

Products: Gasoline, Jet Fuel, Diesel Fuel, Toluene, Naptha, Rafinate

24-Hour Emergency Phone Number: 888-876-0036

Explorer operates a 1,900-mile pipeline system that transports gasoline, diesel fuel and jet fuel from the Gulf Coast to the Midwest. Explorer is based in Tulsa, Oklahoma, and also serves Houston, Dallas, Fort Worth, St. Louis and Chicago.

Through connections with other products pipelines, Explorer serves more than 70 major population centers in 16 states. Major tankage and terminals are located at Port Arthur, Greenville and Grapevine, Texas; Glenpool, Oklahoma; Wood River, Illinois; and Hammond, Indiana. There are presently 32 pump stations located throughout the system.

The pipeline is 28 inches in diameter from Port Arthur to Tulsa and 24 inches from Tulsa to Hammond. With its 2003 capacity expansion, it can take as few as 11 days to transport a barrel of product from the Gulf Coast to Chicago.

Explorer currently transports refined products with more than 72 different product specifications for over 60 different shippers. The company does not buy or sell petroleum products; it only provides transportation services.

Our Company Values Are: Doing the right thing; Being a good neighbor; Serving and valuing customers; Respecting and recognizing each other's contributions; Meeting or exceeding all regulatory standards.

Explorer Pipeline Company and its management are fully committed to operating a safe and reliable hazardous liquids pipeline. Explorer is committed to meeting or exceeding the guidelines set forth by API RP 1162 and public awareness for pipeline operations. Explorer Pipeline has had a Damage Prevention Program for many years. Explorer is committed to making safety a top priority in all operations and includes public awareness in that commitment.

The Public Awareness plan receives management's full support throughout the organization. Top-level management was involved in development of the program, and participates in the administration of the program and the evaluation of the program's effectiveness.

- *Name of system:* Explorer Pipeline Company
- *Name of owner and operator*: Explorer Pipeline Company
- *Type of system:* Transmission system
- *Physical area covered by system:* Louisiana State line to Port Arthur, TX and into Houston; Houston to Greenville; Greenville to Fort Worth; Greenville to Oklahoma State line.
- Length of system: 850 miles
- List of products transported in system: Gasoline, Jet Fuel, Diesel Fuel
- **Range of diameter of pipelines in system:** Louisiana State line to Port Arthur, TX (12"); Port Arthur to Houston (28"); Houston to Greenville (28"); Houston to Arlington (10"); Arlington to State line (8"); Greenville to Grapevine and into Fort Worth (12"); Grapevine to DFW Airport (8"); Greenville to Oklahoma State line (28").

To learn more about the company's official emergency plans, please contact the following:

Rick Wright (218) 860-9251 15003 Moore Road Route 25 Houston, TX 77049-4805

Maurice Ashcraft

(**903**) **527-1251** 2856 County Road 2168 Caddo Mills, TX 75135-0354

Scott Gibby (918) 493-5120 6848 South Canton Ave., Suite 300 Tulsa, OK 74136

For further information about Explorer Pipeline Company, please contact:

Explorer Pipeline Company 6846 South Canton, Suite 300 Tulsa, OK 74136 918-493-5100 www.expl.com MATERIAL NAME: Raffinate

