CHS

SAFETY DATA SHEET

1. Identification

Product identifier	Diesel Fuels
Other means of identification	
Synonyms	Diesel Fuel All Grades (X,D,F) * Cenex Roadmaster XL/ Ruby Fieldmaster (X,D,F) B0-B20 * Dyed Diesel * #2 ULSD B0-B20 *Cenex Wintermaster* Cenex Roadmaster XL/Ruby Fieldmaster Seasonally Enhanced* Cenex Roadmaster XL/Ruby Fieldmaster #1* * #1 Diesel * Ultra Low Sulfur Diesel Fuel * Petroleum Distillate *
Recommended use	Fuel.
Recommended restrictions	
Manufacturer/Importer/Supplier/E	Uses other than the recommended use. Distributor information
Company name	CHS Inc.
Address	P.O. Box 64089
	Mail Station 525
	St. Paul, MN 55164-0089
	United States of America
Telephone numbers	Transportation Emergency (CHEMTREC):
	1-800-424-9300
	Technical Information:
	1-651-355-8443
	SDS Information:
	1-651-355-8445

2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 3
Health hazards	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Carcinogenicity	Category 2
	Specific target organ toxicity, repeated exposure	Category 2 (Bone marrow, Liver, Thymus)
	Aspiration hazard	Category 1
Environmental hazards	Hazardous to the aquatic environment, long-term hazard	Category 2
OSHA defined hazards	Not classified.	
Label elements		72
Signal word	Danger	
Hazard statement	cancer. May cause damage to organs (Bor	aled. Causes skin irritation. Suspected of causing me marrow, Liver, Thymus) through prolonged or ad and enters airways. Toxic to aquatic life with long
Precautionary statement		
Prevention	and understood. Keep away from heat/spa container tightly closed. Ground/bond conta electrical/ventilating/lighting equipment. Us measures against static discharge. Do not b	not handle until all safety precautions have been read rks/open flames/hot surfaces No smoking. Keep ainer and receiving equipment. Use explosion-proof e only non-sparking tools. Take precautionary preathe mist/vapors. Wash thoroughly after handling. a. Avoid release to the environment. Wear protective

gloves/protective clothing/eye protection/face protection.

Response	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention. In case of fire: Use appropriate media to extinguish. Collect spillage.
Storage	Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Fuels, diesel	68476-34-6	80 - 100
Fatty acid Methyl Ester (Fame)	68990-52-3	0 - 20
Ethylbenzene	100-41-4	0 - 0.3
Naphthalene	91-20-3	0 - 0.25

Composition comments	Any concentration shown as a range is to protect confidentiality or is due to batch variation. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Components not listed are either non-hazardous or are below reportable limits.
4. First-aid measures	
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a poison center or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. Jaundice. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.
5. Fire-fighting measures	
Suitable extinguishing media	Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Flammable liquid and vapor.

6. Accidental release measures

0. Accidental release meas	
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS. The product is insoluble in water.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.
7. Handling and storage	
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Do not store above the following temperature: 113°C (235.4°F). Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000) Components Type Value

Components	туре	value	
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3	
		100 ppm	
Naphthalene (CAS 91-20-3)	PEL	50 mg/m3	
		10 ppm	
US. ACGIH Threshold Limit Values	(TLV)		
Components	Туре	Value	Form
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
Fuels, diesel (CAS 68476-34-6)	TWA	100 mg/m3	Inhalable fraction and
Naphthalene (CAS 91-20-3)	TWA	10 ppm	vapor.

