1 Identification

Product identifier

Trade name: ENGINE PRIMING FUEL Other means of identification: No other identifiers Recommended use and restriction on use

- · Recommended use: Fuel
- · Restrictions on use: Contact manufacturer/supplier

24-Hour Emergency telephone number:

- ChemTel Inc.
- (800)255-3924 (North America)
- +1 (813)248-0585 (International)

Details of the supplier of the Safety Data Sheet Manufacturer/Supplier: KBi/Kold-Ban International, Ltd. 8390 Pingree Road Lake In The Hills, IL 60156 USA Phone: (847) 658-8561

2 Hazard(s) Identification

Classification of the substance or mixture

According to REACH regulation (EC 1907/2006, Art 31) and to OSHA regulation (29 CFR 1910.1200), KBi's engine priming fuel is an ARTICLE and is not covered by legal requirements to generate and supply an SDS or an MSDS. This Product Information Sheet is provided solely as an information document for the purpose of assisting our customers.

Flam. Gas 1 H220 Extremely flammable gas.

Press. Gas H280 Contains gas under pressure; may explode if heated.

Acute Tox. 4 H302 Harmful if swallowed.

Carc. 2 H351 Suspected of causing cancer.

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

STOT SE 3 H336 May cause drowsiness or dizziness.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).





· Signa	I word:	Danger
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· Hazard statements: H220 Extremely flammable gas. H361 Suspected of damaging fertility or the unborn child. H280 Contains gas under pressure; may explode if heated. H336 May cause drowsiness or dizziness. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H351 Suspected of causing cancer. · Precautionary statements: P331 Do NOT induce vomiting. Obtain special instructions before use. P201 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable Do not handle until all safety precautions have been read and understood. P202 for breathing. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P210 P308+P313 IF exposed or concerned: Get medical advice/attention. Avoid breathing vapors. P261 Leaking gas fire: Do not extinguish, unless leak can be stopped safely. P377 Wash thoroughly after handling. P264 P381 Eliminate all ignition sources if safe to do so. Do not eat, drink or smoke when using this product, P270 Store in a well-ventilated place. Keep container tightly closed. P403+P233 P271 Use only outdoors or in a well-ventilated area. P405 Store locked up. P280 Wear protective gloves and eye protection. P410 Protect from sunlight. If swallowed: Immediately call a poison center/doctor. Dispose of contents/container in accordance with local/regional/national/ P301+P310 P501 P330 Rinse mouth. international regulations.

· Other hazards: There are no other hazards not otherwise classified that have been identified.



3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Components:

CAS No.	Hazardous Ingredient	Hazard Classfication	% wt.
60-29-7	diethyl ether	Flam. Liq. 1, H224 Acute Tox. 4, H302; STOT SE 3, H336	55-65%
64742-49-0	Naphtha (petroleum), hydrotreated light	 Flam. Liq. 2, H225 Asp. Tox. 1, H304 STOT SE 3, H336 	20-30%
124-38-9	Carbon dioxide	Press. Gas, H280	10-15%
64-17-5	Ethanol	Flam. Liq. 2, H225 Eye Irrit. 2A, H319	<5%
75-00-3	Chloroethane	 Flam. Gas 1, H220; Flam. Liq. 1, H224 Press. Gas, H280 Carc. 2, H351 	<2%
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic	🚸 Asp. Tox. 1, H304	<1%
108-88-3	Toluene	 Flam. Liq. 2, H225 Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304 Skin Irrit. 2, H315; STOT SE 3, H336 	<0.5%

· Additional information: For the wording of the listed Hazard Statements, refer to section 16.