explorer

1

MATERIAL SAFETY DATA SHEET

Explorer Pipeline Company 6846 South Canton P.O. Box 2650 Tulsa, Oklahoma 74101	> (91) > CH > CA	PANY IDENTIFICATION MERGENCY SOURCE INFORMATION CONTACT 8) 493 - 5100 EMTREC: (800) 424-9300 (24 hour contact) NUTEC: (613) 996-6666 FIQ: 91-800-00214
TRADE NAMES/SYNONYMS: Petroleum Naphtha, Straight Run, Refined Light Raffinate	CHEMICAL FAMILY: Aliph Naphtha	hatic EPL Code: 18
hydrocarbons and other related sub was compiled from one or more pro these fungible products. Indivi	stances transported by explore duct shipper sources and is in dual shipper and manufacture Company's, Tulsa, Oklahom	
SECT	ION 2 * HAZARDS ID	
+++++++++++++++++++++++++++++++++++++++	EMERGENCY OVER	VIEW + + + + + + + + + + + + + + + + + + +
	Danger Flammable Li	quid!!
Colorless liquid with characterist		
Harmful or fatal if swallowed, in	haled or absorbed through skin	1.
May cause CNS depression.Can produce skin irritation upon		
 Keep away from heat, sparks and 		
 Wash thoroughly after handling; 	open name,	
 Contains petroleum distillates! I chemical pneumonia; Avoid breathing vapors or mist; 	f swallowed, do not induce vor	niting since aspiration into the lungs will cause
 Use only with adequate ventilation 	on and:	
	m und,	
Obtain prompt medical attention.		-en!
• Obtain prompt medical attention.	Keep Out of Reach of Child	ren!
**********	Keep Out of Reach of Child	*****
**********	Keep Out of Reach of Child	ATION OF INGREDIENTS
SECTION 3 V C INGREDIENT	Keep Out of Reach of Child	*****
SECTION 3 V C INGREDIENT Raffinate, Straight Run Naptha	Keep Out of Reach of Child	ATION OF INGREDIENTS
SECTION 3 ▼ C INGREDIENT Raffinate, Straight Run Naptha Paraffins: 40.00-70.00	Keep Out of Reach of Child	ATION OF INGREDIENTS PERCENTAGE (%)
SECTION 3 V C INGREDIENT Raffinate, Straight Run Naptha	Keep Out of Reach of Child OMPOSITION/INFORM CAS NUMBER	ATION OF INGREDIENTS
SECTION 3 ▼ C INGREDIENT Raffinate, Straight Run Naptha Paraffins: 40.00-70.00 Cycloparaffins: 20.00-40.00 Aromatic Hydrocarbons: 7.00- 20.00	Keep Out of Reach of Child OMPOSITION/INFORM CAS NUMBER	ATION OF INGREDIENTS PERCENTAGE (%)
SECTION 3 ▼ C INGREDIENT Raffinate, Straight Run Naptha Paraffins: 40.00-70.00 Cycloparaffins: 20.00-40.00 Aromatic Hydrocarbons: 7.00- 20.00	Keep Out of Reach of Child CAS NUMBER 8030-30-6 71-43-2	ATION OF INGREDIENTS PERCENTAGE (%) 99+%
SECTION 3 ▼ C INGREDIENT Raffinate, Straight Run Naptha Paraffins: 40.00-70.00 Cycloparaffins: 20.00-40.00 Aromatic Hydrocarbons: 7.00- 20.00 Benzene SUMMARY OF ACUTE HAZARDS: M nto the lungs may cause chemical p	Keep Out of Reach of Child CMPOSITION/INFORM CAS NUMBER 8030-30-6 8030-30-6 71-43-2 ACUTE ay cause transient irritation to oneumonia. Overexposure may At extremely high concentre	ATION OF INGREDIENTS PERCENTAGE (%) 99+%