Components	Туре		Va	alue
Ethylbenzene (CAS 100-41-4)	IDLH	1	0.	8 %
			80	0 ppm
Naphthalene (CAS 91-20-	·3) IDL⊢	ł	0.	9 %
			25	i0 ppm
US. NIOSH: Pocket Guid				
Components	Туре)	Va	alue
Ethylbenzene (CAS 100-41-4)	STEL	-	54	-5 mg/m3
100-+1-+)			12	25 ppm
	TWA	N N		55 mg/m3
				0 ppm
Naphthalene (CAS 91-20-	-3) STEL	_		i mg/m3
	,			5 ppm
	TWA	Λ) mg/m3
) ppm
Biological limit values				
ACGIH Biological Expos	ure Indices (BEI)			
Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS	150 mg/g	Sum of	Creatinine in	*
100-41-4)		mandelic acid and	urine	
		anu		
		phenylglyoxylic		
		phenylglyoxylic acid		
* - For sampling details, ple	ease see the source docur	phenylglyoxylic acid		
xposure guidelines		phenylglyoxylic acid		
xposure guidelines US - California OELs: Ski	n designation	phenylglyoxylic acid nent.	e absorbed throug	ah the skin.
xposure guidelines	n designation -20-3)	phenylglyoxylic acid nent. Can be	e absorbed throug	gh the skin.
xposure guidelines US - California OELs: Ski Naphthalene (CAS 91 US ACGIH Threshold Lim Fuels, diesel (CAS 684	n designation -20-3) hit Values: Skin designat 476-34-6)	phenylglyoxylic acid nent. Can be ion Dange	er of cutaneous ab	psorption
xposure guidelines US - California OELs: Ski Naphthalene (CAS 91- US ACGIH Threshold Lim Fuels, diesel (CAS 68- Naphthalene (CAS 91-	n designation -20-3) nit Values: Skin designat 476-34-6) -20-3)	phenylglyoxylic acid nent. Can be ion Dange Dange	er of cutaneous ab er of cutaneous ab	psorption psorption
xposure guidelines US - California OELs: Ski Naphthalene (CAS 91- US ACGIH Threshold Lim Fuels, diesel (CAS 68-	n designation -20-3) hit Values: Skin designat 476-34-6) -20-3) Explosion-proof gen Ventilation rates sho exhaust ventilation, d	phenylglyoxylic acid nent. Can be ion Dange Dange eral and local exh build be matched to or other engineerin cposure limits have	er of cutaneous ab er of cutaneous ab aust ventilation. O conditions. If ap og controls to mair e not been establ	osorption osorption Good general ventilation should be used plicable, use process enclosures, local ntain airborne levels below recommende ished, maintain airborne levels to an
xposure guidelines US - California OELs: Ski Naphthalene (CAS 91- US ACGIH Threshold Lim Fuels, diesel (CAS 68- Naphthalene (CAS 91- ppropriate engineering ontrols	n designation -20-3) hit Values: Skin designat 476-34-6) -20-3) Explosion-proof gen Ventilation rates sho exhaust ventilation, o exposure limits. If ey acceptable level. Pro es, such as personal pro Wear chemical splas	phenylglyoxylic acid nent. Can be ion Dange Dange eral and local exh build be matched to or other engineerin kposure limits have ovide eyewash sta tective equipmen	er of cutaneous ab er of cutaneous ab aust ventilation. (o conditions. If ap ig controls to mair e not been establ ition and safety sl	psorption psorption Good general ventilation should be used plicable, use process enclosures, local ntain airborne levels below recommende ished, maintain airborne levels to an hower.
xposure guidelines US - California OELs: Ski Naphthalene (CAS 91- US ACGIH Threshold Lim Fuels, diesel (CAS 68- Naphthalene (CAS 91- ppropriate engineering ontrols	n designation -20-3) hit Values: Skin designat 476-34-6) -20-3) Explosion-proof gen Ventilation rates sho exhaust ventilation, o exposure limits. If ex acceptable level. Pro- es, such as personal pro-	phenylglyoxylic acid nent. Can be ion Dange Dange eral and local exh build be matched to or other engineerin kposure limits have ovide eyewash sta tective equipmen	er of cutaneous ab er of cutaneous ab aust ventilation. (o conditions. If ap ig controls to mair e not been establ ition and safety sl	psorption psorption Good general ventilation should be used plicable, use process enclosures, local ntain airborne levels below recommende ished, maintain airborne levels to an hower.
xposure guidelines US - California OELs: Ski Naphthalene (CAS 91- US ACGIH Threshold Lim Fuels, diesel (CAS 68- Naphthalene (CAS 91- ppropriate engineering ontrols	n designation -20-3) hit Values: Skin designat 476-34-6) -20-3) Explosion-proof gen Ventilation rates sho exhaust ventilation, o exposure limits. If ex acceptable level. Pro es, such as personal pro Wear chemical splas risk of exposure.	phenylglyoxylic acid nent. Can be ion Dange eral and local exh buld be matched to or other engineerin cosure limits have ovide eyewash sta tective equipmen sh goggles, face sh emical resistant gl ble glove must be	er of cutaneous ab er of cutaneous ab aust ventilation. C o conditions. If ap ig controls to mair e not been establ ition and safety sl titon and safety gla it nield, or safety gla oves. Nitrile glove chosen in consul	psorption Soorption Good general ventilation should be used plicable, use process enclosures, local ntain airborne levels below recommende ished, maintain airborne levels to an hower. sses with side shields as appropriate for es are recommended. 4-8h break through tation with the gloves supplier, who can
