	SAFETY D	ATA SHEE	T			
	SECTION 1 ◆ I	DENTIFICATION	ON .			
Magellan Midstream Partners One Williams Center Tulsa, OK 74172		For Emergency	Source Informa	or +1 (760) 602-		
GHS Product Identifiers Transportation Mixture and Transmix	CHEMICAL FAMI Hydrocarbon	LY: Petroleum		ES: Used primarily as a rinternal combustion		
SECT	ION 2 * HAZA	RDS IDENTIFI	CATION			
	GHS CLAS	SIFICATIONS				
Aspiration Hazard - Category 1	Carcinogenicity		Flammable L	iquid - Category 1		
Germ Cell Mutagenicity - Category 1B	Hazardous to the Environment – A Category 3		Skin Corrosio Category 2	on/Irritation -		
Specific Target Organ Toxicity (Re Category 1 (liver, kidneys, bladder marrow, nervous system)			Organ Toxicity	(Single Exposure) - on, narcosis)		
Hazardous to the Aquatic Environment – Chronic Hazard - Category 2 Eye Damage/Irritation - Category 2B Toxic to Reproduction - 1A						
	GHS LABE	L ELEMENTS				
	Trar	nsmix				
C	HS PICTOGRAMS			SIGNAL WORD		
	> <		<u>(!)</u>	DANGER		
,	HAZARD S	TATEMENTS				
Causes damage to organs (liver, kidner bone marrow, nervous system) thro repeated exposure.		May be fat	al if swallowed a	nd enters airways.		
Causes skin irritation.	Harmful to a	quatic life.	Extremely flamr	nable liquid and vapor.		
May damage fertility or the ur			cause drowsiness			
May cause genetic defects.	· · · · · · · · · · · · · · · · · · ·	iratory irritation.	May	cause cancer.		
		RY STATEMENTS				
V		ention V		11		
Keep away from heat/sparks/open flan Ground/bond container and receiving		Use only non-spa		losed.		
Use explosion-proof electrical/ ventila			irking tools.			
Take precautionary measures against		Keep out of reach	h of children.			
Wear protective gloves/protective clos						
Wash hands and forearms thoroughly	after handling.	Obtain special in				
Do not breathe mist/vapors/spray.		Use only outdoor				
Do not eat, drink or smoke when using		Avoid release to	the environment.			
Do not handle until all safety precauti	ons have been read a	and understood.				

Response

In case of fire: Use water spray, fog, dry chemical fire extinguishers or hand held fire extinguisher.

IF exposed or concerned: Get medical advice/attention.

IF ON SKIN (or hair): Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or doctor/physician if you feel unwell.

Get medical advice/attention if you feel unwell.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting.

Storage

Store in a well-ventilated place Keep cool Store locked up Keep container tightly closed

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

SUPPLIER INFORMATION

Magellan Midstream Partners One Williams Center Tulsa, OK 74172

SECTION 3 ▼ COMPOSITION/INFORMATION OF INGREDIENTS

NOTE: Transmix is the trade/industry name for mixtures of refined petroleum products in unknown concentrations.

Ingredient	CAS NUMBER	PERCENTAGE (%)
Mixed Refined Petroleum Hydrocarbons	Not Applicable	100
Diesel Fuels	68476-34-6	0-100
Gasoline	8006-61-9	0-100
Toluene	108-88-3	<30
Ethyl benzene	100-41-4	<5
Naphthalene	91-20-3	<5
Xylenes (o-, m-, p- isomers)	1330-20-7	<30
Isopropyl ether	108-20-3	<30
Ethyl tert-butyl ether	637-92-3	<30
tert-Amyl methyl ether	994-05-8	<30
Ethyl alcohol	64-17-5	0-1
Hexane	110-54-3	<10
Heptane	142-82-5	<2
Benzene	71-43-2	<10
Trimethyl benzene	25551-13-7	<5
1,2,4-Trimethyl benzene	95-63-6	<5
n-Nonane	111-84-2	<3
Cumene	98-82-8	<5
Cyclohexane	110-82-7	<5
Styrene	100-42-5	<1

SECTION 4 + FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids, Get Medical Aid.

SKIN: Quickly remove contaminated clothing and immediately wash skin with plenty of soap and water for at least 15 minutes. Get medical aid if irritation develops or persists.

INGESTION: Do not induce vomiting. Call a physician and/or transport to an emergency facility immediately.

INHALATION: Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give cardiopulmonary resuscitation. If breathing is difficult, give medical oxygen.

NOTE TO PHYSICIAN: TREAT SYMPTOMATICALLY AND SUPPORTIVELY

SECTION 5 # FIRE-FIGHTING MEASURES

SEE SECTION 9 FOR FLAMMABILITY PROPERTIES

EXTREMELY FLAMMABLE! This material releases vapors at or below ambient temperatures. When mixed with air in certain proportions and exposed to an ignition source, these vapors can burn in the open or explode in confined spaces. Being heavier than air, flammable vapors may travel long distances along the ground before reaching a point of ignition and flashing back.

SUITABLE EXTINGUISHING MEDIA: Water fog, dry chemical, foam, or Carbon Dioxide. Use water spray to cool nearby containers and structure exposed to fire. Water fog or spray are of value in cooling tanks and containers but may not achieve extinguishment.

HAZARDOUS REACTIONS/DECOMPOSITION: Burning or excessive heating may produce carbon monoxide and carbon dioxide, also other harmful gases/vapors including oxides and/or other compounds of chlorine, manganese, and bromine.

SPECIAL PROTECTIVE ACTIONS FOR FIREFIGHTERS: For fires involving this material, do not enter any enclosed or confined space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies. If firefighters cannot work upwind of the fire, respiratory protective equipment must be worn. Cool tanks and containers exposed to fire with water. Burning liquid will float on water. Notify appropriate authorities if liquid enters sewer/waterways.

SECTION 6 & ACCIDENTAL RELEASE MEASURES									
PERSONAL PRECAUTIONS	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Use personal protective equipment. All equipment used when handling the product must be grounded. Ensure adequate ventilation. Take precautionary measures against static discharges. Keep people away from and upwind of spill/leak. Stop leak if you								
METHODS FOR CONTAINMENT	can do so without risk. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Dike far ahead of liquid spill for later disposal.								
METHODS FOR CLEANING UP	Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal.								
OTHER INFORMATION	Water spray may reduce vapor but may not prevent ignition in closed spaces.								
SECTION 7 💥 HANDLING AND STORAGE									
Prior to working with this	product workers should be trained on its proper handling and storage								
PRECAUTIONS FOR SAFETY HANDLING	 Use only as a motor fuel. Do not siphon by mouth. Handle as a flammable liquid. Keep away from heat, sparks, and open flame! Electrical equipment should be approved for classified area. Bond and ground containers during product transfer to reduce the possibility of static-initiated fire or explosion. Special slow load procedures for "switch loading" must be followed to avoid the static ignition hazard that can exist when higher flash point material (such as fuel oil) is loaded into tanks previously containing low flash point products (such as this product) - see API Publication 2003, "Protection Against Ignitions Arising Out Of Static, Lightning and Stray Currents." 								
STORAGE PROCEDURES	 Keep away from flame, sparks, excessive temperatures and open flame. Use approved vented containers. Keep containers closed and clearly labeled. Empty product containers or vessels may contain explosive vapors. Do not pressurize, cut, heat, weld or expose such containers to sources of ignition. Store in a well-ventilated area. This storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". 								