MATERIAL N	AME: Raffir	nate
------------	-------------	------

explorer

GETTING IT ON YOUR SKIN	
May cause irritation.	
Prolonged or repeated liquid contact can defat the skin SWALLOWING IT	n and lead to irritation and/or dermatifis.
 BREATHING IT Extreme overexposure or aspiration into the lungs ma headache, nausea, confusion, blurred vision, drowsine Inhalation of vapors can produce pulmonary irritation 	
CHRONIC	
decreases in blood cells, aplastic anemia or leukemia.	cause benzene toxicity to blood-forming tissues including
relatively low benzene concentrations.	encountered in typical Naptha stream operations due to ed as long as good personal hygiene and proper safety
precautions are practiced.	
CANCER, REPRODUCTIVI	
Some components of naphtha, i.e., paraffins and ole hormonal dependent kidney lesion in male rats fir relationship between these results and human health is	fins, have been shown to produce a species specific, sex rom repeated oral or inhalation exposure. The exact s not known.
See Toxicological Information (S	Section 11) For More Information
SECTION 4 💠 FIRS	ST AID MEASURES
EMERGENCY MEDICAL TREATMENT PROCEDURES: Ac activated charcoal slurry, suspend 50 grams activated char 5mL/kg, or 350 mL for an average adult.	arcoal in 400 mL water and mix thoroughly. Administer
EYES: In case of contact, immediately flush eyes with plen	nty of water for at least 15 minutes. Call a physician.
SKIN: In case of contact, immediately wash skin with soap irritation develops, consult a physician.	
INGESTION: If swallowed, do not induce vomiting. Imm by mouth to an unconscious person. Call a physician.	
INHALATION: If inhaled, remove to fresh air. If not brea give oxygen. Call a physician.	
NOTE TO PHYSICIAN: TREAT SYMPT	
	SHEAGURES
Class IA Flammable Liquid. Highly flammable. Produ dioxide and other toxic materials. Do not enter enclosed including respiratory protection. May evolve hydrogen su	d or confined space without proper protective equipment
FLASH POINT: (Method Used) -40°F (Closed Cup)	FLAMMABLE LIMITS: LEL: 1.5% UEL: 7.6%
AUTOIGNITION TEMPERATURE: 531°F	
EXTINGUISHING MEDIA: Foam, Dry Chemical, Carbon D	vioxide
HAZARDOUS REACTIONS/DECOMPOSITION: Complete an and oxides of carbon and sulfur. Polymerization will not c and sulfur.	nd incomplete combustion may produce nitrous oxides occur. May produce nitrous oxides and oxides of carbon
SPECIAL INSTRUCTIONS: Water may be ineffective, but w If a leak or spill has not ignited, use water spray to dispers leak. Water spray may be used to flush spills away from e	e the vapors and to protect personnel attempting to stop a

MATERIAL NAME: Raffina	te	Geplorer	MSDS # EPL-8
5	SECTION 6 * AC	CIDENTAL RELEASE N	/IEASURES
	PLOSION HAZARI	OS and SAFETY PRECAU	FIONS before proceeding with clean
up.Use appropriate PERSO	NAL PROTECTIVI	E EQUIPMENT during clea	n up.
Dike spill.			r
Prevent liquid from ente			
Recover free liquid for r			
 Soak up with sawdust, so Remove source of heat. 			1 11 1 . 1 1
and power tools.	sparks, flame, impac	t, friction, and electricity in	cluding internal combustion engines
	spill cleanup, it mus	t be explosion-proof and su	itable for flammable liquid and vapors.
NOTE:	Vapors released from	n the spill may create an ex	plosive atmosphere.
	SECTION 7 %	HANDLING AND ST	ORAGE
Prior to working v	vith this product wor	kers should be trained on it	s proper handling and storage
		ction Association regulation	1S.
Protect against physical		s.	
 Separate from oxidizing Store in cool, well ventil 		nhustilla annstaarti	C
			from possible sources of ignition.
		CONTROLS / PERSC	
OTHER HYCIENIC AND W	Doth local exhaust a	Emorganey avouagh for	are usually required in enclosed areas. Intains and safety showers should be
available in the immediate y	vicinity of any noten	tial direct exposure. Use	good personal hygiene practices. Wash
hands before eating, drinking	ne smoking, or usi	ng the toilet facilities Pr	omptly remove soiled clothing. Wash
thoroughly before reuse. She	ower after work usin	g plenty of soap and water.	sinplify remove solice clothing. wash
		EXPOSURE LIMITS	
OSHA			ACGIH TLV (2005)
	Naphtha Hydro	ocarbons (Aromatic & Parat	
TWA	STEL	TWA	STEL
100 ppm	Not Applicable (400 ppn	1
(Coal Tar Naphtha)	Not Applicable ((Rubber Sol	
		BENZENE	
TWA	STEL	TWA	STEL
1 ppm	5 ppm	0.5 ppm	2.5 ppm
	Н	YDROGEN SULFIDE	
Ceiling	STEL	TWA	STEL
20 ppm	N.A.	10 ppm	15 ppm
PERSONAL PROTECTIVE EQ			
EYES: Where the possibility	lity of splashing exis	sts, chemical goggles are re	commended.
SKIN: Neoprene or NBR	recommended prote	ective gloves, coveralls, slee	ves, and/or splash aprons.
RESPIRATORY PROTECT	FION: If exposure ma	ay or does exceed occupation	nal exposure limits, use a NIOSH
approved respirator to pr	event overexposure.	In accordance with 29 CFI	R 1910.134, use either a full-face, air
supplied or air-purifying			
		CAL AND CHEMICAL	
BOILING POINT (760 MM HC SPECIFIC GRAVITY ($H_2O =$		PERCENT VOLATILE B	Y VOLUME: 100%
32.9°F	1): 0.70-0.75 @	VISCOSITY UNITS, TEM	лр:
EVAPORATION RATE (BuAc	(r=1):	VAPOR DENSITY (AIR =	=1)• 4 0
VAPOR PRESSURE: 525 @ 6		SOLUBILITY IN WATER	
			r, estimated odor threshold 15 ppm.