xposure guidelines US - California OELs: Ski Naphthalene (CAS 91- US ACGIH Threshold Lim Fuels, diesel (CAS 68- Naphthalene (CAS 91- ppropriate engineering ontrols dividual protection measure Eye/face protection Skin protection	n designation -20-3) hit Values: Skin designat 476-34-6) -20-3) Explosion-proof gen Ventilation rates sho exhaust ventilation, o exposure limits. If ex acceptable level. Pro es, such as personal pro Wear chemical splas risk of exposure. Wear appropriate ch time The most suital	phenylglyoxylic acid nent. Can be ion Dange eral and local exh buld be matched to or other engineerin cosure limits have ovide eyewash sta tective equipmen sh goggles, face sh emical resistant gl ble glove must be	er of cutaneous ab er of cutaneous ab aust ventilation. C o conditions. If ap ig controls to mair e not been establ ition and safety sl titon and safety gla it nield, or safety gla oves. Nitrile glove chosen in consul	psorption Soorption Good general ventilation should be used plicable, use process enclosures, local ntain airborne levels below recommende ished, maintain airborne levels to an hower. sses with side shields as appropriate for es are recommended. 4-8h break through tation with the gloves supplier, who can
xposure guidelines US - California OELs: Ski Naphthalene (CAS 91- US ACGIH Threshold Lim Fuels, diesel (CAS 68- Naphthalene (CAS 91- ppropriate engineering ontrols	n designation -20-3) hit Values: Skin designat 476-34-6) -20-3) Explosion-proof gen Ventilation rates sho exhaust ventilation, o exposure limits. If ex- acceptable level. Pro- es, such as personal pro Wear chemical splass risk of exposure. Wear appropriate ch time The most suital inform about the bre	phenylglyoxylic acid nent. Can be ion Dange eral and local exh buld be matched to or other engineerin cosure limits have ovide eyewash sta tective equipmen sh goggles, face sh emical resistant gl ble glove must be eakthrough time of	er of cutaneous ab er of cutaneous ab aust ventilation. O o conditions. If ap og controls to mair e not been establ titon and safety sl tit nield, or safety gla oves. Nitrile glove chosen in consul the glove materia	psorption Soorption Good general ventilation should be used plicable, use process enclosures, local ntain airborne levels below recommende ished, maintain airborne levels to an hower. sses with side shields as appropriate for es are recommended. 4-8h break through tation with the gloves supplier, who can al.
xposure guidelines US - California OELs: Ski Naphthalene (CAS 91- US ACGIH Threshold Lim Fuels, diesel (CAS 68- Naphthalene (CAS 91- ppropriate engineering ontrols adividual protection measure Eye/face protection Skin protection Hand protection	n designation -20-3) hit Values: Skin designat 476-34-6) -20-3) Explosion-proof gen Ventilation rates sho exhaust ventilation, o exposure limits. If ex- acceptable level. Pro- es, such as personal pro- Wear chemical splas- risk of exposure. Wear appropriate ch time The most suital inform about the brea- Wear appropriate ch sleeved clothing. Us If engineering controc limits (where applica- been established), a cartridge and full fac	phenylglyoxylic acid nent. Can be ion Dange Dange eral and local exh. buld be matched to or other engineerin kposure limits have ovide eyewash sta tective equipmen sh goggles, face sh emical resistant gl ble glove must be eakthrough time of emical resistant club is do not maintair able) or to an acce in approved respira epiece. Wear a Nic erica, if respirators	er of cutaneous ab aust ventilation. Conditions. If ap ag controls to main a not been establication and safety shat the not been establication and safety shat hield, or safety gla oves. Nitrile glove chosen in consult the glove materia bothing. Use of an in bots is recomment a airborne concent ptable level (in consult cator must be worr OSH-approved (of sare used, a prog	psorption Soorption Good general ventilation should be used plicable, use process enclosures, local ntain airborne levels below recommende ished, maintain airborne levels to an hower. sses with side shields as appropriate for es are recommended. 4-8h break through tation with the gloves supplier, who can al.