1,300 ppm

800 ppm

250 ppm

700 ppm

	> Avoid storage near incompatible materials.
INCOMPATIBILITIES	> Keen away from strong oxidizers

SECTION 8 # EXPOSURE CONTROLS / PERSONAL PROTECTION EXPOSURE LIMITS

Chemical Name ACGIH TLV (2013) OSHA PEL NIOSH IDLH TWA: 100 mg/M^3 (Skin) Diesel Not Applicable Not Applicable TWA: 300 ppm Gasoline Not Applicable Not Applicable STEL: 500 ppm TWA: 20 ppm Toluene TWA: 200 ppm 500 ppm TWA: 100 ppm Xylenes (all isomers) TWA: 100 ppm 900 ppm STEL: 150 ppm TWA: 250 ppm Isopropyl ether TWA: 500 ppm 1400 ppm STEL: 310 ppm Ethyl tert-butyl ether TWA: 25 ppm Not Applicable Not Applicable tert-Amyl methyl ether TWA: 20 ppm Not Applicable Not Applicable Ethyl alcohol TWA: 1,000 ppm 3,300 ppm TWA: 1.000 ppm Hexane TWA: 50 ppm (Skin) TWA: 500 1,100 ppm TWA: 0.5 ppm TWA: 1 ppm Benzene 500 ppm STEL: 2.5 ppm (Skin) STEL: 5 TWA: 200 ppm n-Nonane Not Applicable Not Applicable Trimethyl benzene TWA: 25 ppm Not Applicable Not Applicable TWA: 400 ppm TWA: 500 ppm 750 ppm Heptane STEL: 500 ppm 1,2,4-Trimethyl benzene TWA: 25 ppm Not Applicable Not Applicable TWA: 50 ppm 900 ppm Cumene TWA: 50 ppm

ENGINEERING MEASURES: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits and flammability limits, particularly in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

TWA: 100 ppm

TWA: 20 ppm

TWA: 10 ppm STEL: 15 ppm

Skin TWA: 20 ppm

STEL: 40 ppm

TWA: 300 ppm

TWA: 100 ppm

TWA: 10 ppm

TWA: 100 ppm

Ceiling: 200

PERSONAL PROTECTIVE EQUIPMENT

Cyclohexane

Ethyl benzene

Naphthalene

Styrene

Personal Protective Equipment: Respiratory

Use a properly fitted, air-purifying or air-supplied respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workplace exposure limits for product or components are exceeded, NIOSH approved equipment should be worn. Proper respirator selection should be determined by adequately trained personnel, based on the contaminants, the degree of potential exposure and published respiratory protection factors. This equipment should be available for non-routine and emergency use.

Personal Protective Equipment: Hands

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Personal Protective Equipment: Eyes



Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, or mists. Keep away from eyes. Eye contact can be avoided by wearing safety glasses or chemical splash goggles.

Personal Protective Equipment: Skin and Body

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Keep away from skin. Skin contact can be minimized by wearing protective gloves such as neoprene, nitrile-butadiene rubber, etc. and, where necessary, impervious clothing and boots. Leather goods contaminated with this product should be discarded. A source of clean water should be available in the work area for flushing eyes and skin. Flame Retardant Clothing is recommended.

SECTION 9 ♦ PHYSICAL AND CHEMICAL PROPERTIES

NOTE: Many properties are estimated due to varying concentrations in the mixture.

BOILING POINT (760 MM HG): 120-350 °F / 49-177 °C	PERCENT VOLATILE BY VOLUME: Slight - 100%
SPECIFIC GRAVITY ($H_2O = 1$): 0.72	VISCOSITY UNITS, TEMP: < 1.4 cSt @ 37.7 °C
EVAPORATION RATE (BuAc = 1): Unavailable	VAPOR DENSITY (AIR =1): 3-4
VAPOR PRESSURE AT 25°C: 200-700 mm Hg	SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Clear to dark brown colored	liquid; petroleum distillates odor.
FLASH POINT: (Method Used) -40 °F/-40 °C	LEL: 1.2%
FLAMMABLE LIMITS:	UEL: 8%
AUTOIGNITION TEMPERATURE: ~ 482 °F /250 °C	VOC CONTENT: 100%

SECTION 10 X STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures

HAZARDOUS REACTION POTENTIAL: Will not occur

CONDITIONS TO AVOID: Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources.

INCOMPATIBLE PRODUCTS: Keep away from strong oxidizers.

MATERIALS TO AVOID: Contact with nitric and sulfuric acids will form nitrocresols that can decompose violently.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

HAZARDOUS POLYMERIZATION: Has not been reported

OTHER PHYSICAL AND CHEMICAL PROPERTIES: If uninhibited, gasoline will cause rusting of copper and alloys containing copper.

SECTION 11 & TOXICOLOGICAL INFORMATION

DIESEL FUELS

Diesel may be irritating to the eyes, respiratory system and skin. The main hazard associated with diesel is chemical pneumonitis that may arise following aspiration of liquid or inhalation of mist/vapor.

				Toxicity				
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
LD _{50(oral)}	Rat	5,001 mg/Kg	LD _{50(dermal)}	Rabbit	2,001 mg/Kg	LC _{50(inh)}	Rat (4 hours)	7.64 mg/l

RTECS #: LS9142500

GASOLINE

Aspiration of gasoline into the lungs will cause chemical pneumonia. Liquid, mist, or vapors can cause eye, skin and respiratory tract irritation and CNS depression. Mild eye irritation may result from contact with liquid, mist, and/or vapors. Liquid may penetrate skin to cause central nervous system depression. Vapor penetration can also cause systematic effects. Skin irritation or more serious disorders may occur upon prolonged and repeated contact due to



skin defatting. Irritation of the mouth, throat, and gastrointestinal tract leading to nausea, vomiting, diarrhea and restlessness. CNS Depression similar to that caused by vapor inhalation. Exposure can cause irritation to the nose, throat, and lungs and signs of CNS depression (dizziness, drowsiness, loss of coordination, coma and death), depending on the concentration/duration of exposure. Long-term exposure to unleaded gasoline has also produced kidney damage in laboratory animals. The exact relationship between these results and possible human effects is not known. Persons with pre-existing skin disorders, impaired liver or kidney function, or CNS and chronic respiratory diseases should avoid exposure to this material. This material may contain benzene at concentrations above 0.1%. Benzene is considered to be a known human carcinogen by OSHA, IARC and NTP.

