

SAFETY DATA SHEET

Issuing Date No data available Revision Date 03-Jan-2017 Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name HCR PLUS

Other means of identification

Product Code(s) 135600

UN/ID no. 1203

Synonyms Leaded racing gasoline

Recommended use of the chemical and restrictions on use

Recommended Use Liquid: automotive refuelling. California Air Resources Board (CARB): This product cannot

be sold, offered for sale, supplied or offered for supply for motor vehicles in California except in competition racing vehicles. Not Legal For Use in Any Other Motor Vehicle.

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

Sunoco LP

3801 West Chester Pike

Newtown Square Pennsylvania 19073

Sunoco Race Fuels email: performanceproducts@sunoco.com

http://www.Sunocoracefuels.com

Emergency telephone number

Company Phone Number Product Safety Information 1-888-567-3066

Email sunocomsds@sunoco.com

24 Hour Emergency Phone Number Sunoco LP: (800) 964-8861

Emergency Telephone Chemtrec 1-800-424-9300 24 Hour Emergency Phone Number

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Reproductive toxicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

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Label elements

Danger

Hazard statements

Causes skin irritation

May damage fertility or the unborn child

May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure (central nervous system, liver, kidney, respiratory system and cardiovascular system)

May be fatal if swallowed and enters airways

Highly flammable liquid and vapor



Appearance orange liquid

Physical state liquid

Odor Gasoline

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Use only outdoors or in a well-ventilated area

Do not breathe dust/fume/gas/mist/vapors/spray

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use spark-proof tools and explosion-proof equipment

Take precautionary measures against static discharge

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

If skin irritation occurs: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place.

Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

static accumulator

Vapors may form explosive mixture with air

Other Information

EXTREMELY FLAMMABLE LIQUID AND VAPOR, VAPOR MAY CAUSE FLASH FIRE

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Unknown acute toxicity

0 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

<u>Mixture</u>

Synonyms

Leaded racing gasoline.

Chemical name	CAS No.	Weight-%	Trade secret
Naphtha (petroleum), light alkylate	64741-66-8	70-85	*
Toluene	108-88-3	15-30	*
N-Butane	106-97-8	1-11	*
Tetraethyl Lead	78-00-2	0.1-0.5	*
Xylene	1330-20-7	0.005-0.01	*
Ethylbenzene	100-41-4	0.001-0.01	*
Benzene	71-43-2	0.001-0.01	*

^{*}The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Inhalation Remove to fresh air. Give artificial respiration if victim is not breathing. If breathing is

difficult, administer oxygen. Get immediate medical advice/attention.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin contact Wash skin with soap and water for 20 minutes. Remove and isolate contaminated clothing

and shoes. Get immediate medical advice/attention. Injection injuries may not appear serious at first but within a few hours, without proper treatment, the area will become swollen, discolored and extremely painful. Following injection, prompt debridement of the wound is necessary to minimize necrosis and tissue loss. Wash contaminated clothing

before reuse.

Ingestion If swallowed, call a poison control center or physician immediately. Never give anything by

mouth to an unconscious person. Get immediate medical advice/attention. Do NOT induce

vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms Causes headache, drowsiness or other effects to the central nervous system. Dizziness.

Disorientation. Aspiration can cause nausea and vomitting.

Indication of any immediate medical attention and special treatment needed

Note to physicians A patient adversely affected by exposure to this product should not be given adrenaline

(epinephrine) or similar heart stimulant since these would increase the risk of cardiac arrhythmias. Aspiration hazard if swallowed. Can enter lungs and cause damage.

5. FIRE-FIGHTING MEASURES

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Suitable Extinguishing Media In case of fire: Use CO2, dry chemical, or foam for extinction. Use extinguishing measures

that are appropriate to local circumstances and the surrounding environment. In the event

of fire, cool tanks with water spray.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the

chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge

EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. Vapors can travel considerable distances to a source of ignition where they can ignite, flash back, or explode. static accumulator. Vapors can form explosive mixtures with air. May be ignited by friction, heat, sparks or flames.

Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Keep people away from and upwind of spill/leak. Do not touch or walk through spilled Personal precautions

> material. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid breathing vapors or mists. Ensure adequate ventilation. Do not touch damaged

containers or spilled material unless wearing appropriate protective clothing.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Local authorities **Environmental precautions**

should be advised if significant spillages cannot be contained. See Section 12 for additional

Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Absorb or cover with dry earth, sand or

other non-combustible material and transfer to containers.