	SECTIO	ON 10 ¤ 5	STABILITY	AND REA	CTIVITY		
CHEMICAL STABI							
CONDITIONS TO A	VOID: Heat, flam	e, sparks, stro	ong oxidizing	conditions.			
OTHER PHYSICAL	AND CHEMICAL	PROPERTIES:	No Data				
MATERIALS TO A	VOID: Oxidizing a	gents such as	oxygen, chlo	orine, nitric ac	id.		
HAZARDOUS POL	MERIZATION: Ha	is not been rej	ported				
	SECTION	11 ⊕ TO	XICOLOG	ICAL INFO	RMATION		
			BENZENE				State of the
nave reported leuk	to be a human can emia (mostly acut vidence that benze ions, which found	te myelogeno ene causes ca	us leukemia) ancer is fron	in individua n several col	ls exposed to nort studies	benzene. T in various in	The stronges idustries and
			TOXICITY				
Type Of Dose Spec	ie Result	Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
LD _{50(oral)} Mou	se 4700 mg/kg	LC _{50(inh)}	Mouse	9980 ppm	TD _{LO(oral)}	Human	50 mg/kg
		СА	RCINOGENIC	CITY			
	fficient evidence i	n animals	Sufficient evi	dence in hum	ans Gr	oup 1: classif human carci	
NTP				cinogen			
California (Pro		OSH: Potentia		GIH: A1 - Co		SHA: Selec	Carcinogen
Listed as carcin	*	ational Carcin		uman carcino	Jgen		Caremogen
	MUTAGENICI						
lamage in experim form of cancer). Al issue to epinephrir	ged breathing of be ental animals and y l of these diseases which may preci- ve been shown to o	various blood can be fatal. I ipitate fatal ve	diseases in h In some indiv entricular fibr	umans rangin iduals, benzer illation.	g from aplast ne exposure o	ic anemia to can sensitize	leukemia (a cardiac
		DN 12 寧 E				o not toxic to	the motier.
ife. Insufficient da CHRONIC EFFECT ife. Insufficient da	No data available ta are available to S: No data available ta are available to D PERSISTENCE IN	e on product, evaluate or pr ble on produc evaluate or pr	however Be redict the sho t, however B redict the long	nzene is cons rt-term effect enzene is con g-term effects	sidered mode s to birds or l sidered mode to birds or la	and animals. erately toxici	
	SECTIO	N 13 💠 DI	SPOSAL C	CONSIDER	ATIONS		
ocal regulations.	transportation and Do not flush to su zardous waste, who	l disposal mus rface water o	st be in accord	dance with ap	plicable Fede	eral, State/Pro liquid is exp	ovincial, and ected to be a
755	SECTION		NSPORTA	TION INFO	ORMATION	J	
Not M	leant To Be All Ind						
Agency		ing Name		Packing Grou		ard Class	UN/NA #
U.S. DOT	1	a, Solvent		I, II, or III	Fla	immable Liquid	UN 1256
	SECTIO	N 15 D RE	EGULATO	RY INFOR		1	
CERCLA RQ's (4				A CONTRACTOR OF THE OWNER OF THE OWNER	ne – 10 pound	ls	