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

····	· · · · · · · · · · · · · · · · · · ·
Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Clear yellow. Red
Odor	Characteristic. Hydrocarbon.
Odor threshold	Not available.
рН	Not applicable (insoluble in water).
Melting point/freezing point	Not available.
Initial boiling point and boiling range	315 - 649.99 °F (157.22 - 343.33 °C)
Flash point	140 °F (60 °C) Pensky-Martens Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	> 3 (Air = 1)
Relative density	0.85
Solubility(ies)	
Solubility (water)	Insoluble.
Partition coefficient (n-octanol/water)	Not applicable, product is a mixture.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
10. Stability and reactivity	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.
11. Toxicological informat	ion
Information on likely routes of ex	xposure

Information on likely routes of exposure		
Inhalation	Harmful if inhaled.	
Skin contact	Causes skin irritation.	
Eye contact	Direct contact with eyes may cause temporary irritation.	

Ingestion

Symptoms related to the physical, chemical and toxicological characteristics

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Aspiration may cause pulmonary edema and pneumonitis. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. Jaundice. Prolonged exposure may cause chronic effects.

Information on toxicological effects

Acute toxicity	Harmful if inhaled.		
Components	Species	Test Results	
Ethylbenzene (CAS 100-41-4)			
Acute			
Dermal	D. 11 %	1=100 #	
LD50	Rabbit	15400 mg/kg	
Inhalation			
LC50	Rat	17.4 mg/l, 4 hours	
Oral LD50	Rat	3500 - 4700 mg/kg	
Fuels, diesel (CAS 68476-34-6)			
Acute			
Inhalation			
LC50	Rat	4.1 mg/l, 4 hours	
Naphthalene (CAS 91-20-3)			
<u>Acute</u>			
Dermal			
LD50	Rat	> 2500 mg/kg	
Inhalation			
Vapor	Det		
LC50	Rat	> 0.4 mg/l, 4 Hours	
Oral	Maura		
LD50	Mouse	553 mg/kg	
Skin corrosion/irritation	Causes skin irritation.		
Serious eye damage/eye irritation	Direct contact with eyes may c	ause temporary irritation.	
Respiratory or skin sensitization			
Respiratory sensitization	Not a respiratory sensitizer.		
Skin sensitization	This product is not expected to		
Germ cell mutagenicity	No data available to indicate p mutagenic or genotoxic.	roduct or any components present at greater than 0.1% are	
Carcinogenicity	Suspected of causing cancer.		
IARC Monographs. Overall	Evaluation of Carcinogenicity		
Ethylbenzene (CAS 100-41-4) Fuels, diesel (CAS 68476-34-6) Naphthalene (CAS 91-20-3)		2B Possibly carcinogenic to humans. 3 Not classifiable as to carcinogenicity to humans. 2B Possibly carcinogenic to humans.	
NTP Report on Carcinogens	6		
Naphthalene (CAS 91-20	-3)	Known To Be Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen.	
OSHA Specifically Regulate Not listed.	d Substances (29 CFR 1910.10	01-1053)	
Reproductive toxicity	This product is not expected to	cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.	· ·	
Specific target organ toxicity - repeated exposure	May cause damage to organs (Bone marrow, Liver, Thymus) through prolonged or repeated exposure.		

