



SAFETY DATA SHEET

1. Product and Company Identification

Product identifier	87 Regular with Ethanol Blend
Other means of identification	Not available
Recommended use	Motor fuel
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer	
Company name	Lassus Bros., Inc.
Address	1800 Magnivox Way Fort Wayne, IN 46804 United States
Telephone	(260) 436-1415
E-mail	Not available.
Emergency phone number	(260) 705-1138

2. Hazards Identification

Physical hazards	Flammable liquids	Category 1
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Germ cell mutagenicity	Category 1
	Carcinogenicity	Category 1A
	Reproductive toxicity (the unborn child)	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 1
	Aspiration hazard	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
OSHA defined hazards	Not classified.	

Label elements



Signal word	Danger
Hazard statement	Extremely flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Suspected of damaging the unborn child. Causes damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment.
Response	In case of fire: Use appropriate media to extinguish. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Specific treatment (see this label). 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. Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If exposed or concerned: Get medical advice/attention. 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	Not applicable.

3. Composition/Information on Ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Gasoline		8006-61-9	60-100
Gasoline, motor fuel		86290-81-5	60-100
Toluene		108-88-3	10-30
Xylene		1330-20-7	10-30
Ethanol		64-17-5	7-13
Benzene		71-43-2	1-5
Benzene, ethyl-		100-41-4	1-5

Composition comments US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

4. First Aid Measures

Inhalation	If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
Skin contact	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Specific treatment (see product label). Take off contaminated clothing and wash it before reuse.
Eye contact	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

5. Fire Fighting Measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
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.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Extremely flammable liquid and vapor.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep out of low areas. 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 or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ventilate closed spaces before entering them. 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). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. The product is immiscible with water and will spread on the water surface. Stop the flow of material, if this is without risk. Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

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. Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. 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 or vapor. Avoid contact during pregnancy/while nursing. Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wear personal protective equipment. When using, do not eat, drink or smoke. Wash hands thoroughly after handling.
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 a well-ventilated place. Store in cool place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure Controls/Personal Protection

Occupational exposure limits

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Type	Value
Benzene (CAS 71-43-2)	STEL	5 ppm
	TWA	1 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Benzene, ethyl- (CAS 100-41-4)	PEL	435 mg/m ³
		100 ppm
Ethanol (CAS 64-17-5)	PEL	1900 mg/m ³
		1000 ppm
Xylene (CAS 1330-20-7)	PEL	435 mg/m ³
		100 ppm

US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value
Benzene (CAS 71-43-2)	Ceiling	25 ppm
	TWA	10 ppm
Toluene (CAS 108-88-3)	Ceiling	300 ppm
	TWA	200 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Benzene (CAS 71-43-2)	STEL	2.5 ppm
	TWA	0.5 ppm
Benzene, ethyl- (CAS 100-41-4)	TWA	20 ppm
Ethanol (CAS 64-17-5)	STEL	1000 ppm
Gasoline, motor fuel (CAS 86290-81-5)	STEL	500 ppm
	TWA	300 ppm
Toluene (CAS 108-88-3)	TWA	20 ppm
Xylene (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Benzene (CAS 71-43-2)	STEL	1 ppm
	TWA	0.1 ppm
Benzene, ethyl- (CAS 100-41-4)	STEL	545 mg/m ³
		125 ppm
	TWA	435 mg/m ³ 100 ppm
Ethanol (CAS 64-17-5)	TWA	1900 mg/m ³ 1000 ppm
	Toluene (CAS 108-88-3)	STEL
TWA		375 mg/m ³ 100 ppm

Biological limit values**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Benzene (CAS 71-43-2)	25 µg/g	S-Phenylmercapturic acid	Creatinine in urine	*
Benzene, ethyl- (CAS 100-41-4)	0.7 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/L	Toluene	Urine	*
	0.02 mg/L	Toluene	Blood	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

* - For sampling details, please see the source document.

Exposure guidelines**US ACGIH Threshold Limit Values: Skin designation**

Benzene (CAS 71-43-2)

Can be absorbed through the skin.

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

BENZENE (CAS 71-43-2)

Can be absorbed through the skin.

TOLUENE; TOLUOL (CAS 108-88-3)

Can be absorbed through the skin.

US. Minnesota Hazardous Substances List (Minn. Rules 5206.0400).

Toluene (CAS 108-88-3)

Skin designation applies.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Wear safety glasses with side shields (or goggles).

Skin protection**Hand protection**

Rubber gloves. Confirm with a reputable supplier first.

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Wear positive pressure self-contained breathing apparatus (SCBA).

Thermal hazards

Not applicable.