Pick up and transfer to properly labeled containers. Use clean non-sparking tools to collect Methods for cleaning up

absorbed material.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Avoid breathing dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Do not siphon by mouth. Static charges can accumulate during shipping, unloading, pouring or conveying. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. Bonding and grounding alone may be inadequate to eliminate fire and explosion hazards associated with electrostatic charges. In addition to bonding and grounding, efforts to mitigate the hazards of an electrostatic discharge may include, but are not limited to, ventilation, inerting and/or

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reduction of transfer velocities. Always keep the nozzle in contact with the container throughout the loading process. Do not fill any portable containers in or on a vehicle. Special precautions, such as reduced loading rates and increased monitoring, must be observed during "switch loading" operations (i.e. loading this material in tanks or shipping compartments that previously contained middle distillates or similar products). Non-equilibrium conditions may increase the risks associated with static electricity such as tank and container filling, tank cleaning, sampling, gauging, loading, filtering, mixing, agitation, etc. Dissipation of electrostatic charges may be improved with the use of conductivity additives when used with other mitigating efforts, including bonding and grounding. Empty containers may contain product residue. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture of weld containers. Dispose of empty containers and wastes safely.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Dispose of empty containers and wastes safely. NFPA Class 1B Storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Naphtha (petroleum), light alkylate 64741-66-8	-	-	-
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 560 mg/m³
N-Butane 106-97-8	STEL: 1000 ppm	-	TWA: 800 ppm TWA: 1900 mg/m ³
Tetraethyl Lead 78-00-2	8-hr TWA: 0.1 mg/m ³	8-hr TWA: 0.075 mg/m ³	IDLH: 40 mg/m³ Pb IDLH: 100 mg/m³ Pb TWA: 0.075 mg/m³ Pb TWA: 0.050 mg/m³ Pb
Xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m ³	-
Ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m ³	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m³ STEL: 125 ppm STEL: 545 mg/m³
Benzene 71-43-2	STEL: 2.5 ppm TWA: 0.5 ppm	TWA: 10 ppm applies to industry segments exempt from the benzene standard at 29 CFR 1910.1028 TWA: 1 ppm Ceiling: 25 ppm STEL: 5 ppm see 29 CFR 1910.1028	IDLH: 500 ppm TWA: 0.1 ppm STEL: 1 ppm

Other Information

Sunoco derived Time Weighted Average (TWA) for Alkylate: 100 ppm.

Appropriate engineering controls

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Engineering controls Ensure that

Ensure that eyewash stations and safety showers are close to the workstation location. Handle product only in closed system or provide appropriate exhaust ventilation. Use with

local exhaust ventilation. Use explosion-proof ventilating equipment.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Face protection shield.

Hand Protection Wear suitable gloves. Break though time: >8 hours. Nitrile rubber. Viton™. Teflon.

Skin and body protection If there is a risk of contact:. Impervious clothing. Protective shoes or boots. Nitrile rubber.

Viton™. Teflon.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. Half-mask air purifying respirator with organic vapor cartridges is acceptable for exposures to ten (10) times the exposure limit. Full-face air purifying respirator with organic vapor cartridges is acceptable for exposures to fifty (50) times the exposure limit. Exposure should not exceed the cartridge limit of 1000 ppm. Protection by air purifying respirators is limited. Use a positive pressure-demand full-face supplied air respirator or SCBA for exposures greater than fifty (50) times the

exposure limit.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state liquid

Appearanceorange liquidOdorGasolineColorclearOdor threshold<1 ppm</th>

Property Values Remarks • Method

Not applicable pН No data available No data available Melting point / freezing point None known 38 - 127 °C / 100 - 260 °F ASTM D 86 Boiling point / boiling range Flash point -40 °C / -40 °F Reference value **Evaporation rate** No data available None known Flammability (solid, gas) No data available None known Flammability Limit in Air Reference value

Upper flammability limit: 7.6
Lower flammability limit: 1.5

Vapor pressure 5-16 psia Reference value Vapor density No data available None known Relative density ASTM D 287 0.737Water solubility NIL - 15% Reference value Solubility in other solvents No data available None known Partition coefficient 2 - 7 Reference value

Partition coefficient2 - /Reference valueAutoignition temperature280 °C / 536 °FReference valueDecomposition temperatureNo data availableNone knownKinematic viscosityNo data availableNone knownDynamic viscosityNo data availableNone known

Explosive propertiesOxidizing properties
No information available
No information available

Other Information

Softening point No information available

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Molecular weightNo information availableVOC Content (%)100% (Reference value)Liquid DensityNo information availableBulk densityNo information available

10. STABILITY AND REACTIVITY

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid Keep away from open flames, hot surfaces and sources of ignition. Take precautionary

measures against static discharge. Vapors can form explosive mixtures with air.