Aspiration hazard

May be fatal if swallowed and enters airways.

Chronic effects

Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

		quatic life with long lasting effects.		
-		Species	Test Results	
Components Ethylbenzene (CAS 100-41-4	1)	opecies		
Aquatic	+)			
Acute				
Crustacea	EC50	Water flea (Daphnia magna)	1.81 - 2.38 mg/l, 48 hours	
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4.2 mg/l, 96 hours	
<i>Chronic</i> Crustacea	EC50	Ceriodaphnia dubia	3.6 mg/l, 7 days	
Fuels, diesel (CAS 68476-34	-6)	·		
Aquatic Acute				
Crustacea	EL50	Daphnia magna	68 mg/l, 48 hours	
Fish	LL50	Oncorhynchusmykiss	65 mg/l, 96 hours	
Naphthalene (CAS 91-20-3) Aquatic				
Algae Acute	EC50	Diatom (Skeletonema costatum)	0.4 mg/l, 72 Hours	
Crustacea	EC50	Daphnia magna	2.16 mg/l, 48 hours	
Fish	LC50	Pimephales promelas	6.08 mg/l, 96 hours	
Chronic			3,	
Crustacea	NOEC	Water flea (Daphnia pulex)	0.59 mg/l, 125 days	
Fish	NOEC	Coho salmon,silver salmon (Oncorhynchus kisutch)	0.37 mg/l, 40 days	
Terrestrial				
Bacteria	IC50	Nitrosomonas sp.	29 mg/l, 24 Hours	
ersistence and degradability	No data is	available on the degradability of this produ	ict.	
ioaccumulative potential		vailable on bioaccumulation.		
Partition coefficient n-octa Ethylbenzene (CAS 100-41-		3.15		
Naphthalene (CAS 91-20-3)	The produ	3.3 ct is insoluble in water.		
lobility in soil ther adverse effects	•		at The product contains velatile organic	
	compound more subs	Oil spills are generally hazardous to the environment. The product contains volatile organic compounds which have a photochemical ozone creation potential. This product contains one or more substances identified as hazardous air pollutants (HAPs) per the US Federal Clean Air Act (see section 15).		
3. Disposal consideration	ons			
isposal instructions	this materi with chem		at licensed waste disposal site. Do not allow not contaminate ponds, waterways or ditches ts/container in accordance with	
ocal disposal regulations	Dispose in	accordance with all applicable regulations		
azardous waste code	disposal c	ompany.	tween the user, the producer and the waste	
/aste from residues / unused roducts	product re	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.		
ontaminated packaging			e, follow label warnings even after container is oproved waste handling site for recycling or	

