep container tightly closed.
Incompatible products	:	Strong bases. Strong acids.
Incompatible materials	:	Sources of ignition. Direct sunlight. Heat sources.
Heat-ignition	:	KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.
Prohibitions on mixed storage	:	KEEP SUBSTANCE AWAY FROM: combustible materials. oxidizing agents. (strong) acids. (strong) bases. halogens. amines. water/moisture.
Storage area	:	Store at room temperature. Keep out of direct sunlight. Store in a dry area. Keep container in a well-ventilated place. Fireproof storeroom. Keep locked up. Provide for a tub to collect spills. Provide the tank with earthing. Unauthorized persons are not admitted. Aboveground. Meet the legal requirements.
Special rules on packaging	:	SPECIAL REQUIREMENTS: closing. dry. clean. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.
Packaging materials	:	SUITABLE MATERIAL: steel. stainless steel. iron. glass. MATERIAL TO AVOID: lead. aluminium. zinc. polyethylene. PVC.
7.3. Specific end use(s)		
No additional information available		

SECTION 8: Exposure controls/personal protection 8.1. **Control parameters** MASTER GAS LINE ANTIFREEZE 12 FL.OZ. (67-56-1) USA ACGIH ACGIH TWA (mg/m³) 262 mg/m³ USA ACGIH ACGIH TWA (ppm) 200 ppm USA ACGIH ACGIH STEL (mg/m³) 328 mg/m³ USA ACGIH ACGIH STEL (ppm) 250 ppm USA OSHA OSHA PEL (TWA) (mg/m3) 260 mg/m³ USA OSHA OSHA PEL (TWA) (ppm) 200 ppm 8.2. **Exposure controls**

Appropriate engineering controls

: Local exhaust venilation, vent hoods.

Personal protective equipment

- : Safety glasses. Gloves. Avoid all unnecessary exposure.



Materials for protective clothing

Hand protection

Skin and body protection

Eye protection

- GIVE EXCELLENT RESISTANCE: No data available. GIVE GOOD RESISTANCE: : polyethylene/ethylenevinylalcohol. styrene-butadiene rubber. viton. GIVE LESS RESISTANCE: chloroprene rubber. chlorinated polyethylene. natural rubber. nitrile rubber/PVC. GIVE POOR RESISTANCE: leather. neoprene. nitrile rubber. polyethylene. PVA. PVC. polyurethane.
- Gloves.
 - : Combined eye and respiratory protection. Safety glasses.
 - : Head/neck protection. Protective clothing.
- Respiratory protection : Gas mask with filter type AX at conc. in air > exposure limit. Wear gas mask with filter type A if conc. in air > exposure limit. High vapour/gas concentration: self-contained respirator. Other information
 - : Do not eat, drink or smoke during use.

ECTION 9: Physical and chemical properties		
9.1. Information on basic physical and ch	nemical properties	
Physical state	: Liquid	
Appearance	: Liquid.	
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Molecular mass	: 32.04 g/mol
Color	: Colourless.
Odor	: Characteristic odour. Mild odour. Pleasant odour. Alcohol odour. Commercial/unpurified substance: Irritating/pungent odour.
Odor threshold	: 2000 - 8800 ppm 2620 - 11528 mg/m ³
рН	: 6.8 - 7.2
Relative evaporation rate (butyl acetate=1)	: 4.1
Relative evaporation rate (ether=1)	: 6.3
Melting point	: -98 °C
Freezing point	: No data available
Boiling point	: 65 °C (1013 hPa)
Flash point	: 9.7 °C (1013 hPa)
Critical temperature	: 240 °C
Auto-ignition temperature	: 455 °C (1013 hPa)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: 128 hPa
Vapor pressure at 50 °C	: 552 hPa
Critical pressure	: 79547 hPa
Relative vapor density at 20 °C	: 1.1
Relative density	: 0.79-0.80,20 °C
Relative density of saturated gas/air mixture	: 1.0
Specific gravity / density	: 792 kg/m ³
Solubility	: Soluble in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in chloroform. Water: >= 100 g/100ml (20 °C) Ethanol: Complete Ether: Complete Acetone: Complete
Log Pow	: -0.77 (Experimental value; Other)
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 0.544 - 0.59 mPa.s (25 °C)
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: 5.5 - 36.5 vol %
9.2. Other information	
Minimum ignition energy	: 0.14 mJ
Saturation concentration	: 166 g/m³
VOC content	: 100 %
Other properties	: Clear. Hygroscopic. Volatile. Substance has neutral reaction.

SECTION 10: Stability and reactivity

10.1. Reactivity

On heating: release of toxic/corrosive/combustible gases/vapours (formaldehyde). Upon combustion: CO and CO2 are formed. Violent to explosive reaction with (some) metal powders and with (strong) oxidizers. Violent exothermic reaction with (some) acids and with (some) halogens compounds.