				Toxicity				
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
LD _{50(oral)}	Rat	Not Available	LD _{50(dermal)}	Rabbit	Not Available	LC _{50(inh)}	Rat (5 minutes)	300 g/M^3

RTECS #: LX3300000

TOLUENE

The most common effect of overexposure to toluene is irritation of the mucous membranes, skin and central nervous system depression (headaches, lassitude, light-headedness, incoordination, fatigue, decreased reaction time, etc.). Unlike closely related compound benzene, toluene does not appear to be toxic to the bone marrow. No synergistic effects data available. For the skin, prolonged and repeated exposure can caused defatting and dermatitis.

effects data av	effects data available. For the skin, prolonged and repeated exposure can caused defatting and dermatitis.									
				To	XICITY					
	Specie	Result		S_{l}	pecie	Result			Specie	Result
LD _{50(oral)}	Rat		LD _{50(dermal)}	R	abbit		LC ₅₀	O(inh)		49 g/M^3
Specific organ toxicity, single exposure: No data available Specific organ toxicity available Specific organ toxicity available							ity, rep	eated 6	exposure: No	data
			C	CARCIN	OGENIC	CITY				
IARC	Inad	equate evider animals	nce in	Inadeo	quate ev	idence in hum	nans	Grou	p 3: not classi human carcin	

NTP		Carcinogen CTAGENICITY, TERATOGENICITY AND REPRODUCTIVE EFFECTS Cation: No data available Teratogenicity: Genotoxicity in vitro-ra and DNA damage Teratogenicity: Developmental-rat: Fetotoxicity fetus. Suspected human reproductive toxicity.					
California (l	Prop 65):	NIOSH. Not Listed	ACGIH: A4-Not Classifiable As Human	OSHA: Not			
Listed as car	rcinogen	NIOSH: Not Listed	Carcinogen Li				
	MUTAGENICITY, TERATOGENICITY AND REPRODUCTIVE EFFECTS						
Despiratory or Clain consitiration: No data available			Germ cell mutagenicity: Genotoxicity in vitro-rat: Liver				
Respiratory of S	ory or Skin sensitization: No data available		and DNA damage				
Reproductive to	xicity: Have	been shown in	Teratogenicity: Developmental-rat: Fetotoxicity, stunt				
male/female rats			fetus. Suspected human reproductive toxicity.				
Skin Corrosion/	irritation: Sk	in-rabbit: irritation over 24	Sarious ava damaga irritation rabbit: No d	oto ovojloblo			
hours			Serious eye damage, irritation -rabbit: No d	ata avamable			

RTECS #: XS5250000

Synergistic effects: No data available

XYLENE

Aspiration hazard: No data available

Xylene vapor may cause irritation of the eyes, nose, and throat. At high concentrations, xylene vapor may cause severe breathing difficulties which may be delayed in onset. At high concentrations, it may also cause dizziness, staggering, drowsiness, and unconsciousness. In addition, breathing high concentrations may cause loss of appetite, nausea, vomiting, and abdominal pain. Liquid xylene may be irritating to the eyes and skin. Exposure to high concentrations of xylene vapor may cause reversible damage to the kidneys and liver. Repeated or prolonged exposure to xylene may cause a skin rash. Repeated exposure of the eyes to high concentrations of xylene vapor may cause reversible eye damage.

				To	XICITY					
Type Of Dose	Specie	Result	ult Type Of Dose Specie Result Type Of Dose Specie					Result		
LD _{50(oral)}	Rat	4.3 g/kg	LD _{50(dermal)}	1 700 Rat				5,000 ppm		
Specific organ toxicity, single exposure: No data available Specific organ toxicity, repeated exposure: No data available									No data	
			C	ARCI	NOGENIC	CITY				
IARC	Inade	equate evider animals	nce in	Inade	quate ev	idence in hun	nans	Grou	up 3: not cla human car	ssifiable as a cinogen
NTP						Carcinogen				
,	Prop 65): No carcinogen	C	I: Occupati Carcinogen				inogen			OSHA: Not Listed
						D REPRODUC				
	or Skin sensiti			e		ell mutagenio				
	e toxicity: No				Terato	genicity: No o	data avail	able	;	
hours	on/irritation: S		irritation ov	er 24		s eye damage				ye irritation
	ffects: No dat	a available			Aspira	tion hazard: N	No data av	vaila	ıble	
RTECS #: Z	E2100000									
			Is	SOPRO	PYL ET	HER				
	iquid isoprop	yl ether may		ess and	d irritatio	on of the skin.				d or prolonged
Dose	Specie	Result	Dose	S	pecie	Result	Dose		Specie Rat	Result
LD _{50(oral)}	Rat	5.88 g/kg	LD _{50(dermal)}	R	Rabbit	20 mL/kg	LC _{50(ir}		(4 hours)	
Specific orga available	n toxicity, sir	igle exposur			availab		ıty, repea	ited	exposure: 1	No data
			C	ARCI	NOGENIC					
IARC						t Listed				
NTP		.			No	t Listed				OCTT A DI
	Prop 65): No carcinogen	NIOS	H: Not Lis			ACGIH:				OSHA: Not Listed
D						D REPRODUC				
	or Skin sensiti			e		cell mutagenio	•			-14
	e toxicity: mat al effects incl			tem.		genicity: Dev Suspected hu				
Skin Corrosic irritation	Skin Corrosion/irritation: Skin-rabbit: mild skin Serious eye damage irritation-rabbit: mild eye irritation							ye irritation		
	ffects: No dat	a available			Aspira	tion hazard: N	No data av	vaila	ıble	
RTECS #: TZ										
				N	ONANE					
	cause irritat	•		nd thr	oat. Ot		•			ne, drowsiness, neumonitis.
				10	AICHI					