General hygiene considerations

When using, do not eat, drink or 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	Clear
Physical state	Liquid.
Form	Liquid. Liquid
Color	Clear to Light yellow
Odor	Gasoline
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	< 95 °F (< 35 °C) (Gasoline)
Pour point	Not available.
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not available.
Flash point	-40.0 °F (-40.0 °C) Tag Closed Cup (Gasoline)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	> 1.4 % v/v (Gasoline)
Flammability limit - upper (%)	< 7.6 % v/v (Gasoline)
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	9 - 15 PSI (Gasoline)
Vapor density	3 - 4 (Gasoline)
Relative density	Not available.
Solubility(ies)	Insoluble
Auto-ignition temperature	536 - 853 °F (280 - 456.11 °C) (Gasoline)
Decomposition temperature	Not available.
Viscosity	< 20 mm ² /s (Gasoline)

10. Stability and Reactivity

Reactivity	This product may react with oxidizing agents.
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Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.
Incompatible materials	Strong acids. Strong oxidizing agents. Halogens.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Hydrocarbons.

11. Toxicological Information

Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Prolonged inhalation may be harmful. May cause damage to organs by inhalation.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Information on toxicological effects

Acute toxicity Narcotic effects.

Components	Species	Test Results
Benzene (CAS 71-43-2)		
Acute		
<i>Dermal</i>		
LD50	Guinea pig	> 9400 mg/kg
	Rabbit	8263 mg/kg
		8260 mg/kg
<i>Inhalation</i>		
LC50	Mouse	9980 ppm
	Rat	44700 mg/m ³ , 4 Hours
		13700 mg/l/4h
		10000 ppm, 7 Hours
<i>Oral</i>		
LD50	Mouse	4700 mg/kg
	Rat	2990 mg/kg
		690 mg/kg
Benzene, ethyl- (CAS 100-41-4)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	15380 mg/kg
<i>Inhalation</i>		
LC50	Rat	4000 ppm, 4 Hours
<i>Oral</i>		
LD50	Rat	5460 mg/kg
		3500 mg/kg
Ethanol (CAS 64-17-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 15800 mg/kg
<i>Inhalation</i>		
LC50	Mouse	39 mg/L, 4 Hours
	Rat	31623 ppm, 4 Hours
		20000 ppm, 10 Hours
		64.1 mg/l/4h

Components	Species	Test Results	
<i>Oral</i> LD50	Dog	5500 mg/kg	
	Guinea pig	5600 mg/kg	
	Mouse	3450 mg/kg	
	Rat	7060 mg/kg	
Gasoline (CAS 8006-61-9)			
Acute <i>Dermal</i> LD50	Rabbit	3750 mg/kg	
	<i>Inhalation</i> LC50	Rat	5.2 mg/l/4h
		<i>Oral</i> LD50	Rat
Gasoline, motor fuel (CAS 86290-81-5)			
Acute <i>Dermal</i> LD50	Rabbit	> 2000 mg/kg	
	<i>Inhalation</i> LC50	Rat	> 5 mg/l/4h
		<i>Oral</i> LD50	Rat
Toluene (CAS 108-88-3)			
Acute <i>Dermal</i> LD50	Rabbit	12196 mg/kg	
		12125 mg/kg	
		8390 mg/kg	
		14.1 ml/kg	
	<i>Inhalation</i> LC50	Mouse	7100 mg/L, 4 Hours
			5320 ppm, 8 Hours
			400 ppm, 24 Hours
		Rat	26700 ppm, 1 Hours
			<= 28800 mg/m ³ , 4 Hours
			12200 ppm, 2 Hours
<i>Oral</i> LD50	Rat	8000 ppm, 4 Hours	
		12.5 mg/l/4h	
		636 mg/kg	
Xylene (CAS 1330-20-7)			
Acute <i>Dermal</i> LD50	Rabbit	>= 1700 mg/kg	
	<i>Inhalation</i> LC50	Mouse	3907 ppm, 6 Hours
		Rat	6350 ppm, 4 Hours
29.1 mg/L, 4 Hours			
		27.6 mg/L, 4 Hours	
		21.7 mg/L, 4 Hours	

Components	Species	Test Results
Oral LD50	Mouse	5251 mL/kg
		1590 mg/kg
	Rat	3523 - 8600 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitization		
Respiratory sensitization	Not available.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Germ cell mutagenicity	May cause genetic defects.	
Carcinogenicity	May cause cancer.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Benzene (CAS 71-43-2)	1 Carcinogenic to humans.	
Benzene, ethyl- (CAS 100-41-4)	2B Possibly carcinogenic to humans.	
Gasoline (CAS 8006-61-9)	2B Possibly carcinogenic to humans.	
Gasoline, motor fuel (CAS 86290-81-5)	2B Possibly carcinogenic to humans.	
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.	
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.	
US. National Toxicology Program (NTP) Report on Carcinogens		
Benzene (CAS 71-43-2)	Known To Be Human Carcinogen.	
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		
Benzene (CAS 71-43-2)	Cancer	
Reproductive toxicity	Possible reproductive hazard. Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. Suspected of damaging the unborn child.	
Specific target organ toxicity - single exposure	Narcotic effects.	
Specific target organ toxicity - repeated exposure	Causes damage to organs 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. Causes damage to organs through prolonged or repeated exposure.	
Further information	Not available.	