 After swallowing: Unlikely route of exposure. Do not induce vomiting; immediately call for medical help. Stite-fighting measures Extinguishing media Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. For safety reasons unsuitable extinguishing agents: None. Special hazards arising from the substance or mixture Danger of receptacles bursting because of high vapor pressure if heated. ment needed: Treat frost-bitten areas appropriately. Medical supervision for at 48 hours. If necessary oxygen respiration treatment. Advice for firefighters, Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit. Additional information: Eliminate all ignition sources if safe to do so. Cool endangered receptacles with water spray. Use large quantities of foam as it is partially destroyed by the pro- medical help. 	4 First-aid I	
Stringuishing media • Advice for firefighters, Protective equipment: • Suitable extinguishing agents: • Advice for firefighters, Protective equipment: • CO2, extinguishing powder or water spray. Fight larger fires with water • spray or alcohol resistant foam. • Advice for firefighters, Protective equipment: • For safety reasons unsuitable extinguishing agents: None. • Special hazards arising from the substance or mixture Eliminate all ignition sources if safe to do so. • Cool endangered receptacles bursting because of high vapor pressure if heated. Use large quantities of foam as it is partially destroyed by the processing from the substance or mixture	 General information: Take affected persons out into the fresh air. Do not leave affected persons unattended. After inhalation: Supply fresh air; consult doctor in case of complaints. Provide oxygen treatment if affected person has difficulty breathing. In case of irregular breathing or respiratory arrest provide artificial respiration. After skin contact: In cases of frostbite, rinse with plenty of water. Do not remove clothing. Seek immediate medical advice. After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing: Unlikely route of exposure. Do not induce vomiting; immediately call for 	Breathing difficulty Coughing Dizziness Disorientation Unconsciousness • Danger: Danger of pulmonary edema. Danger of impaired breathing. Harmful if swallowed. Suspected of causing cancer. May be fatal if swallowed and enters airways. Suspected of damaging fertility or the unborn child. • Indication of any immediate medical attention and special trea ment needed: Treat frost-bitten areas appropriately. Medical supervision for at lea
1	 Extinguishing media Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. For safety reasons unsuitable extinguishing agents: None. Special hazards arising from the substance or mixture Danger of receptacles bursting because of high vapor pressure if heated. 	 Advice for firefighters, Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit. Additional information: Eliminate all ignition sources if safe to do so.

Safety Data Sheet acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 Regulations

Page 3 of 6	Trade name:	Engine Primin	g Fuel SDS	
	6 Accident	al release measu	res	
Use respirator aerosol. Wear protectiv Ensure adequa Keep away fro Protect from he Environmenta Do not allow to	m ignition sources. eat. I precautions o enter sewers/ surface or ground water. ive authorities in case of seepage into water course or	 Methods and material for containment and cleaning up Allow to evaporate. Absorb liquid components with non-combustible liquid-binding mate Send for recovery or disposal in suitable receptacles. Reference to other sections See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. 		
	7 Handl	ing and storage		
Use only in we Information at Keep ignition s Protect against Pressurized co peratures exce or burn, even a	br safe handling: Il ventilated areas. bout protection against explosions and fires: ources away - Do not smoke. t electrostatic charges. ntainer: protect from sunlight and do not expose to tem reding 120 °F / 49 °C, i.e. electric lights. Do not pierc ofter use. n a naked flame or any incandescent material.	Requireme Observe of tainers. Information Store away Further information Store in a construction Store in a construction Specific end		
	8 Exposure cont	rols/personal pro	tection	
Control parame Components v	ters vith limit values that require monitoring at the wor	(place:		
60-29-7 diethyl ether		124-38-9 Car	bon dioxide	
PEL (USA) TLV (USA)	Long-term value: 1200 mg/m³, 400 ppm Short-term value: 1520 mg/m³, 500 ppm Long-term value: 1210 mg/m³, 400 ppm	PEL (USA) REL (USA)	Long-term value: 9000 mg/m³, 5000 ppm Short-term value: 54,000 mg/m³, 30,000 ppm Long-term value: 9000 mg/m³, 5000 ppm	
EL (Canada) EV (Canada)	Short-term value: 500 ppm Long-term value: 400 ppm Short term value: 1 515 ma/m³ 500 ppm	TLV (USA)	Short-term value: 54,000 mg/m³, 30,000 ppm Long-term value: 9000 mg/m³, 5000 ppm	
	Short-term value: 1.515 mg/m ³ , 500 ppm Long-term value: 1,210 mg/m ³ , 400 ppm Short-term value: 500 ppm	EL (Canada)	Short-term value: 15000 ppm Long-term value: 5000 ppm Short term value: 54.000 ppm	