MATERIAL NAME: Transmix



SDS #: MMP-002

Specific organ toxicity, single exposure: May cause drowsiness CARCINOGENICITY Society So	HA: Not
Specific organ toxicity, single exposure: May cause drowsiness	data HA: Not
Arconomic Arco	HA: Not
CARCINOGENICITY IARC Not Listed Not Listed Not Listed	
Not Listed Not	
Note	
California (Prop 65): Not Listed MUTAGENICITY, TERATOGENICITY AND REPRODUCTIVE EFFECTS	
Control Cont	
Respiratory or Skin sensitization: No data available Reproductive toxicity: No data available Reproductive toxicity: No data available Skin Corrosion/irritation: Testing showed no irritation Synergistic effects: No data available RTECS #: RA6115000 ##PTANE Heptane can affect the body if it is inhaled, comes in contact with the eyes or skin, or is swallowed. Hexane a narcotic and a mild upper respiratory irritant. Peripheral nerve damage has been reported to occur in workers to hexane vapors, characterized by progressive weakness and numbness in the extremities. ##PTANE ##PTANE Heptane can affect the body if it is inhaled, comes in contact with the eyes or skin, or is swallowed. Hexane a narcotic and a mild upper respiratory irritant. Peripheral nerve damage has been reported to occur in workers to hexane vapors, characterized by progressive weakness and numbness in the extremities. ##PTANE ##PTANE Heptane ##PTANE Heptane ##PTANE ##PTANE ##PTANE ##PTANE ##PTANE Heptane can affect the body if it is inhaled, comes in contact with the eyes or skin, or is swallowed. Hexane a narcotic and a mild upper respiratory irritant. Peripheral nerve damage has been reported to occur in workers to hexane vapors, characterized by progressive weakness and numbness in the extremities. ##PTANE ##PTANE ##PTANE Heptane ##PTANE ##P	Listed
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Heptane can affect the body if it is inhaled, comes in contact with the eyes or skin, or is swallowed. Hexane a narcotic and a mild upper respiratory irritant. Peripheral nerve damage has been reported to occur in workers to hexane vapors, characterized by progressive weakness and numbness in the extremities. TOXICITY Type Of Dose Specie Result Type Of Dose Specie Result Type Of Dose Specie Dose Specie Dose Specie Dose Specie Spec	
a narcotic and a mild upper respiratory irritant. Peripheral nerve damage has been reported to occur in workers to hexane vapors, characterized by progressive weakness and numbness in the extremities. Type Of Dose Specie Result Type Of Dose Specie Result Type Of Dose Specie Result No Data LC50(inh) Rat (4 hours) Specific organ toxicity, single exposure: May cause drowsiness TARC Specific organ toxicity, single exposure: May cause drowsines Specific organ toxicity, repeated exposure: Not Listed NTP Not Listed Specific organ toxicity, single exposure: Not Listed Specific organ toxicity, repeated exposure: Not	vapor is
Specific organ toxicity, single exposure: May cause drowsiness CARCINOGENICITY Not Listed	Result
Specific organ toxicity, single exposure: May cause drowsiness CARCINOGENICITY IARC Not Listed Not Listed California (Prop 65): Not Listed NIOSH: Not Listed MUTAGENICITY, TERATOGENICITY AND REPRODUCTIVE EFFECTS Respiratory or Skin sensitization: No data available Reproductive toxicity: No data available Skin Corrosion/irritation: Testing showed no irritation Specific organ toxicity, repeated exposure: No available Teratogenicity, repeated exposure: No available CARCINOGENICITY Not Listed ACGIH: Not Listed Loud Corrosion/irritation: No data available Teratogenicity: No data available Serious eye damage, irritation-rabbit: mild eye in available in the control of the corrosion of	03 g/M^3
IARC Not Listed Not Listed California (Prop 65): Not Listed NIOSH: Not Listed ACGIH: Not Listed MUTAGENICITY, TERATOGENICITY AND REPRODUCTIVE EFFECTS Respiratory or Skin sensitization: No data available Reproductive toxicity: No data available Skin Corrosion/irritation: Testing showed no irritation CARCINOGENICITY Not Listed ACGIH: Not Listed COSH LISTER ACGIH: Not Listed COSH LISTER COSH	data
Not Listed Not Listed	
Not Listed California (Prop 65): Not Listed NIOSH: Not Listed ACGIH: Not Listed MUTAGENICITY, TERATOGENICITY AND REPRODUCTIVE EFFECTS Respiratory or Skin sensitization: No data available Reproductive toxicity: No data available Reproductive toxicity: No data available Skin Corrosion/irritation: Testing showed no irritation Not Listed ACGIH: Not Listed L Teratogenicity: No data available Teratogenicity: No data available Serious eye damage, irritation-rabbit: mild eye in the control of the control	
Listed MUTAGENICITY, TERATOGENICITY AND REPRODUCTIVE EFFECTS Respiratory or Skin sensitization: No data available Reproductive toxicity: No data available Skin Corrosion/irritation: Testing showed no irritation ACGIH: Not Listed L ACGIH: Not Listed L Teratogenicity: No data available Serious eye damage, irritation-rabbit: mild eye in the control of the c	
Respiratory or Skin sensitization: No data available Reproductive toxicity: No data available Skin Corrosion/irritation: Testing showed no irritation Germ cell mutagenicity: No data available Teratogenicity: No data available Serious eye damage, irritation-rabbit: mild eye in	IA: Not isted
Reproductive toxicity: No data available Skin Corrosion/irritation: Testing showed no irritation Teratogenicity: No data available Serious eye damage, irritation-rabbit: mild eye i	
Skin Corrosion/irritation: Testing showed no irritation	
Synergistic effects: No data available Aspiration hazard: No data available	rritation
RTECS #: MI7700000	
ETHYL TERT-BUTYL ETHER	
Acute exposures may cause respiratory tract irritation. May cause nausea, dizziness, and headache. Chronic i may lead to decreased pulmonary function. Prolonged or repeated exposure affects the nervous system. This shown to cause testicular lesions in rat inhalation studies. In a human inhalation study, there were slight but s decreases in the measures of pulmonary function. Chemical has not been thoroughly investigated.	has been
TOXICITY	
Type Of Type Of Type Of	Result

MATERIAL NAME: Transmix



SDS #: MMP-002

LD _{50(oral)}	Rat	>5 g/kg	LD _{50(dermal)}	Rabbit	>2 g/kg	LC _{50(inh)}	Rat (4 hours)	5.8 g/M ³		
Specific orga	n toxicity, si	ngle exposur	e: No data	Specif availal	ic organ toxic ole	ity, repeated		lo data		
			CA	RCINOGENIO	CITY					
IARC				No	ot Listed					
NTP				No	ot Listed					
	a (Prop 65): carcinogen	NIOS	H: Not Liste	ed	ACGIH:	Not Listed		OSHA: Not Listed		
					D REPRODUC					
Respiratory of					cell mutageni					
Reproductive	toxicity: No	data availab	ole		genicity: No o					
Skin Corrosi	on/irritation:	Skin-rabbit:	skin irritation	irritati				te eye		
Synergistic e RTECS #: K		ta available		Aspira	tion hazard: N	lo data availa	ble			
			TERT-A	MYL METHY	L ETHER					
	espiratory tra	act irritation.	Chronic exp	osure may				l if swallowed. abnormalities.		
			1	TOXICITY		1	T			
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result	Type Of Dose	Specie	Result		
$LD_{50(oral)}$	Rat	1.6 gm/kg	LD _{50(dermal)}	Rabbit	>3.16 g/kg	LC _{50(inh)}	Rat (4 hours)	31.8 g/M^3		
Specific orga drowsiness o	•	ngle exposur	e: may cause		Specific organ toxicity, repeated exposure: No data available					
			CA	RCINOGENI	CITY					
IARC				No	ot Listed					
NTP				No	ot Listed					
	a (Prop 65): carcinogen	NIOS	H: Not Liste	ed	ACGIH: Not Listed OSHA: N Listed					
			•		D REPRODUC					
Respiratory of				Germ	cell mutageni	city: No data	available			
Reproductive including em	-		•	th	Teratogenicity: No data available					
Skin Corrosi	on/irritation:	Skin-rabbit:	no skin irritat	ion Seriou	Serious eye damage, irritation-rabbit: no eye irritation					
Synergistic effects: No data available Aspiration hazard: No data available										
RTECS #: El	K4421000									
			\boldsymbol{E}	THYL ALCOR	HOL					
dizziness, un concentration	consciousnes n. Vapors ma pratory exper	ss and coma ay cause diz	. May cause ziness or suff	respiratory focation. Lo	tract irritation	n. May caus sure may car	se narcotic ouse reprodu	sea, headache, effects in high ctive and fetal er, kidney, and		
				TOXICITY						
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result	Type Of Dose	Specie	Result		