Incompatible materials Strong oxidizing agents, strong acids, and strong bases. Halogens. Halogenated

compounds. Peroxides. Chlorine.

Hazardous decomposition products Carbon monoxide. Carbon dioxide (CO2). Asphyxiants.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Information on toxicological effects

Symptoms Causes headache, drowsiness or other effects to the central nervous system. Dizziness.

Disorientation. Skin irritation. Erythema (skin redness). Aspiration can cause nausea and

vomitting.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 5,054.00 ATEmix (dermal) 2,449.00 ATEmix (inhalation-dust/mist) 55.60

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Naphtha (petroleum), light alkylate 64741-66-8	> 7000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 6.31 mg/L (Rat) 4 h
Toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat)4 h
N-Butane	-	-	= 658 g/m ³ (Rat) 4 h

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106-97-8			
Tetraethyl Lead 78-00-2	= 12.3 mg/kg (Rat) = 12300 μ g/kg (Rat)	= 990 mg/kg (Rabbit)	= 850 mg/m ³ (Rat) 1 h
Xylene 1330-20-7	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit) > 1700 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h
Ethylbenzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.4 mg/L (Rat)4 h
Benzene 71-43-2	= 1800 mg/kg (Rat) = 810 mg/kg (Rat)	> 8200 mg/kg (Rabbit)	= 44.66 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

Samples of gasoline and a number of low boiling point naphtha streams have been tested in rabbit skin irritation studies. The majority of the data were derived using a 24 hour occluded exposure protocol. The degree of dermal irritation observed was variable, ranging from slight to moderate/severe, normally persisting for up to 14 days. There was no evidence of skin corrosion. Heavier, aromatic materials caused more irritation than lighter, paraffinic streams (API, 1995).

Serious eye damage/eye irritation

The effects of gasoline and low boiling point naphtha streams on the eye have been investigated in rabbits using a number of samples. None of the samples tested showed more than minimal redness and swelling, which resolved quickly (ARCO, 1986-A).

Respiratory or skin sensitization

Tests in guinea pigs with gasoline and a number of low boiling point naphtha streams showed no evidence of skin sensitization (ARCO, 1986-B). There are no reports available to indicate that gasoline or low boiling point naphthas have the potential to cause respiratory sensitization.

Germ cell mutagenicity

The mutagenic potential of gasoline and low boiling point naphthas has been extensively studied in a range of in vivo and in vitro assays. The majority of the studies showed no evidence of mutagenic activity (API, 1977; API, 2005). The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). This note applies only to certain complex coal- and oil-derived substances in Part 3.

Carcinogenicity

The carcinogenic potential of gasoline has been investigated in rats and mice following inhalation exposure for 2 years. In rats, there was an increased incidence of kidney tumors in males and in mice there was an increased incidence of liver tumors in females; further work has shown that these tumors are sex and species specific and are not considered relevant to humans (Short BG et al., 1989). Results of 2 year skin painting studies with gasoline or low boiling point naphthas have shown either no, or weak potential (low incidence and long latent period) for the development of skin tumors. Additional work has shown that where tumors arise they are most likely a result of a non-genotoxic response due to dermal irritation (API, 1983).

Chemical name	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3	-	Group 3	-	-
Tetraethyl Lead 78-00-2	-	Group 3	Reasonably Anticipated	Х
Xylene 1330-20-7	-	Group 3	-	-
Ethylbenzene 100-41-4	A3	Group 2B	-	Х
Benzene 71-43-2	A1	Group 1	Known	Х

Reproductive toxicity

Results of guideline developmental toxicity studies on gasolines and OECD developmental toxicity screening studies with low boiling point naphtha streams showed no evidence of developmental toxicity in rats (Roberts L et al, 2001). Similarly, studies in rats with gasoline did not show any effect on reproductive performance (McKee RH et al, 2000). Gasoline and low boiling point naphthas can contain amounts of toluene and/or n-hexane, constituents that are classified as reprotoxicants.