MATERIAL NAME: Raffinate	explorer	MSDS # EPL-8
	APTPELINE.	

SARA (40 CFR Part 355) TPQ's	None of the	ne ingredients are listed	
SARA Title III Section 313	Benzene l		
California's Prop 65	Benzene 1	isted	
OSHA	All ingred	ients are listed as hazardous under 29 CFR 1910.1200	
SECTIO		HER INFORMATION	
NFPA 704 LABEL:	0	HMIS LABEL 2-4-0	
MSDS REVISIONS: Change in Format and	l update of Infor	mation	
MSDS CREATION DATE: July 1997	7 REVISION #1: 07/01/05		
		AIMER	
INFORMATION IS PROVIDED WITH ACCURACY. Some conditions or methods may be beyond our knowledge. FOR THI AND EXPRESSLY DISCLAIM LIABILIT WAY CONNECTED WITH THE HANDI measurements such as flash point, <i>etc.</i> are Company.	OUT ANY WA) of handling, stora S AND OTHER TY FOR LOSS, JNG, STORAG considered approved	ces which we believe are reliable. HOWEVER, THE RRANTY, EXPRESS OR IMPLIED, REGARDING ITS ge, use and disposal of the product are beyond our control and REASONS, WE DO NOT ASSUME RESPONSIBILITY DAMAGE OR EXPENSE ARISING OUT OR IN ANY E, USE OR DISPOSAL OF THE PRODUCT. All product roximate values. All data provided by Explorer Pipeline uct. If the product is used as a component in another product, formation may not be applicable	
		ormation may not be appreaded.	
MSDS DEVELOPER:	William	DATE: <u>07/01/05</u>	