MATERIAL NAME: Transmix



SDS #: MMP-002

LD _{50(oral)}	Rat	7.06 g/kg	LD _{50(dermal)}	R	abbit	No Data	LC _{50(inh)}	Rat (10 hours)	20,000 ppm
Specific orga available	n toxicity, sin	ngle exposur	e: No data		Specifi	c organ toxici	ty, repeated	/	- 11
			CA	RCIN	OGENIC	CITY			
IARC					No	t Listed			
NTP					No	t Listed			
California (I Listed as	carcinogen	NIOS	H: Not Liste				Not Listed		OSHA: Not Listed
D : 4				GENIC		D REPRODUC			
Respiratory of Reproductive				orn	Germ c	ell mutagenic	eity: No data	avanabie	
including reta			ects on newoo	5111	Teratog	genicity: No d	ata available		
Skin Corrosio			skin irritation	ı	Serious Draize	s eye damage, Test	irritation-rab	obit: mild eye	irritation,
Synergistic e	ffects: No da	ta available			Aspirat	ion hazard: N	o data availa	ıble	
RTECS #: K	Q6300000								
				H	EXANE				
cause drowsi	ness and dizz	ziness. Chro	nic exposure	may esulte	cause liv	nervous systemer damage. A tagenic effect	Adverse repr		
Type Of			Tyma Of	10.	XICITY		Type Of		
Dose	Specie	Dose 1 Dose 1					Result		
LD _{50(oral)}	Rat	15.8 g/kg	LD _{50(dermal)}	R	abbit	No Data	LC _{50(inh)}	Rat (4 hours)	48,000 ppm
Specific orga drowsiness o		ngle exposur	e: May cause	e	damage	c organ toxici e to organs fro suse nervous s	om repeated of	or prolonged	
			CA	RCIN	OGENIC		<u> </u>	J	
Testicular tur	mors shown i	n rats.							
IARC						t Listed			
NTP		. 1			No	t Listed			0.077.4.37.4
California (la listed as	Prop 65): No carcinogen	ot NIOS	H: Not Liste	ed		ACGIH:	Not Listed		OSHA: Not Listed
	M	[UTAGENICI	гу, Teratoo	GENIC	CITY AN	D REPRODUC	TIVE EFFEC	TS	
Respiratory of					Germ c	ell mutagenic	ity: No data	available	
Reproductive reproductive damage fertil	disorders bas	sed on lab an			Teratog	genicity: No d	ata available		
Skin Corrosio			lable		Serious	eye damage,	irritation -ra	bbit: mild eye	irritation
Synergistic e	ffects: No da	ta available				ion hazard: N			
RTECS #: M	N9275000								
				BE	NZENE				
Acute inhalat depression. I staggering ga	Potential sym	ptoms of ove	erexposure by	inha i	lation ar	e dizziness, h			

Chronic exposures may cause bone marrow abnormalities with damage to blood forming tissues. May cause anemia and other blood cell abnormalities. Chronic exposure to benzene has been associated with an increased incidence of leukemia and multiple myeloma (tumor composed of cells of the type normally found in the bone marrow). This substance has caused adverse reproductive and fetal effects in laboratory animals.

substance ha	s caused adve	erse reproduc	tive and fet	tal effe	cts in lat	oratory anim	als.				
				Te	oxicity						
Type Of Dose	Specie	Result	Type Of Dose	S	pecie	Result		oe Of ose	Specie	•	Result
LD _{50(oral)}	Rat	930 mg/kg	LD _{50(dermal}	l) R	Rabbit	9.4 ml/kg	LC:	50(inh)	Mouse (4 hour		9,980 ppm
	Specific organ toxicity, single exposure: May cause drowsiness or dizziness					c organ toxic e to organs fro ause nervous	om rep	eated o	or prolonge		
			(CARCIN	NOGENIC	CITY					
IARC Sufficient evidence in animals Suff				Suffi	icient evidence in humans Group 1: classifiable as a hum						
NTP					Car	rcinogen					
	California (Prop 65): Listed as carcinogen NIOSH: Potential Occupational Carcinogen								SHA: Select Carcinogen		
	N.	IUTAGENICI	ΓY, TERAT	OGENI							
Respiratory of	or Skin sensit	ization: No d	lata availab	le	Germ cell mutagenicity: lab testing shows mutagenic effects (in vivo). Genotoxicity in humans (in vivo) lymphocyte. Genotoxic damage shown in mice.				vo)		
	Reproductive toxicity: inhalation toxicity in mouse, including embryonic and fetal effects including death				Teratogenicity: Rat inhalation include effects include stunted fetus and death Mouse inhalation include effects include cytological changes and abnormalities to blood and lymphatic system				clude gical		
Skin Corrosi	on/irritation:	will cause sk	in irritation	l	Serious eye damage, irritation -rabbit: mild eye irritation						
	ffects: damag	ge to bone ma	arrow			tion hazard: N					
RTECS #: C	Y1400000										
			TR	IMETE	HYL BEN	ZENE					
A4- :11-	4: CC 4		:	T1	4 : 1	. : . 1	C 41	l.:1.			, 1 C 11

Acute inhalation effects respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. May cause drowsiness, unconsciousness, and central nervous system depression. Vapors may cause dizziness or suffocation. Prolonged or repeated skin contact may cause dermatitis. May cause anemia and other blood cell abnormalities. Prolonged exposure may produce a narcotic effect. Prolonged or repeated exposure may cause nausea, dizziness, and headache.

				To	XICITY				
Type Of Dose	Specie	Result	Type Of Dose	S	pecie	Result	Type Of Dose	Specie	Result
LD _{50(oral)}	Rat	8.97 g/kg	LD _{50(dermal)}	R	abbit	No Data	LC _{50(inh)}	Rat (4 hours)	No Data
Specific organ toxicity, single exposure: No data available Specific organ toxicity, repeated exposure: No data available									
			CA	RCIN	OGENIC	CITY			
IARC					No	t Listed			
NTP					No	t Listed			
	Prop 65): No carcinogen	NIOS	H: Not Liste	d		ACGIH:	Not Listed		OSHA: Not Listed