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STOT - single exposure

Acute exposure studies show no evidence of systemic toxicity, other than a potential to cause narcosis/CNS depression at higher exposure concentrations (Drinker P et al, 1943; Davis A et al 1960).

STOT - repeated exposure

The repeat dose toxicity of gasoline and low boiling point naphthas has been studied in rats following dermal and inhalation exposure for periods between 10 days and up to 2 years. The effects of repeated inhalation exposure of primates to gasoline have also been studied. In dermal studies, no systemic toxicity has been seen; the only effect observed was moderate to severe dermal irritation. Repeated inhalation exposure causes light hydrocarbon nephropathy in male rats, an effect which is considered to be both sex and species specific. (Halder CA et al, 1985; API, 2005; ARCO, 1986-C).

Aspiration hazard

Gasoline and low boiling point naphthas are low viscosity, mobile hydrocarbon liquids with a viscosity at 40°C of < 7 mm2/s.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not determined.

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
Naphtha (petroleum),	30000: 72 h	-	-	2: 48 h Mysidopsis bahia
light alkylate	Pseudokirchneriella			mg/L LC50
64741-66-8	subcapitata mg/L EC50			
Toluene	433: 96 h	15.22 - 19.05: 96 h	EC50 = 19.7 mg/L 30 min	5.46 - 9.83: 48 h Daphnia
108-88-3	Pseudokirchneriella	Pimephales promelas		magna mg/L EC50 Static
	subcapitata mg/L EC50	mg/L LC50 flow-through		11.5: 48 h Daphnia
	12.5: 72 h	5.8: 96 h Oncorhynchus		magna mg/L EC50
	Pseudokirchneriella	mykiss mg/L LC50		
	subcapitata mg/L EC50	semi-static 54: 96 h		
	static	Oryzias latipes mg/L		
		LC50 static 14.1 - 17.16:		
		96 h Oncorhynchus		
		mykiss mg/L LC50 static		
		11.0 - 15.0: 96 h Lepomis		
		macrochirus mg/L LC50		
		static 50.87 - 70.34: 96 h		
		Poecilia reticulata mg/L		
		LC50 static 28.2: 96 h		
		Poecilia reticulata mg/L		
		LC50 semi-static 12.6: 96		
		h Pimephales promelas		
		mg/L LC50 static 5.89 -		
		7.81: 96 h Oncorhynchus mykiss mg/L LC50		
		flow-through		
Total other dillocal	0.1.40 b Dunglielle			0.005 : 40 h Amtorois
Tetraethyl Lead	0.1: 48 h Dunaliella	84: 96 h Lepomis	-	0.085: 48 h Artemia
78-00-2	tertiolecta mg/L EC50	macrochirus mg/L LC50		salina mg/L EC50
		19.3: 96 h Pimephales		
Videns		promelas mg/L LC50	CCC 0.0004 // 0.4 b	0.0: 40 h Camara siii i
Xylene 1330-20-7	-	13.4: 96 h Pimephales promelas mg/L LC50	EC50 = 0.0084 mg/L 24 h	
1330-20-7		flow-through 30.26 -		lacustris mg/L LC50 3.82: 48 h water flea mg/L
		40.75: 96 h Poecilia		EC50
		reticulata mg/L LC50		EC30
		static 13.1 - 16.5: 96 h		
		Lepomis macrochirus		
		mg/L LC50 flow-through		
		7.711 - 9.591: 96 h		
		Lepomis macrochirus		
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		mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.5 -		
		17.3: 96 h Oncorhynchus mykiss mg/L LC50 19: 96 h Lepomis macrochirus		
		mg/L LC50		
Ethylbenzene 100-41-4	4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 438: 96 h Pseudokirchneriella subcapitata mg/L EC50		EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	magna mg/L EĊ50
Benzene 71-43-2	29: 72 h Pseudokirchneriella subcapitata mg/L EC50	10.7 - 14.7: 96 h Pimephales promelas mg/L LC50 flow-through 5.3: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 28.6: 96 h Poecilia reticulata mg/L LC50 static 22.49: 96 h Lepomis macrochirus mg/L LC50 static 22330 - 41160: 96 h Pimephales promelas µg/L LC50 static 70000 - 142000: 96 h Lepomis macrochirus µg/L LC50 static	-	8.76 - 15.6: 48 h Daphnia magna mg/L EC50 Static 10: 48 h Daphnia magna mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical name	Partition coefficient
Toluene 108-88-3	2.7
N-Butane 106-97-8	2.89
Tetraethyl Lead 78-00-2	4.32
Xylene 1330-20-7	2.77 - 3.15
Ethylbenzene 100-41-4	3.2
Benzene 71-43-2	2.1

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Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

Contaminated packaging Do not reuse empty containers.