MATERIAL NAME: Toluene

explorer

MATERIAL SAFETY DATA SHEET

SECTION 1	PRODUCT AND C	OMPANY II	DENTIFICATION
Explorer Pipeline Company 6846 South Canton P.O. Box 2650 Tulsa, Oklahoma 74101	FOR EMERGENCY SOURCE INFORMATION CON > (918) 493 - 5100 > CHEMTREC: (800) 424-9300 (24 hour conta > CANUTEC: (613) 996-6666 > SETIQ: 91-800-00214		5100 C: (800) 424-9300 (24 hour contact) (613) 996-6666
TRADE NAMES/SYNONYMS: Methyl Benzene, HUF/Toluene	CHEMICAL FAMILY:	Aromatics	EPL Code: 19
hydrocarbons and other related su was compiled from one or more pu	bstances transported by ex oduct shipper sources and	plorer pipelin is intended to cturer MSDSs	and properties of fungible petroleum e company. The information presented provide health and safety guidance for are available at Explorer Pipeline
SEC	TION 2 * HAZARDS		
++++++++++++	+++EMERGENCY C	VERVIEW	+++++++++++++++++++++++++++++++++++++++
	Flammable Li		
Clear, water-white liquid with a	aromatic odor.		
 Causes eye and skin irritation; Harmful or fatal if swallowed a 			
 Causes central nervous system 	depression at high vapor of	ngs;	and
 Obtain prompt medical attentio 	n. Keen Out of Reach of (Thildren!	and
	in Reep out of Reading of		*************
SECTION 3 V	COMPOSITION/INFO	RMATION	OF INGREDIENTS
INGREDIENT	CAS NUMB		PERCENTAGE (%)
Toluene	108-88-3		>95%
	ACUTE		
SUMMARY OF ACUTE HAZARDS:	Liquid, mist, or vapors ca	n cause eye, s	skin, and respiratory tract irritation and
CNS depression. Aspiration into th	e lungs will cause chemica	l pneumonia.	
GETTING IT IN YOUR EYE Causes eye irritation.			
GETTING IT ON YOUR SKIN			
	bsorption. Repeated and	prolonged co	ntact defats the skin and can result in
dermatitis.	sorprom repeated and	protonged eo	nuce defaits the skin and can result in
Prolonged or repeated contact c	an defat the skin and lead t	o irritation and	d/or dermatitis.
SWALLOWING IT			
Harmful or fatal if aspired into	lungs after ingestion.		
BREATHING IT			
Can be harmful if high concent		1 0	
 Irritation of upper respiratory tr muscular weakness, and even d 	act, neadacnes, loss of men	nory, loss of a	ppetite, nausea, drowsiness, palpitation,
		ation which m	hay cause fatal changes in heart
Innalation of very high levels c			ay cause fatal changes in ficall
Inhalation of very high levels ca rhythms.	in produce curatue sensitiz	·····	
rhythms.			and can be fatal. Aspiration into the

MATERIAL	NAME:	Toluene	

explorer

CHRONIC	
Reports of chronic poisoning describe anemia, decreased blood hypoplasia. Liver and kidney damage may occur. Repeated or action, causing drying, redness, dermatitis. Exposure to toluend	prolonged contact has a defatting
CANCER, REPRODUCTIVE AND GENETIC	C EFFECTS
Same as above.	
See Toxicological Information (Section 11) For	More Information
SECTION 4 💠 FIRST AID MEA	SURES
EYES: Immediately flush eyes with plenty of water for at least 15 minutes	s, then get prompt medical attention.
SKIN: Wash exposed skin with soap and water. Remove contaminate before reuse.	ed clothing and thoroughly clean and dry
INGESTION: If swallowed, do NOT induce vomiting. Get immediate med	
INHALATION: If adverse effects occur, remove to uncontaminated area. Get immediate medical attention.	Give artificial respiration if not breathing.
NOTE TO PHYSICIAN: TREAT SYMPTOMATICALL	Y AND SUPPORTIVELY
SECTION 5 X FIRE FIGHTING M	
Flammable liquid. Vapor may explode if ignited in enclosed area.	
FLASH POINT: (Method Used) 40°F FLAMMAN	BLE LIMITS: LEL: 1.1% UEL: 7.1%
AUTOIGNITION TEMPERATURE: 997°F	
EXTINGUISHING MEDIA: Agents approved for Class B hazards (i.e., d agents, foam, steam) or water fog.	ry chemical, carbon dioxide, halogenated
HAZARDOUS REACTIONS/DECOMPOSITION: None. Polymerization will produce carbon monoxide, carbon dioxide, and other harmful products.	not occur. Incomplete burning can
SPECIAL INSTRUCTIONS: For fires involving this material, do not enter proper protective equipment. This may include self-contained breathing effects of combustion products and oxygen deficiencies. If firefighters c protective equipment must be worn. Cool tanks and containers exposed to on water. Notify appropriate authorities if liquid enters sewer/waterways.	apparatus to protect against the hazardous annot work upwind to the fire, respiratory o fire with water. Burning liquid will float
SECTION 6 ACCIDENTAL RELEASE	
Remove or shut off all sources of ignition. Remove mechanically or o out of sewers and waterways.	contain on an absorbent material. Keep
SECTION 7 💥 HANDLING AND S	STORAGE
 Prior to working with this product workers should be trained on Store in flammable liquids storage area. Store away from heat, ignition with applicable federal, state, or local regulations, Keep container closed storage area. 	on sources, and open flame in accordance
SECTION 8 # EXPOSURE CONTROLS / PERS	
ENGINEERING CONTROLS: Use adequate ventilation to keep vapor conce occupational exposure limits shown below in Section VI. OTHER HYGIENIC AND WORK PRACTICES: Use good personal hygie drinking, smoking, or using toilet facilities. Promptly remove soiled Shower after work using plenty of soap and water.	entration of this material below the one practices. Wash hands before eating,