	Mı	UTAGENICI	ΓΥ, TERATOC	GENI	CITY AN	D REPRODUC	TIVE EFFEC	TS		
Respiratory o					Germ cell mutagenicity: test performed on rats showed negative results					
Reproductive	toxicity: No	data availab	le		_	genicity: No d	lata available			
Skin Corrosio						eye damage,			e irritation	
Synergistic et	ffects: No data	a available				ion hazard: N				
RTECS #: DO	C3220000				un way	•				
			1,2,4 T	RIME	THYL B	ENZENE				
investigated. dizziness or s	May cause duffocation. Plities. Prolon	rowsiness, rolonged or ged exposur	unconsciousn repeated skin	ess, cont	and cent tact may	ral nervous s cause dermat	system depres itis. May cau	ssion. Vapo se anemia a	not been fully ors may cause nd other blood ure may cause	
-	·			To	XICITY					
Type Of Dose	Specie	Result	Type Of Dose	S	pecie	Result	Type Of Dose	Specie	Result	
LD _{50(oral)}	Rat	5.0 g/kg	LD _{50(dermal)}	R	abbit	No Data	LC _{50(inh)}	Rat (4 hours)	18 g/M^3	
Specific organ toxicity, single exposure: No data Specific organ toxicity, repeated exposure: No data								o data		
available available CARCINOGENICITY										
IARC Not Listed										
NTP										
California (I	Prop 65): No carcinogen	t NIOS	H: Not Liste	d	110		Not Listed		OSHA: Not Listed	
		UTAGENICI	гу, Teratoo	GENI	CITY AN	D REPRODUC	CTIVE EFFEC	TS		
Respiratory o	r Skin sensiti	zation: No d	ata available			ell mutagenic e results	city: test perfo	ormed on rat	s showed	
Reproductive	toxicity: No	data availab	le			genicity: No d	lata available			
Skin Corrosio	on/irritation: N	No data avai	lable			s eye damage,				
Synergistic et	ffects: No data	a available			Aspirat airway	tion hazard: N	May be fatal it	fswallowed	and enters	
RTECS #: D	C3325000									
				CI	JMENE					
	on, and unc	consciousne	ess. At vei	nd e ry h / cau	yes. It igh con	centrations,			siness, slight c symptoms	
Type Of Dose	Specie	Result	Type Of Dose		pecie	Result	Type Of Dose	Specie	Result	
LD _{50(oral)}	Rat	1.4 g/kg	LD _{50(dermal)}	R	abbit	No Data	LC _{50(inh)}	Rat (4 hours)	39 g/M ³	
Specific organ toxicity, single exposure: May cause respiratory irritation Specific organ toxicity, repeated exposure: No data available									o data	
respiratory irr	CARCINOGENICITY									
	Titation .		CA	RCIN						
IARC NTP	Tration		CA	RCIN	No	t Listed t Listed				

California (Po		NIOS	H: Not Liste	d		ACGIH:	Not l	Listed		OSHA: N Listed	
						D REPRODUC					
Respiratory or Sk sensitization)	negativ	cell mutagenione results			ormed on ra	its showed	
Reproductive tox	•					genicity: No d					
Skin Corrosion/ii	rritation: To	esting show	ed no irritation	on		s eye damage,					
Synergistic effect	ts: No data	available			Aspirat airway	tion hazard: M	1ay b	e fatal it	f swallowed	l and enters	3
RTECS #: GR8575000											
			C	YCL	OHEXAN	NE					
May cause respirskin contact may			nhalation of v				ss and	d dizzine	ess. Prolon	ged or repe	ated
				To	XICITY					1	
Type Of Dose S	Specie	Result	Type Of Dose	S	pecie	Result		pe Of Jose	Specie	Resu	
(***)	Rat	5 g/kg	LD _{50(dermal)}		abbit	>180 g/kg	LC	50(inh)	Rat (4 hours)	>9,50 ppm	
Specific organ to		gle exposure	e: May cause	;		c organ toxici	ity, re	peated of	exposure: 1	No data	
drowsiness or diz	zziness		C.		availab						
IARC	CARCINOGENICITY RC Not Listed										
NOT Listed NOT Listed											
California (Prop	. ,	NIOS	H: Not Liste	d	110	ACGIH:	Not l	Listed		OSHA: N	
				GENI		D REPRODUC					•
Respiratory or Sk						ell mutagenio			available		
Reproductive tox						genicity: No d			1.7. 11.1	• • • • •	
Skin Corrosion/ii	rritation: 1	esting show	ed no irritatio	on		s eye damage, tion hazard: M					
Synergistic effect		available			airway		Tay U	e iatai ii	Swallowed	i and enters	,
RTECS #: GU63	300000										
					BENZE						
Exposure to ethy irritation at conce Breathing lower	entrations of	of 200 ppm	. Breathing	very s and	high lev	els can cause	dizzi	ness an			
Type Of Dose S	Specie	Result	Type Of Dose		pecie	Result		pe Of Pose	Specie	Resu	ılt
LD _{50(oral)}	Rat	3.5 g/kg	LD _{50(dermal)}	R	abbit	17.8 mL/kg		50(inh)	Rat (4 hours	55 g/	M^3
Specific organ to available	xicity, sing	gle exposur	e: No data		Specifi availab	c organ toxici	ity, re	peated 6			
3.3			CA	RCIN	OGENIC						
IARC	Sufficient	evidence in				idence in hum	nans		Group 2B: rcinogenic	•	
								Cu		to mumans	

	a (Prop 65): carcinogen		I: Occupation Carcinogen	al ACG	I H: A4-Not Cl Carc	lassifiable As inogen	Human	OSHA: Possible Select Carcinogen
	M	[UTAGENICI	гу, Teratog	ENICITY AN	D REPRODUC	CTIVE EFFEC	TS	
Respiratory of					cell mutagenio			
Reproductive					genicity: No o			
Skin Corrosio			lable		s eye damage	<u> </u>		a available
	nergistic effects: No data available Aspiration hazard: No data available							
RTECS #: D	ECS #: DA0700000							
			N	APHTHALE	VE			
concern for h	umans expos	sed to naphth		er short or lo iver damage	ng periods of	time. Other e	ffects may i	primary health nclude nausea, mage.
			I	TOXICITY	T	T = 0.0	1	1
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
LD _{50(oral)}	Rat	490 mg/kg	LD _{50(dermal)}	Rabbit	>20 g/kg	LC _{50(inh)}	Rat (1 hour)	No Data
Specific orga available							lo data	
	1		CAI	RCINOGENIO	CITY	<u> </u>	G 4D 1	. '11
IARC	Sufficie	nt evidence i			idence in hun	nans ca	Group 2B: larcinogenic	•
NTP			Listed as reaso	onably antici	pated to be a	human carcir	nogen	
	(Prop 65): carcinogen		H: Not Listed			Not Listed		OSHA: Not Listed
			TY, TERATOG					
Respiratory o					cell mutagenio	•		
Reproductive					genicity: No o			imitatian
Synergistic e			ved no irritation		s eye damage tion hazard: N			e irritation
		ta available		Азрпа	tion nazaru. 1	NO data avaiia	ioic	
RTECS #: Q	20022000							
				STYRENE				
over 350 pp	m, irritation	is strong an		al impairme d at concent	nt is observe rations betwe	d. Central	nervous sys	entrations reacl tem depression
Type Of			Type Of	TOXICITY		Type Of	1	1
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
LD _{50(oral)}	Rat	2.65 g/kg	LD _{50(dermal)}	Rabbit	No Data	LC _{50(inh)}	Rat (1 hour)	11.8 g/M ³
Specific orga available	n toxicity, si	ngle exposur		availal		ity, repeated	exposure: N	lo data
	<u> </u>		CA	RCINOGENI	CITY	-		
IARC	Sufficie	nt evidence i	n animals Ir	nadequate ev	idence in hun	nans Group	2B: Possib to hum	ly carcinogenic nans
NTP			Listed as reas	onably antic	ipated to be a	human carci	nogen	