C

60-29-7 diethy			124-38-9 Carb	on dioxide
PEL (USA) TLV (USA)	Long-term value: 1200 mg/m ³ , 400 ppm Short-term value: 1520 mg/m ³ , 500 ppm Long-term value: 1210 mg/m ³ , 400 ppm		PEL (USA) REL (USA)	Long-term value: 9000 mg/m³, 5000 ppm Short-term value: 54,000 mg/m³, 30,000 ppm Long-term value: 9000 mg/m³, 5000 ppm
EL (Canada)	Short-term value: 500 ppm Long-term value: 400 ppm		TLV (USA)	Short-term value: 54,000 mg/m³, 30,000 ppm Long-term value: 9000 mg/m³, 5000 ppm
EV (Canada)	Short-term value: 1.515 mg/m³, 500 ppm Long-term value: 1,210 mg/m³, 400 ppm		EL (Canada)	Short-term value: 15000 ppm Long-term value: 5000 ppm
LMPE (Mexico)	Short-term value: 500 ppm Long-term value: 400 ppm		EV (Canada)	Short-term value: 54,000 mg/m³, 30,000 ppm Long-term value: 9,000 mg/m³, 5,000 ppm
			LMPE (Mexico)	Short-term value: 30000 ppm Long-term value: 5000 ppm
64-17-5 Ethan			75-00-3 chloro	bethane
PEL (USA) REL (USA) TLV (USA) EL (Canada) EV (Canada) LMPE (Mexico)	Long-term value: 1900 mg/m ³ , 1000 ppm Long-term value: 1900 mg/m ³ , 1000 ppm Short-term value: 1880 mg/m ³ , 1000 ppm Short-term value: 1000 ppm Long-term value: 1,900 mg/m ³ , 1,000 ppm Long-term value: 1000 ppm A3		PEL (USA) REL (USA) TLV (USA) EL (Canada) EV (Canada) LMPE (Mexico) A3, PIEL	Long-term value: 2600 mg/m ³ , 1000 ppm Handle with caution; See Pocket Guide App. C Long-term value: 264 mg/m ³ , 100 ppm Skin Long-term value: 100 ppm Skin Long-term value: 100 ppm Long-term value: 100 ppm
108-88-3 Tolue		EL /0		
PEL (USA)	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift	EL (Canada) EV (Canada)	R	
REL (USA)	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm	LMPE (Mexico) Long-term value: 20 ppm A4, IBE		
TLV (USA)	Long-term value: 75 mg/m³, 20 ppm BEI		, T, IDC	



8 Exposure controls/personal protection, continued

			NYO 1212 Q	
Ingredients	with	hiological	limit valu	es:

	with biological limit values:											
108-88-3 Tol		0.00 "	г	0.2 mala creatining								
BEI (USA)	0.02 mg/L	0.03 mg/L		0.3 mg/g creatinine Medium: urine								
	Medium: blood	Medium: urine		Time: end of shift								
	Time: prior to last shift of workweek	Time: end of shift			vith hydrolysis (background)							
	Parameter: Toluene	Parameter: Toluen			Mil Hydrolysis (baokground)							
Exposure co				n of hands:								
General prot	tective and hygienic measures:		Protective	gioves	meable and resistant to the produc							
	recautionary measures for handling chem	cals should be fol-			meable and resistant to the produce							
lowed.				ance/ the preparation.								
Keep away f	rom foodstuffs, beverages and feed.		· Eye prote									
Immediately	remove all soiled and contaminated cloth	ling.	Safety gla									
	before breaks and at the end of work.		· Body pro									
	e gases / fumes / aerosols.			red under normal condition	ons of use.							
	ct with the eyes and skin.	hla		may be required for spi								
	controls: No relevant information availa	DIC.	· Limitation	n and supervision of e	posure into the environment							
Breathing e				nt information available.								
Not required	I under normal conditions of use. e respiratory protective device when high	concentrations are			o relevant information available.							
present.	respiratory protective device when high			•								
present.		9 Physical and che	mical prope	rties								
Information	on basic physical and chemical prope		·Explosion	11 m (11)								
· Appearance					1.8 Vol %							
Form	z. 	gas	Upper:									
		940	·Oxidizing	properties:	Non-oxidizing.							
Odor:	Sweetish, et	her-like	· Vapor pressure: Not determined.									
Vuoli		· Density:										
nH-value:	Not determir	ied.	Relative density: Not determined.									
Melting point/Melting range:Not determined. Boiling point/Boiling range:		Vapor density:Not determined. Evaporation rate:Not applicable. • Solubility in / Miscibility with Water:Partly miscible.										
						· Flammabili	ty (solid, gaseous): Not applicab	le.	· Partition coefficient (n-octanol/water):Not determined.			
						· Auto-ignitic	on temperature: 175 °C (347	°F)	· Viscosity	11 •	Not determined	
· Decomposi	ition temperature: Not determin	ned.	Dynamic: Not determined.									
· Danger of e	explosion: May form ex	plosive peroxides.	Kinematic:									
				and the second state of th								
		10 Stability ar		and the second								
	No relevant information available.			ns to avoid								
· Chemical s	tability:	J.	Store away from oxidizing agents. Keep ignition sources away - Do not smoke.									
Thermal de	composition / conditions to be avoide	a:	Incompatible materials: Oxidizers									
No decompos	sition if used and stored according to spe	procedure if heated	Hazardous decomposition products Under fire conditions only:									
Danger of rec	ceptacles bursting because of high vapor	pressure il riealeu.										
·Possibility	of hazardous reactions	Danger of Explo-	 South and the state of the stat	pnoxide and carbon dioxi	ide							
Can react violently with oxygen rich (oxidizing) material. Danger of Explo- sion. Immediately flammable in air. Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized. Used empty containers may contain product gases			Additional information: Antioxidant has been added to product to									
				tion of peroxides.	,							
			tara torrita									
sprayed of a	xplosive mixtures with air.	num product guoco										
	API03146 HINUIGS WITH dit.	11 Toxicologica	al informatio	on								
	n on toxicological effects			9-7 diethyl ether								
	city: Harmful if swallowed.			Oral LD50	1,215 mg/kg (rat)							
- 1 D/I C50 v	alues that are relevant for classificatio	n:	1	Inhalative LC50/4h	73,000 mg/l (rat)							
ATE (Acute Toxicity Estimate)			75-00-3 chloroethane									
Or		g (rat)	Inhalative LC50/4h 160 mg/l (rat)									
				© 2	019, KBi Form # 131391 (USA, Canad							

Prepared 09/19/2019

Safety Data Sheet acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 Regulations

A CONTRACTOR OF A DESCRIPTION		de name: E	formation, con	-		
Drimony insitent affect	11.	UNICOLOGICAL II				
 Primary irritant effect: On the skin: Irritant to skin and mucous membranes. On the eye: No irritating effect. Sensitization: No sensitizing effects known. Subacute to chronic toxicity: Vapors have narcotic effect. IARC (International Agency for Research on Cancer): 64-17-5 Ethanol 1 NTP (National Toxicology Program): None of the ingredients are listed. OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients are listed. Probable route(s) of exposure: None Acute effects (acute toxicity, irritation and corrosivity): Harmful if swallowed. May be fatal if swallowed and enters airways. Vapors have narcotic effect. 			 Repeated dose toxicity: Possible risk of irreversible effects. Germ cell mutagenicity: Based on available data, the classification criteria are not met. Carcinogenicity: Based on available data, the classification criteria are not met. Reproductive toxicity: Suspected of damaging fertility or the unbechild. STOT-single exposure: May cause drowsiness or dizziness. STOT-repeated exposure: Based on available data, the classification criteria are not met. Aspiration hazard: May be fatal if swallowed and enters airways. 			
aporo nave narodio eneol.		12 Ecologi	al information			
Toxicity		12 LUNUGI		ecological information		
 Aquatic toxicity: Toxic for aquatic organisms Persistence and degradability: No relevant information available. Bioaccumulative potential: No relevant information available. Mobility in soil: No relevant information available. Ecotoxical effects: Remark: Very toxic for fish 		 General notes: Avoid release to the environment. Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects: No relevant information available. 				
		13 Disposal	considerations		vant mornation ava	
			disposal for should be trea · Uncleaned	leral laws and regula hazardous and non ated as hazardous. packagings lation: Disposal must b	hazardous wastes.	Residual material
		14 Transpo	rt information			
ADR 3161 LIQUEFIED IMDG LIQUEFIED GAS IATA LIQUEFIED GAS, Transport hazard class(e DOT Class 2 Gases.	e nmable, n.o.s. (Diethyl ether) GAS, FLAMMABLE, N.O.S. (i FLAMMABLE, N.O.S. (DIET FLAMMABLE, N.O.S. (DIET S) · ADR · ADR · Class 2 2F Gases	THYL ETHER), HYL ETHER) HYL ETHER)	MARINE POLL	· IATA · Class 2.1	ous	
· Label 2.1	· Label 2.1	· Label 2	2.1	· Label 2.1		
Packing group Environmental hazards: Marine pollutant: Special marking (ADR): Special marking (IATA):	This UN-number is not assi ing group Naptha (petroleum), hydrotr Yes, Symbol (fish and tree) Symbol (fish and tree) Cargo Aircraft Only.	ā ā	Danger coc EMS Numb Transport IBC Code: UN "Model		3161, Liquefied gas	RPOL73/78 and th