12. Ecological Information

Ecotoxicity			
		Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.	
Components		Species	Test Results
Benzene (CAS 71-43-2)			
Algae	IC50	Algae	29 mg/L, 72 Hours
Crustacea	EC50	Daphnia	12.18 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	8.76 - 15.6 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	7.2 - 11.7 mg/L, 96 hours

Components	Species	Test Results
Benzene, ethyl- (CAS 100-41-4)		
Algae	IC50	Algae 4.6 mg/L, 72 Hours
Crustacea	EC50	Daphnia 2.1 mg/L, 48 Hours
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) 1.37 - 4.4 mg/L, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) 7.5 - 11 mg/L, 96 hours
Ethanol (CAS 64-17-5)		
Crustacea	EC50	Daphnia 11744.5 mg/L, 48 Hours
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) 7.7 - 11.2 mg/L, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) > 100 mg/L, 96 hours
Gasoline (CAS 8006-61-9)		
Algae	IC50	Algae 4700 mg/L, 72 Hours
Gasoline, motor fuel (CAS 86290-81-5)		
Algae	IC50	Algae 56 mg/L, 72 Hours
Toluene (CAS 108-88-3)		
Algae	IC50	Algae 433 mg/L, 72 Hours
Crustacea	EC50	Daphnia 7.645 mg/L, 48 Hours
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) 5.46 - 9.83 mg/L, 48 hours
Fish	LC50	Coho salmon, silver salmon (Oncorhynchus kisutch) 8.11 mg/L, 96 hours
Xylene (CAS 1330-20-7)		
Aquatic		
Fish	LC50	Bluegill (Lepomis macrochirus) 7.711 - 9.591 mg/L, 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

Benzene	2.13
Benzene, ethyl-	3.15
Ethanol	-0.31
Toluene	2.73
Xylene	3.12 - 3.2

Mobility in soil No data available.

Mobility in general Not available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

US RCRA Hazardous Waste U List: Reference

Benzene (CAS 71-43-2)	U019
Toluene (CAS 108-88-3)	U220
Xylene (CAS 1330-20-7)	U239

Waste from residues / unused products 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 (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

U.S. Department of Transportation (DOT)

Basic shipping requirements:

UN number	UN1203
Proper shipping name	Gasoline includes gasoline mixed with ethyl alcohol, with not more than 10 percent alcohol
Hazard class	3
Packing group	II
Special provisions	144, 177, B1, B33, IB2, T4
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242

DOT



15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Benzene (CAS 71-43-2)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Gasoline (CAS 8006-61-9)	Listed.
Gasoline, motor fuel (CAS 86290-81-5)	Listed.
Toluene (CAS 108-88-3)	Listed.
Xylene (CAS 1330-20-7)	Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Benzene (CAS 71-43-2)	Cancer Central nervous system Blood Aspiration Skin Eye respiratory tract irritation Flammability
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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Toluene	108-88-3	10-30
Xylene	1330-20-7	10-30
Benzene	71-43-2	1-5
Benzene, ethyl-	100-41-4	1-5

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Benzene (CAS 71-43-2)
Benzene, ethyl- (CAS 100-41-4)

Toluene (CAS 108-88-3)

Xylene (CAS 1330-20-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Toluene (CAS 108-88-3) 6594

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Toluene (CAS 108-88-3) 35 %WV

DEA Exempt Chemical Mixtures Code Number

Toluene (CAS 108-88-3) 594

Food and Drug Administration (FDA) Not regulated.

US state regulations WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Hazardous Substances (Director's): Listed substance

Benzene (CAS 71-43-2) Listed.

Benzene, ethyl- (CAS 100-41-4) Listed.

Ethanol (CAS 64-17-5) Listed.

Gasoline (CAS 8006-61-9) Listed.

Toluene (CAS 108-88-3) Listed.

Xylene (CAS 1330-20-7) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Benzene (CAS 71-43-2) Listed.

Benzene, (1-methylethyl)- (CAS 98-82-8) Listed.

Benzene, ethyl- (CAS 100-41-4) Listed.

Ethanol (CAS 64-17-5) Listed.