California (Prop Listed as carcino		H: Not Listed	ACGIH:	Not Listed	OSHA: Not Listed
	MUTAGENIC	TY, TERATOGEN	ICITY AND REPRODUC		
Respiratory or Skin	sensitization: No o	lata available	Germ cell mutagenic mutagenic effects.	city: Lab experiment	ts have shown
Reproductive toxici	ty: No data availab	le	Teratogenicity: No d	lata available	
Skin Corrosion/irrit	ation: Testing show	ved no irritation	Serious eye damage,	irritation-rabbit: mi	ild eye irritation
Synergistic effects:	No data available		Aspiration hazard: N	lo data available	
RTECS #: WL367:	5000				
	SECTION		LOGICAL INFOR	MATION	
			DIESEL		
		+	OXICITY	+	+
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
LC_{50}		No Data	EC ₅₀		No Data
EC_{50}		No Data	EC ₅₀		No Data
			AND DEGRADABILITY		
,			e of ethanol in this producer, resulting in elonga		_
benzene, tordene, et	myr benzene and x	•	LATIVE POTENTIAL	ited prairies of these	constituents.
Log Pow		3 - 6.0			No Data
LUG I OW			LITY IN SOIL		110 Data
K _{oc} (Soil/water Part	ition Coefficient)	MIODI	LITTINSOIL	No	Data
K _{0c} (5011/ water 1 art	thon Cochicient)	C	ACOLDIE	110	Data
			ASOLINE		
Type Of Dose	Specie	Result	OXICITY Type Of Dose	Specie	Result
LC ₅₀	Specie	No Data	EC ₅₀	Specie	No Data
LC50		No Data	EC50		11.5 mg/L
EC_{50}		No Data	EC ₅₀	Microtox	48 Hours
		PERSISTENCE A	AND DEGRADABILITY		
Readily biodegradal	ble in the environn	ent. The presence	of ethanol in this prod	duct may impede the	e biodegradation of
benzene, toluene, et	hyl benzene and xy	lene in groundwa	ter, resulting in elonga	ited plumes of these	constituents.
		BIOACCUMU	LATIVE POTENTIAL		
Log P _{ow}		2.1 - 6.	0 BCF		No Data
		Мові	LITY IN SOIL		
K _{oc} (Soil/water Part	ition Coefficient)			No	Data
		T	OLUENE		
		Te	OXICITY		
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
LC ₅₀	Goldfish	13 mg/L 96 Hours	EC50	Water Flea	11.5 mg/L 48 Hours
EC ₅₀	Green algae	>433 mg/L 72 Hours	EC ₅₀	Microtox	19.7 mg/L 48 Hours
			LATIVE POTENTIAL		10 110413
Log Pow		2.65	BCF		8.317
108 1 0W			YLENE		0.517
Tyma Of Daga	Cnasia	1	OXICITY Type Of Desc	Chasis	Result
Type Of Dose	Specie Striped Dags	Result	Type Of Dose	Specie Water Floo	
LC_{50}	Striped Bass	2 mg/L	LC_{50}	Water Flea	0.6 mg/L

					48 Hours			
EC ₅₀	Green algae	72 mg/L 14 day	EC ₅₀	Microtox	8.4 μg/L 48 Hours			
Log Pow		2.77 - 3.15	BCF		No Data			
		Isopro	OPYL ETHER					
		To	OXICITY					
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result			
LC ₅₀	Fathead Minnow	91.7 mg/L 96 Hour	EC ₅₀	Water Flea	190 mg/L 48 Hours			
EC ₅₀	Green algae	No Data	EC ₅₀	Microtox	500 mg/L 5 minutes			
Log Pow				1	.52			
		Етну	LALCOHOL					
		To	OXICITY					
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result			
LC ₅₀	Rainbow trout	12.9 g/L 96 Hours	EC ₅₀	Water Flea	9.2 g/L 48 Hours			
EC ₅₀	Green algae	No Data	EC ₅₀	Microtox	34.6 g/L 30 minutes			
Log Pow				-(0.32			
		N	ONANE					
TOXICITY								
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result			
LC ₅₀		No Data	EC ₅₀		No Data			
EC ₅₀		No Data	EC ₅₀		No Data			
		BIOACCUMUI	LATIVE POTENTIAL					
Log Pow		5.65	BCF		No Data			
K _{oc} (Soil/water Par	rtition Coefficient)			No	Data			
		Н	EXANE					
		To	OXICITY					
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result			
LC ₅₀	Fathead Minnow	2.5 mg/L 96 hours	EC ₅₀	Water Flea	3.87 mg/L 48 Hours			
EC ₅₀	Green algae	12.8 g/L 3 hours	EC ₅₀	Microtox	No Data			
			LATIVE POTENTIAL					
Log Pow		3.9	BCF		No Data			
		Bi	ENZENE					
		To	OXICITY					
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result			
LC ₅₀	Fathead Minnow	15-32 mg/L 96 hours	EC ₅₀	Water Flea	10 mg/L 48 Hours			
EC ₅₀	Green algae	29 mg/L 72 Hours	EC ₅₀	Microtox	No Data			
			LATIVE POTENTIAL					
Log P _{ow}		1.83	BCF		4.265			

			EPTANE		
	,		DXICITY	T	1
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
LC ₅₀	Goldfish 24 hours	4 mg/L	EC ₅₀	Water Flea	1.5 mg/L 48 Hours
EC ₅₀		No Data	EC ₅₀		No Data
		BIOACCUMUI	LATIVE POTENTIAL		
Log Pow		>3.0	BCF		No Data
Koc (Soil/water Par	rtition Coefficient)			No	Data
		1,2,4 Trim	ETHYL BENZENE	-	
		To	OXICITY		
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
LC ₅₀	Fathead Minnow	7.72 mg/L 96 hours	EC ₅₀	Water Flea	6.14 mg/L 48 Hours
EC ₅₀	Green algae	No Data	EC ₅₀	Microtox	No Data
		BIOACCUMUI	LATIVE POTENTIAL	•	
Log Pow		3.63	BCF		120.2
		<i>C</i>	UMENE		<u> </u>
			OXICITY		
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
LC ₅₀	Rainbow trout	4.8 mg/L 96 Hours	EC ₅₀	Water Flea	0.6 mg/L 48 Hours
EC ₅₀	Green algae	2.6 mg/L 72 Hours	EC ₅₀	Microtox	0.89 mg/L 5 Min
Log Pow		,		3	3.55
28 0		Cyci	LOHEXANE		<u> </u>
			OXICITY		
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
LC ₅₀	Fathead Minnow	32-93 mg/L 96 hours	EC ₅₀	Water Flea	0.6 mg/L 48 Hours
EC ₅₀	Green algae	>500 mg/L 72 Hours	EC ₅₀	Microtox	85.5 mg/L 5 Min
Log Pow		72 110 015		3	3.44
		ETHV	L BENZENE	<u>-</u>	
			DXICITY		
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
LC ₅₀	Sheepshead minnow	88 mg/L 96 hours	EC ₅₀	Water Flea	1.8-2.4 mg/L 48 Hours
EC ₅₀	Green algae	4.6 mg/L 72 Hours	EC ₅₀	Microtox	9.68 mg/L 30 Min
	1		LATIVE POTENTIAL	I	3 0 1.1111
Log Pow		3.118	BCF		No Data
-8-0"			HTHALENE		1 10 2 404
			OXICITY		
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
LC ₅₀	Fathead Minnow	1-6.5 mg/L 96 hours	EC ₅₀	Water Flea	2.16 mg/L 48 Hours
EC ₅₀	Green algae	0.4 mg/L	EC ₅₀	Microtox	0.93 mg/L
	Ulterii algae	0.4 mg/L	LC50	IVITCIOIUX	U.73 IIIg/L