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for	· Proposition 65 (California)
the substance or mixture	Chemicals known to cause cancer:
United States (USA)	64-17-5 Ethanol
SARA	75-00-3 chloroethane
Section 302 (extremely hazardous substances):	· Chemicals known to cause developmental toxicity for females:
None of the ingredients are listed.	None of the ingredients are listed.
· Section 355 (extremely hazardous substances):	· Chemicals known to cause developmental toxicity for males:
None of the ingredients are listed.	None of the ingredients are listed.
Section 313 (Specific toxic chemical listings):	· Chemicals known to cause developmental toxicity:
75-00-3 chloroethane	64-17-5 Ethanol
TSCA (Toxic Substances Control Act)	108-88-3 Toluene
All ingredients are listed.	· EPA (Environmental Protection Agency):
· Clean Air Act (CAA) Section 112(r) Accidental Release Prevention	108-88-3 Toluene II
(40 CFR 68.130):	· IARC (International Agency for Research on Cancer):
60-29-7 diethyl ether 10000	64-17-5 Ethanol 1
75-00-3 chloroethane 10000	· Canadian Domestic Substances List (DSL) (Substances not listed.):
	All ingredients are listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. These data are offered in good faith as typical values and not product specifications. The information in this data sheet is believed to be correct and reliable. However, the data is offered solely for consideration, evaluating and verification by the user. No guarantee, warranty, or representation of accuracy of completeness is expressed or implied. KBi/Kold-Ban International, Ltd. assumes no responsibility for any kind of loss or damage arising from use of this data.

· Abbreviations and acronyms:

Flam. Gas 1: Flammable gases - Category 1 Press. Gas: Gases under pressure - Compressed gas ADR: European Agreement concerning the International Carriage of Press, Gas: Gases under pressure - Liquefied gas Dangerous Goods by Road Flam, Lig. 1: Flammable liquids - Category 1 IMDG: International Maritime Code for Dangerous Goods Flam. Liq. 2: Flammable liquids - Category 2 DOT: US Department of Transportation IATA: International Air Transport Association Acute Tox. 4: Acute toxicity - Category 4 CAS: Chemical Abstracts Service (division of the American Chemical Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Society) Carc. 2: Carcinogenicity - Category 2 LC50: Lethal concentration, 50 percent Repr. 2: Reproductive toxicity - Category 2 LD50: Lethal dose, 50 percent STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 PBT: Persistant, Bio-accumulable, Toxic STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2 vPvB: very Persistent and very Bioaccumulative Asp. Tox. 1: Aspiration hazard - Category 1 OSHA: Occupational Safety & Health Administration

· Sources

Website, European Chemicals Agency (echa.europa.eu) Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/ overview/home.do) Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org) Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6 Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5. Safety Data Sheets, Individual Manufacturers SDS Prepared by: ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com