10.2.	Chemical stability
Hygrosco	pic.
10.3.	Possibility of hazardous reactions
Not estab	lished.
10.4.	Conditions to avoid
Direct sur	nlight. Extremely high or low temperatures. Open flame.
10.5.	Incompatible materials
Strong ac	ids. Strong bases.
10.6.	Hazardous decomposition products
Toxic fum	e Carbon monoxide. Carbon dioxide. May release flammable gases.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

: Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation:dust,mist: Toxic if inhaled.

MASTER GAS LINE ANTIFREEZE 12 FL.OZ. (lf)67-56-1
LD50 oral rat	>= 2528 mg/kg body weight application as 50% aqueous solution
LD50 dermal rabbit	17100 mg/kg corresponding to 20 ml/kg bw according to the authors
LC50 inhalation rat (mg/l)	128.2 mg/l/4h Air
Skin corrosion/irritation	Not classified
	рН: 6.8 - 7.2
Serious eye damage/irritation	Not classified
	рН: 6.8 - 7.2
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Causes damage to organs.
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. Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled.
Symptoms/injuries after inhalation	Slight irritation. EXPOSURE TO HIGH CONCENTRATIONS: Coughing. Symptoms similar to those listed under ingestion.
Symptoms/injuries after skin contact	Symptoms similar to those listed under ingestion. Slight irritation.
Symptoms/injuries after eye contact	Redness of the eye tissue. Lacrimation.
Symptoms/injuries after ingestion	Nausea. Vomiting. AFTER ABSORPTION OF HIGH QUANTITIES: FOLLOWING SYMPTOMS MAY APPEAR LATER: Change in the haemogramme/blood composition. Headache. Feeling of weakness. Abdominal pain. Muscular pain. Central nervous system depression. Dizziness. Mental confusion. Drunkenness. Coordination disorders. Disturbed motor response. Disturbances of consciousness. Visual disturbances. Blindness. Respiratory difficulties. Cramps/uncontrolled muscular contractions.
Chronic symptoms	ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin. Skin rash/inflammation. Headache. Disturbed tactile sensibility. Visual disturbances. Sleeplessness. Gastrointestinal complaints. Cardiac and blood circulation effects.
SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008. Not classified as dangerous for the environment according to the criteria of Directive 67/548/EEC.
Ecology - air	Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009). None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EC) No 842/2006). TA-Luft Klasse 5.2.5/I.
Ecology - water	Not harmful to fishes (LC50(96h) >1000 mg/l). Not harmful to invertebrates (Daphnia) (EC50 (48h) > 1000 mg/l). Not harmful to algae (EC50 >1000 mg/l). Slightly harmful to bacteria (EC50: 100 - 1000 mg/l). Inhibition of activated sludge.

MASTER GAS LINE ANTIFREEZE 12 FL.OZ. (67-56-1)		
LC50 fish 1	15400 mg/l (96 h; Lepomis macrochirus; Lethal)	
EC50 Daphnia 1	> 10000 mg/l (48 h; Daphnia magna; Lethal)	
LC50 fish 2	10800 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)	
EC50 Daphnia 2	24500 mg/l (48 h; Daphnia magna; Locomotor effect)	
Threshold limit other aquatic organisms 1	6600 mg/l (16 h; Pseudomonas putida)	
Threshold limit algae 1	530 mg/l (192 h; Microcystis aeruginosa)	
Threshold limit algae 2	8000 mg/l (168 h; Scenedesmus quadricauda)	

12.2. Persistence and degradability

MASTER GAS LINE ANTIFREEZE 12 FL.OZ. (67-56-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.
Biochemical oxygen demand (BOD)	0.6 - 1.12 g O ₂ /g substance
Chemical oxygen demand (COD)	1.42 g O ₂ /g substance