		96 Hours			30 Min					
	BIOACCUMULATIVE POTENTIAL									
Log Pow		3.3	BCF		85.1					
		ST	YRENE		<u> </u>					
TOXICITY										
Type Of Dose	Specie	Result	Type Of Dose	Specie	Result					
LC_{50}	Fathead Minnow	4 mg/L 96 hours	EC ₅₀	Water Flea	4.7 mg/L 48 Hours					
EC ₅₀	Green algae	0.72 mg/L 96 Hours	EC ₅₀	Microtox	5.4 mg/L 5 Min					
Log Pow				2	.95					

SECTION 13 * DISPOSAL CONSIDERATIONS

Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations

Maximize product recovery for reclaim and reuse. Implement waste minimization principles. EPA U.S. Waste Codes: "Ignitable hazardous waste" (D001), unless proven otherwise. Use approved treatment, transporters, and disposal sites in compliance with all laws.

Waste Disposal Method: Should not be released into the environment.

Contaminated Packaging: Dispose of in accordance with local regulations.

US EPA Waste Number: D018 and D001

SECTION 14 © TRANSPORTATION INFORMATION

Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations							
Element	U.S. DOT	IMDG	IATA				
UN Number	UN 1268	UN 1268	UN 1268				
UN Proper Shipping Name	Petroleum Products (Gasoline, Diesel Fuel)	Petroleum Products (Gasoline, Diesel Fuel)	Petroleum Products (Gasoline, Diesel Fuel)				
Hazard Class	3	3	3				

Placard/Label 1268

Environmental Hazard	Yes	Yes	Yes
Packing Group	II	II	II

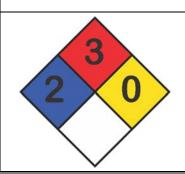
Agency SECTION 15 D REGULATORY INFORMATION Listing Guidance only, consult specific regulations

	Guidance only, consult specific regulations			
OSHA	All ingredients are listed as hazardous under 29 CFR 1910.1200			
CERCLA RQ's (40 CFR Part 102)	Benzene – 10 pounds			
	Cumene - 5,000 pounds		Cyclohexane - 1,000 pounds	
	Naphthalene – 100 pounds		Styrene - 1,000 pounds	
	Xylene - 100 pounds		Ethyl Benzene - 1,000 pounds	
	Toluene - 1,000 pounds		Hexane – 5,000 pounds	
TSCA 8(a)	Naphthalene	n-l	Nonane	n-Heptane
TSCA 8(b)	All components are listed or exempted			



None of the ing	predients are listed		
None of the ma			
	None of the ingredients are listed		
None of the ingredients are listed			
Gasoline, natural; Xylene; Toluene; n-Hexane; Naphthalene; 1,2,4- Trimethylbenzene; Ethylbenzene; Benzene; Nonane; Heptane			
Benzene - U019	Hexane - U056		
Naphthalene – U165			
Xylene - U239	Toluene - U220		
Xylene Toluene, Hexane, Benzene, Ethyl benzene ,1,2,4 Trimethyl Benzene, and Naphthalene			
Diesel: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; Gasoline, natural: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; Xylene: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; Toluene: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; n-Hexane: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard, Immediate(acute) health hazard, Delayed (chronic) health hazard; 1,2,4-Trimethylbenzene: Fire hazard, Delayed (chronic) health hazard; Ethylbenzene: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard, Immediate (acute) health hazard; Nonane: Fire hazard, Immediate (acute) health hazard; n-Hentane: Fire hazard			
Toluene, Xylene, Hexane, 1,2,4 Trimethyl Benzene, Benzene, Ethyl benzene and Naphthalene			
	lbenzene and Naphthalene		
Xylene, Toluene, Benzene,	Ethylbenzene and Naphthalene		
Listed			
Not Listed			
Not Listed			
	Trimethylbenzene; Ethylbenzene; Benzene - U019 Naphtha Xylene - U239 Xylene Toluene, Hexane, Benzene, and Benzene, Benzene, Ethylbenzene: Indiana and Benzene, Ethylbenzene; Benzene, Ethylbenzene, Benzene, Benzene		

SECTION 16 % OTHER INFORMATION



NFPA LABEL



HMIS III LABEL

Personal Protection Index
NPCA recommends that PPE
codes be determined by the
employer, who is familiar with
the actual conditions under which
chemicals in the facility are used.

Acronym List				
°F=degrees Fahrenheit	°C=degrees Celsius	ACGIH= American Conference of Industrial Hygienists		
APR=Air Purifying Respirator	BCF= Bioconcentration Factor	BuAc=Butyl Acetate		
CANUTEC= Canadian Transport Emergency Centre	CAS=Chemical Abstract Service	CERCLA= Comprehensive Environmental Response, Compensation, and Liability Act		
CHEMTREC= Chemical Transportation Emergency Center	CNS=Central Nervous System	CWA=Clean Water Act		
DOT=Department of Transportation	EC50= Effective Concentration Fifty	EPA=Environmental Protection Agency		
g/Kg=Grams per Kilogram	g/M³=Grams per Cubic Meter	GHS=Global Harmonization System		
H ₂ O=Water	HAP=Hazardous Air Pollutants	HMIS= Hazardous Materials Identification System		
IARC= International Agency for Research on Cancer	IATA= International Air Transport Association	IMDG= International Maritime Dangerous Goods		
LC ₅₀ =Lethal Concentration Fifty	LD ₅₀ =Lethal Dose Fifty	LEL=Lower Explosive Limit		
Log P _{ow} =Octanol/water partition coefficient	mg/Kg=Milligrams per Kilogram	mg/L=Milligrams per Liter		
mL/Kg=Milliliters per Kilogram	mm HG=millimeters of mercury	N.O.S=Not Otherwise Specified		
NFPA=National Fire Protection Association	NIOSH= National Institute for Occupational Safety and Health	NTP=National Toxicology Program		
OSHA=Occupational Safety and Health Administration	PEL=Permissible Exposure Limit	ppm=Parts per Million		
RCRA=Resource Conservation and Recovery Act	RQ=Reportable Quantities	RTECS=Registry of Toxic Effects of Chemical Substances		
SARA= Superfund Amendments and Reauthorization Act	SDS=Safety Data Sheet	SETIQ= Emergency Transportation System for the Chemical Industry; Mexico		
STEL=Short Term Exposure Limit	TLV=Threshold Limit Value	TPQ=Threshold Planning Quantity		
TSCA=Toxic Substance and Control Act	TWA=Time Weighted Average	UEL=Upper Explosive Limit		
VOC-Valatila Organia Compounda				

VOC=Volatile Organic Compounds

SDS REVISIONS: Reformatted to meet GHS Requirements

SDS CREATION DATE: 05/30/14 **REVISION #0:** 05/30/14

DISCLAIMER

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SDS DEVELOPER: Cass Willows

Cass Willard, CIH

DATE: 05/30/14