MATERIAL NAM	ME: Toluene
--------------	--------------------

explorer

			E	XPOSUI	RE LI	MITS					
	OSI		ACGIH TLV (2005)								
				TOL	UENE						
TWA CEILING				TWA			STEL				
20	0 ppm	500 pp	ninutes		50 ppm		Not Applicable (N.A		able (N.A.)		
	PROTECTIVE										
	Do not get in ey		•								
	Avoid skin cont										
RESPIR	ATORY PROTE	CTION: D	o not breatl	ne mist or	vapo	r. Use with a	dequate v	entil	lation. If ver	ntilation is	
madequ	ate, use NIOSI										
						HEMICAL		1000000000			
BOILING POINT (760 MM HG): 231°F					PERCENT VOLATILE BY VOLUME: 100%						
SPECIFIC GRAVITY (H₂O = 1): 0.87 @ 39.2 °F					VISCOSITY UNITS, TEMP: 0.59 cp @ 20°C						
FREEZING POINT: -95 °F					VAPOR DENSITY (AIR =1): 3.2						
VAPOR PRESSURE AT 25°C: 26 mm Hg					SOLUBILITY IN WATER: Negligible						
APPEARAN	CE AND ODOR										
			DN 10 ¤	STAB	LITY	AND REA	CTIVIT	Y			
	STABILITY: S	and the second sec									
	IS TO AVOID:					., heat, spark	s, and op	en fl	ames).		
	SICAL AND CI										
	S TO AVOID: S				hlorin	e and oxygen	l.				
HAZARDOU	S POLYMERIZ							_			
						ICAL INFO					
This materia	al is a blending	stock for p	etroleum fu			e as a cleanin	g agent o	r as a	a solvent.		
					JENE						
Poison by ir	traperitoneal ro	oute. Mode	erately toxi	c by intra	venou	is, subcutaned	ous and p	ossib	ly other rout	tes. Mildly	
effects Mu	alation. An exp	erimental t	eratogen. I	Human sy	/stem1	c effects by in	halation	Ex_{j}	perimental re	eproductive	
acute poisor	tagenic data. A ning reported, th	he effect ha	s heen that	of a narc	ntic t	he workman	ere eye 1	rritai	nt. In the few	w cases of	
into one of o	coma. Recover	v following	removal f	rom expo	sure h	as been the r	ile	noug	a stage of	moxicatio	
		<u>,</u>	<u>,</u>	Toxi							
Type Of	pe Of Type C		Type Of			D D	Type (Of	a .	D	
Dose	Specie	Result	Result Dose		cie Result	Dose			Result		
LD _{50(oral)}	Rat	636	LC _{50(inh)}	Mo	156	5320 ppm	LD _{LO (c}		Human	50 mg/kg	
50(0141)		mg/kg			CO. Sense	1000		oral)	Tuman	JU mg/kj	
			C	ARCINO	GENIC	TTY	- 1				
IARC	ARC Inadequate evidence in animals In				hadequate evidence in humans Group 3: not classifiable as a human carcinogen						
NTP					Not	Listed					
Californi	a (Prop 65):					ACGIH:A4-		0	SHA . Door	ible Salaat	
California (Prop 65): Listed as carcinogen		NIOS	NIOSH: Not Listed						OSHA: Possible Select Carcinogen		
				Carcinogen OGENICITY AND REPRODUCTIVE EFFE							
June 10 1	MU	FAGENICIT	Y, TERATO	DGENICIT	Y ANI	D REPRODUC	TIVE EF	FECT	S		
opecific dev	elopmental abn	bolic offer	included cr	aniotacia	I effec	ts involving	the nose a	and to	ongue, musc	uloskeletal	
meets, mog	enital and metance of fetotoxic	uone enec	is in studies	s on mice	and r	as by the inh	alation at	10 or	al routes of e	exposure	