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MASTER GAS LINE A	NTIFREEZE 12 FL.OZ. (6	7-56-1)
ThOD		1.5 g O ₂ /g substance
BOD (% of ThOD)		0.8 % ThOD
12.3. Bioaccumula	tive potential	
MASTER GAS LINE A	NTIFREEZE 12 FL.OZ. (6	7-56-1)
BCF fish 1		< 10 (72 h; Leuciscus idus)
BCF fish 2		1 (72 h; Cyprinus carpio; Blood)
Log Pow		-0.77 (Experimental value; Other)
Bioaccumulative poten	tial	Low potential for bioaccumulation (BCF < 500).
12.4. Mobility in so	il	
MASTER GAS LINE A	NTIFREEZE 12 FL.OZ. (6	7-56-1)
Surface tension		0.023 N/m (20 °C)
12.5. Other adverse	e effects	
Other information	:	Avoid release to the environment.
SECTION 13: Disp	osal considerations	
13.1. Waste treatm	ent methods	
	enqanons .	be mixed together with other waste. Different types of 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. Recycle by distillation. Incinerate under surveillance with energy recovery. Do not discharge into drains or the environment. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.
Additional information	:	LWCA (the Netherlands): KGA category 06. Hazardous waste according to Directive 2008/98/EC.
Ecology - waste material	s :	Avoid release to the environment. Hazardous waste due to toxicity.
SECTION 14: Tran In accordance with ADR	sport information / RID / IMDG / IATA / ADN	J
US DOT (ground):	UN1230, Methanol, 3, II	
ICAO/IATA (air):	UN1230, Methanol, 3 (6.1	1). []
IMO/IMDG (water)	UN1230 Methanol 3 (6	1)
Special Brovisions:	IP2 Authorized IPCo: M	1/, "
	Requirement: Only liquid: C (1.3 bar at 131 F) are a T7 - 4 178.274(d)(2) Norr TP2 - a. The maximum d tr is the maximum mean l filling, and a is the mean filling (tf) and the maximu transported under ambier (in units of mass per unit	s 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 authorized. mal
14.2. UN proper sh	ipping name	
14.2. UN proper sh Proper Shipping Name (ipping name DOT) :	Methanol
14.2.UN proper shProper Shipping Name (Transport hazard class(e	ipping name DOT) : es) (DOT) :	Methanol 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
14.2. UN proper sh Proper Shipping Name (Transport hazard class(e Hazard labels (DOT)	ipping name DOT) : es) (DOT) : :	Methanol 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 3 - Flammable liquid 6.1 - Poison inhalation hazard
14.2. UN proper sh Proper Shipping Name (Transport hazard class(e Hazard labels (DOT)	ipping name DOT) : es) (DOT) :	Methanol 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 3 - Flammable liquid 6.1 - Poison inhalation hazard 5 5 5 5 5 5 5 5 5 5 5 5 5
14.2. UN proper sh Proper Shipping Name (Transport hazard class(e Hazard labels (DOT)	ipping name DOT) : es) (DOT) : :	Methanol 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 3 - Flammable liquid 6.1 - Poison inhalation hazard + - Fixes (cannot be altered) proper shipping name, hazard class, and packing group,I - Proper shipping name appropriate for international and domestic transportation

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DOT Special Provisions (49 CFR 172.102) DOT Packaging Exceptions (49 CFR 173.xxx)	 IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). 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. T7 - 4 178.274(d)(2) Normal	
DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx)	: 202 : 242	
14.3. Additional information		
Other information	: No supplementary information available.	
Overland transport		
Packing group (ADR)	: 11	
Class (ADR)	: 3 - Flammable liquid	
Hazard identification number (Kemler No.)	: 336	
Classification code (ADR)	: FT1	
Hazard labels (ADR)	: 3 - Flammable liquids	
	6.1 - Toxic substances	
Orange plates	336 1230	
Tunnel restriction code (ADR)	: D/E	
Transport by sea		
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.	
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"	
Subsidiary risks (IMDG)	: 6.1	
EmS-No. (1)	: F-E	
MEAG-No	19	
EmS-No. (2)	: S-D	
ζ,		
Air transport DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1L	
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L	
Subsidiary risks (IATA)	: 6.1	
SECTION 15: Regulatory information		
15.1. US Federal regulations		
MASTER GAS LINE ANTIFREEZE 12 FL.OZ.	67-56-1)	
Listed on United States SARA Section 313 Listed on the United States TSCA (Toxic Substa Listed on the United States SARA Section 302 Listed on the United States SARA Section 355	In United States SARA Section 313 In the United States TSCA (Toxic Substances Control Act) inventory In the United States SARA Section 302 In the United States SARA Section 355	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard Fire hazard	

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15.2. International regulations

CANADA

MASTER GAS LINE ANTIFREEZE 12 FL.OZ. (67-56-1)		
Listed on the Canadian DSL (Domestic Sustances List)		
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects	

EU-Regulations

MASTER GAS LINE ANTIFREEZE 12 FL.OZ. (67-56-1)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	

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

Flam. Liq. 2H225Acute Tox. 3 (Inhalation)H331Acute Tox. 3 (Dermal)H311Acute Tox. 3 (Oral)H301STOT SE 1H370

Full text of H-phrases: see section 16

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

F; R11 T; R23/24/25

T; R39/23/24/25

Full text of R-phrases: see section 16

15.2.2. National regulations

MASTER GAS LINE ANTIFREEZE 12 FL.OZ. (67-56-1)

Listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations

MASTER GAS LINE ANTIFREEZE 12 FL.OZ. (67-56-1)		
U.S California - Proposition 65 - Carcinogens List	No	
U.S California - Proposition 65 - Developmental Toxicity	Yes	
U.S California - Proposition 65 - Reproductive Toxicity - Female	No	
U.S California - Proposition 65 - Reproductive Toxicity - Male	No	
State or local regulations	U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) New Jersey Right-to-Know Florida Right to Know U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List	

SECTION 16: Other information

Other information Full text of H-phrases: : None.

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	Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3	
	Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3	
	Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3	
	Flam. Liq. 2	Flammable liquids Category 2	
	STOT SE 1	Specific target organ toxicity (single exposure) Category 1	
	H225	Highly flammable liquid and vapor	
	H301	Toxic if swallowed	
	H311	Toxic in contact with skin	
	H331	Toxic if inhaled	
	H370	Causes damage to organs	

NFPA health hazard

: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

Safety Data Sheet

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

NFPA fire hazard	: 3 - Liquids and solids that can be ignited under almost all ambient conditions.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 3 Serious Hazard
Physical	: 0 Minimal Hazard
Personal Protection	: B

The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product

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