14. Transport information

DOT				
UN number	UN1202			
UN proper shipping name	Diesel Fuel			
Transport hazard class(es)				
Class	3			
Subsidiary hazard	-			
Label(s)	3			
Packing group	Ű			
Environmental hazards				
	Yes			
Marine pollutant		and SDS and amorganous propadures before bandling		
Special provisions for user	144, B1, IB3, T2, Tl	ons, SDS and emergency procedures before handling.		
Packaging exceptions	150	- 1		
Packaging non bulk	203 242			
Packaging bulk	242			
ΑΤΑ				
UN number	UN1202			
UN proper shipping name	Diesel Fuel			
Transport hazard class(es)				
Class	3			
Subsidiary hazard	-			
Packing group	III			
Environmental hazards	Yes			
ERG Code	3L			
Special precautions for user	r Read safety instructi	ons, SDS and emergency procedures before handling.		
MDG				
UN number	UN1202			
UN proper shipping name		L FUEL or HEATING OIL, LIGHT		
Transport hazard class(es)				
Class	3			
Subsidiary hazard	-			
Packing group	III			
Environmental hazards				
Marine pollutant	Yes			
EmS	F-E, S-E			
		ons, SDS and emergency procedures before handling.		
Fransport in bulk according to Annex II of MARPOL 73/78 and he IBC Code	Not established.			
15. Regulatory information				
• •				
US federal regulations	Standard, 29 CFR	azardous Chemical" as defined by the OSHA Hazard Communication		
TSCA Section 12(b) Exp	oort Notification (40 (CFR 707, Subpt. D)		
Not regulated.				
CERCLA Hazardous Sul	bstance List (40 CFR	302.4)		
Not listed.				
SARA 304 Emergency re	elease notification			
Not regulated.				
OSHA Specifically Regu	lated Substances (2	9 CFR 1910.1001-1053)		
Not listed.				
	(7001)			
Toxic Substances Control A	ct (TSCA)	All components of the mixture on the TSCA 8(b) inventory are designed	jnated	
		"active".		
Superfund Amendments and Rea	authorization Act of '	1986 (SARA)		
SARA 302 Extremely hazard	dous substance			
Not listed.				
SARA 311/312 Hazardous	Yes			
chemical	100			
Diesel Fuels			SDS l	
069610 Varian # 01 Davision d	atas lasua datas 00 A		0/10	

Classified hazard categories	Flammable (gases, aerosols, liquids, or solids) Acute toxicity (any route of exposure) Skin corrosion or irritation Carcinogenicity Specific target organ toxicity (single or repeated exposure) Aspiration hazard					
SARA 313 (TRI reporting)						
Chemical name		CAS number	% by wt.			
Ethylbenzene Naphthalene		100-41-4 91-20-3	≤ 0.3 < 0.25			
Other federal regulations						
Clean Air Act (CAA) Sectio Ethylbenzene (CAS 100 Naphthalene (CAS 91-2 Clean Air Act (CAA) Sectio	-41-4) 0-3)		R 68.130)			
Not regulated.						
Safe Drinking Water Act (SDWA)	Contains component(s) regulated under the Safe Drinking Water Act.					
US state regulations						
US. Massachusetts RTK - S	Substance List					
Ethylbenzene (CAS 100-41-4) Naphthalene (CAS 91-20-3) US. New Jersey Worker and Community Right-to-Know Act						
-		-Know Act				
Ethylbenzene (CAS 10 Fuels, diesel (CAS 6847 Naphthalene (CAS 91-2 US. Pennsylvania Worker a	76-34-6) 20-3)	to-Know I aw				
Ethylbenzene (CAS 10 Fuels, diesel (CAS 6847 Naphthalene (CAS 91-2	0-41-4) '6-34-6)					
US. Rhode Island RTK						
Ethylbenzene (CAS 100-41-4) Naphthalene (CAS 91-20-3)						
California Proposition 65						
	WARNING: This product can expose you to chemicals including Ethylbenzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.					
California Proposition 65 - CRT: Listed date/Carcinogenic substance						
Ethylbenzene (CAS 100-41-4) Naphthalene (CAS 91-20-3)		Listed: June 1	Listed: June 11, 2004 Listed: April 19, 2002			
16. Other information, including date of preparation or last revision						
Issue date	22-August-2024					
Revision date	-					
Version #	01					
HMIS® ratings	Health: 3* Flammability:2 Physical hazard: 0					
NFPA ratings	2 0					

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