MATERIAL NAME: T	explorer			MSDS # EPL-11					
mice and rats. Effects on fertility inhalation. These e				by inhalation. Patern epididymis.	al effects were noted	in rats by			
				GICAL INFORMA	TION				
	No information av								
	s: No information			122					
only slightly when	D PERSISTENCE IN	Most	direct releases	r: Toluene evaporates of toluene to the env	when exposed to air	. It dissolves			
evaporates from	water and soil ex	nosed	to air. One	e in air, toluene bi	reaks down to othe	r chemicals			
Microorganisms th	at live in water and	in soil	can also break	down toluene. Becau	use it is a liquid that	does not bind			
well to soil, toluend	e that makes its way	y into th	e ground can i	nove through the grou	and and enter ground	water. Plants			
and animals are not									
				AL CONSIDERAT					
hazardous waste d	ue to ignitability. o not landfill. Resi	Incine dues ar	ration at an E ad spilled mate	e or local regulations. PA-permitted hazardo rial are hazardous was	ous waste manageme ste.	d material are nt facility as			
Not N				State, And Federal La					
Agency		ing Nan		Packing Group	Hazard Class	UN/NA #			
					Flammable				
U.S. DOT				II	Liquid	UN 1294			
CDD CL + D OL //		N 15	REGULA	TORY INFORMA					
CERCLA RQ's (4	0 CFR Part 302)			Toluene - 1,					
RCRA			Toluene - U220 None of the ingredients are listed						
SARA (40 CFR Part 355) TPQ's SARA Title III Section 313			All ingredients listed						
California's Prop 65			All ingredients listed						
OSHA			All ingredients are listed as hazardous under 29 CFR 1910.1200						
	SEC	TION .		R INFORMATIO					
NFPA 704 LABEL:					MIS LABEL				
$\lambda_{3}\lambda$									
$\langle 2 \times 0 \rangle$			•	2-3-0					
	V	Y							
		/	2 - C-						
MSDS REVISIONS:	Change in Format	and up	late of Informa	ation					
MSDS CREATION		_		EVISION #1: 01/0	3/06				
			DISCLAI						
The information in	this MSDS was	obtained	from sources	which we believe a	are reliable. HOW	EVER, THE			
INFORMATION IS	S PROVIDED WIT	THOUT	ANY WARR	ANTY, EXPRESS O	R IMPLIED, REGA	RDING ITS			
may be beyond our	knowledge. FOR T	HIS A	ND OTHER R	use and disposal of the EASONS, WE DO NO	or ASSUME PESP	ur control and			
AND EXPRESSLY	DISCLAIM LIAB	ILITY	FOR LOSS, D	AMAGE OR EXPEN	SE ARISING OUT	OR IN ANY			
WAY CONNECTED	D WITH THE HAN	IDLINC	, STORAGE,	USE OR DISPOSAL	OF THE PRODUCT	. All product			
measurements such as	s flash point, <i>etc.</i> are	consider	ed approximate	values. All data provid	ed by Explorer Pipeline	e Company.			
such as refined petrol	eum hydrocarbon min	tures. tl	ior this product	. If the product is used nation may not be appli-	as a component in and cable.	other product,			
		ý.		inter of appli					
MSDS DEV	ELOPER. Ca	oo We	10mg	DA	TE: 01/03/06				
MODO DEV		Villard,	CIH	BA					