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Toluene 108-88-3	U220	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151	-	U220
Tetraethyl Lead 78-00-2	P110	-	-	-
Xylene 1330-20-7	-	Included in waste stream: F039	-	U239
Ethylbenzene 100-41-4	-	Included in waste stream: F039	-	-
Benzene 71-43-2	U019	Included in waste streams: F005, F024, F025, F037, F038, F039, K085, K104, K105, K141, K142, K143, K144, K145, K147, K151, K159, K169, K171, K172		U019

Chemical name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Toluene 108-88-3	-	-	Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	-
Tetraethyl Lead 78-00-2	-	P110	-	-

Chemical name	California Hazardous Waste Status
Toluene	Toxic
108-88-3	Ignitable

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Tetraethyl Lead 78-00-2	Toxic
Xylene	Toxic
1330-20-7	Ignitable
Ethylbenzene	Toxic
100-41-4	Ignitable
Benzene	Toxic
71-43-2	Ignitable

14. TRANSPORT INFORMATION

DOT Regulated
UN/ID no. 1203
Proper shipping name Gasoline
Hazard Class 3

Hazard Class 3
Packing Group

Reportable Quantity (RQ)

Toluene RQ: 1000 lbs (454 kg); Benzene RQ: 10 lbs (4.54 kg); Xylene RQ: 100 lbs (45.4

kg);Tetraethyl Lead RQ: 10 lbs (4.54 kg); Ethylbenzene RQ: 1000 lbs (454 kg)

Special Provisions 144, 177, B1, B33, IB2, T4

TDG Regulated
UN/ID no. 1203
Proper shipping name Gasoline
Hazard Class 3
Packing Group II

IATARegulatedUN/ID no.1203Proper shipping nameGasolineHazard Class3Packing GroupIIERG Code3HSpecial ProvisionsA100

IMDGRegulatedUN/ID no.1203Proper shipping nameGasolineHazard Class3Packing GroupIIEmS-No.F-E, S-ESpecial Provisions243, 363

Regulated
UN/ID no. 1203
Hazard Class 3
Packing Group II

ADR Regulated
UN/ID no. 1203
Hazard Class 3
Packing Group II

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL/NDSL Complies
EINECS/ELINCS Complies

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ENCS Does not comply

IECSCCompliesKECLCompliesPICCSCompliesAICSComplies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard Yes
Chronic Health Hazard Yes
Fire hazard Yes
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene 108-88-3	1000 lb	X	Х	Х
Tetraethyl Lead 78-00-2	10 lb	X	-	Х
Xylene 1330-20-7	100 lb	-	-	Х
Ethylbenzene 100-41-4	1000 lb	Х	Х	Х
Benzene 71-43-2	10 lb	Х	Х	Х

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Toluene	1000 lb 1 lb	-	RQ 1000 lb final RQ
108-88-3			RQ 454 kg final RQ RQ 1 lb
			final RQ
			RQ 0.454 kg final RQ
Tetraethyl Lead	10 lb	10 lb	RQ 10 lb final RQ
78-00-2			RQ 4.54 kg final RQ
Xylene	100 lb	-	RQ 100 lb final RQ
1330-20-7			RQ 45.4 kg final RQ

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Ethylbenzene 100-41-4	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ
Benzene 71-43-2	10 lb	-	RQ 10 lb final RQ RQ 4.54 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65	
Toluene - 108-88-3	Developmental	
Tetraethyl Lead - 78-00-2	Carcinogen	
Ethylbenzene - 100-41-4	Carcinogen	
Benzene - 71-43-2	Carcinogen Developmental	
	Male Reproductive	

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Toluene 108-88-3	X	X	Х
N-Butane 106-97-8	X	X	Х
Tetraethyl Lead 78-00-2	Х	X	Х
Xylene 1330-20-7	Х	X	Х
Ethylbenzene 100-41-4	Х	X	Х
Benzene 71-43-2	X	Х	Х

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA Health hazards 1 Flammability 3 Instability 0 Physical and chemical properties -

Health hazards 2* Flammability 3 Physical hazards 0 Personal protection X

Revision Date 03-Jan-2017

Revision NoteNo information available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Reference Sources for Section 11

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End of Safety Data Sheet

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