Toluene (CAS 108-88-3) Listed.

US - Connecticut Carcinogenic Substance Reporting: Listed substance

Benzene (CAS 71-43-2) Listed.

US - Illinois Chemical Safety Act: Listed substance

Benzene (CAS 71-43-2) Listed.

Benzene, ethyl- (CAS 100-41-4) Listed.

Ethanol (CAS 64-17-5) Listed.

Gasoline (CAS 8006-61-9) Listed.

Gasoline, motor fuel (CAS 86290-81-5) Listed.

Toluene (CAS 108-88-3) Listed.

Xylene (CAS 1330-20-7) Listed.

US - Louisiana Spill Reporting: Listed substance

Benzene (CAS 71-43-2) Listed.

Benzene, ethyl- (CAS 100-41-4) Listed.

Ethanol (CAS 64-17-5) Listed.

Gasoline (CAS 8006-61-9) Listed.

Gasoline, motor fuel (CAS 86290-81-5) Listed.

Toluene (CAS 108-88-3) Listed.

Xylene (CAS 1330-20-7) Listed.

US - Michigan Critical Materials Register: Parameter number

Benzene (CAS 71-43-2) 00071-43-2 Listed.

Toluene (CAS 108-88-3) 00108-88-3 Listed.

Xylene (CAS 1330-20-7) 01330-20-7 Listed.

US - Minnesota Haz Subs: Listed substance

Benzene (CAS 71-43-2) Listed.

Benzene, ethyl- (CAS 100-41-4) Listed.

Ethanol (CAS 64-17-5) Listed.

Gasoline (CAS 8006-61-9) Listed.

Toluene (CAS 108-88-3) Listed.

Xylene (CAS 1330-20-7) Listed.

US - New Jersey RTK - Substances: Listed substance

Benzene (CAS 71-43-2) Listed.

Benzene, ethyl- (CAS 100-41-4) Listed.

Ethanol (CAS 64-17-5) Listed.

Gasoline (CAS 8006-61-9) Listed.

Toluene (CAS 108-88-3) Listed.

Xylene (CAS 1330-20-7) Listed.

US - New York Release Reporting: Hazardous Substances: Listed substance

Benzene (CAS 71-43-2)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Toluene (CAS 108-88-3)	Listed.
Xylene (CAS 1330-20-7)	Listed.

US - North Carolina Toxic Air Pollutants: Listed substance

Benzene (CAS 71-43-2)	Listed.
Toluene (CAS 108-88-3)	Listed.
Xylene (CAS 1330-20-7)	Listed.

US - Pennsylvania RTK - Hazardous Substances: Special hazard

Benzene (CAS 71-43-2)	Special hazard.
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US - Texas Effects Screening Levels: Listed substance

Benzene (CAS 71-43-2)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Gasoline (CAS 8006-61-9)	Listed.
Gasoline, motor fuel (CAS 86290-81-5)	Listed.
Toluene (CAS 108-88-3)	Listed.
Xylene (CAS 1330-20-7)	Listed.

US - Washington Chemical of High Concern to Children: Listed substance

Benzene (CAS 71-43-2)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Toluene (CAS 108-88-3)	Listed.

US. Massachusetts RTK - Substance List

Benzene (CAS 71-43-2)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Gasoline (CAS 8006-61-9)	Listed.
Toluene (CAS 108-88-3)	Listed.
Xylene (CAS 1330-20-7)	Listed.

US. Pennsylvania RTK - Hazardous Substances

Benzene (CAS 71-43-2)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Gasoline, motor fuel (CAS 86290-81-5)	Listed.
Toluene (CAS 108-88-3)	Listed.
Xylene (CAS 1330-20-7)	Listed.

US. Rhode Island RTK

Benzene (CAS 71-43-2)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Toluene (CAS 108-88-3)	Listed.
Xylene (CAS 1330-20-7)	Listed.

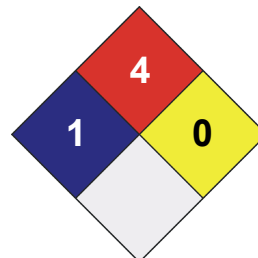
Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	* 1
FLAMMABILITY	4
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Disclaimer

The data contained in this material safety data sheet was obtained from sources that were technically accurate, reliable, and state of the art when this document was prepared. If data was unavailable to complete certain sections, the absence of that data is identified in this document. Because the supplier cannot know the exact circumstances during actual use of this product, other hazards, exposure scenarios, disposal considerations, and regulations may apply and it is the responsibility of the user to read and understand the product label and this document before use. Do not use the product for purposes other than those stated in Section 1.

Issue date

12-November-2015

Further information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

Other information

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Prepared by

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