Safety Data Sheet
acc. to OSHA HCS

Printing date 07/23/2024 Reviewed on 07/23/2024

1 Identification

· **Product identifier**

· **Trade name: Unleaded Gasoline**

· **Article number:** U3900

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Aqua Solutions, Inc.
6913 Highway 225
DEER PARK, TX 77536
USA
800-256-2586

· **Information department:**
Technical Coordinator
Sherman Nelson shermann@aquasolutions.org
· **Emergency telephone number:**
Chemtrec: 800-424-9300
Canutec: 613-996-6666

2 Hazard(s) identification

· **Classification of the substance or mixture**

GHS02 Flame

Flammable Liquids 2	H225	Highly flammable liquid and vapor.

GHS06 Skull and crossbones

Acute Toxicity - Dermal 3	H311	Toxic in contact with skin.

GHS08 Health hazard

Germ Cell Mutagenicity 1B	H340	May cause genetic defects.
Carcinogenicity 1A	H350	May cause cancer.
Toxic to Reproduction 2	H361	Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity - Repeated Exposure 1	H372-H373	Causes damage to the central nervous system and the hematopoietic system through prolonged or repeated exposure. May cause damage to the hearing organs through prolonged or repeated exposure.
Aspiration Hazard 1	H304	May be fatal if swallowed and enters airways.

GHS07

Skin Irritation 2	H315	Causes skin irritation.
Eye Irritation 2A	H319	Causes serious eye irritation.

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Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

· **Label elements**
· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**

GHS02 GHS06 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
Gasoline
Xylene (Xylol)
Toluene
Benzene
3-Methylpentane
Cumene
octane
Ethylbenzene, Anhydrous, 99.8%
· **Hazard statements**
Highly flammable liquid and vapor.
Toxic in contact with skin.
Causes skin irritation.
Causes serious eye irritation.
May cause genetic defects.
May cause cancer.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.
Causes damage to the central nervous system and the hematopoietic system through prolonged or repeated exposure. May cause damage to the hearing organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.
· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Immediately call a poison center/doctor.
Specific treatment (see on this label).
Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.

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Call a poison center/doctor if you feel unwell.
Get medical advice/attention if you feel unwell.
Take off immediately all contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use CO2, powder or water spray to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**
· **NFPA ratings (scale 0 - 4)**

Health = 2
Fire = 4
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

*Health = *2*
Fire = 4
Reactivity = 0

· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** *Not applicable.*
· **vPvB:** *Not applicable.*

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:** *Mixture of the substances listed below with nonhazardous additions.*

· **Dangerous components:**

CAS: 86290-81-5	Gasoline	80-100%
CAS: 108-88-3	Toluene	0-30%
CAS: 96-14-0	3-Methylpentane	5-25%
CAS: 1330-20-7	Xylene (Xylol)	0-25%
CAS: 111-65-9	octane	0-18.5%
CAS: 64-17-5	Ethyl Alcohol, Absolute 200 Proof	0-10%
CAS: 95-63-6	1,2,4-Trimethylbenzene	0-6%
CAS: 109-66-0	Pentane	1-5%
CAS: 142-82-5	n-Heptane	1-5%
CAS: 98-82-8	Cumene	0-5%
CAS: 100-41-4	Ethylbenzene, Anhydrous, 99.8%	0-5%
CAS: 71-43-2	Benzene	0-4.9%
CAS: 110-54-3	n-hexane	0-3%
CAS: 110-82-7	Cyclohexane	0-3%

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4 First-aid measures

· **Description of first aid measures**
· **General information:**
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
In case of irregular breathing or respiratory arrest provide artificial respiration.
· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:** If symptoms persist consult doctor.
· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
· **Advice for firefighters**
· **Protective equipment:** Mouth respiratory protective device.

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6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
· **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
· **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
· **Protective Action Criteria for Chemicals**

· **PAC-1:**		
CAS: 86290-81-5	Gasoline	200 ppm
CAS: 108-88-3	Toluene	67 ppm

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CAS: 96-14-0	3-Methylpentane	1,000 ppm
CAS: 1330-20-7	Xylene (Xylol)	130 ppm
CAS: 111-65-9	octane	230 ppm
CAS: 64-17-5	Ethyl Alcohol, Absolute 200 Proof	1,800 ppm
CAS: 95-63-6	1,2,4-Trimethylbenzene	140 ppm
CAS: 109-66-0	Pentane	3000* ppm
CAS: 142-82-5	n-Heptane	500 ppm
CAS: 98-82-8	Cumene	50 ppm
CAS: 100-41-4	Ethylbenzene, Anhydrous, 99.8%	33 ppm
CAS: 71-43-2	Benzene	52 ppm
CAS: 110-82-7	Cyclohexane	300 ppm

· **PAC-2:**

CAS: 86290-81-5	Gasoline	1,000 ppm
CAS: 108-88-3	Toluene	560 ppm
CAS: 96-14-0	3-Methylpentane	11000** ppm
CAS: 1330-20-7	Xylene (Xylol)	920* ppm
CAS: 111-65-9	octane	385 ppm
CAS: 64-17-5	Ethyl Alcohol, Absolute 200 Proof	3300* ppm
CAS: 95-63-6	1,2,4-Trimethylbenzene	360 ppm
CAS: 109-66-0	Pentane	33000*** ppm
CAS: 142-82-5	n-Heptane	830 ppm
CAS: 98-82-8	Cumene	300 ppm
CAS: 100-41-4	Ethylbenzene, Anhydrous, 99.8%	1100* ppm
CAS: 71-43-2	Benzene	800 ppm
CAS: 110-82-7	Cyclohexane	1700* ppm

· **PAC-3:**

CAS: 86290-81-5	Gasoline	4000* ppm
CAS: 108-88-3	Toluene	3700* ppm
CAS: 96-14-0	3-Methylpentane	66000*** ppm
CAS: 1330-20-7	Xylene (Xylol)	2500* ppm
CAS: 111-65-9	octane	5000** ppm
CAS: 64-17-5	Ethyl Alcohol, Absolute 200 Proof	15000* ppm
CAS: 95-63-6	1,2,4-Trimethylbenzene	480 ppm
CAS: 109-66-0	Pentane	200000 ppm
CAS: 142-82-5	n-Heptane	5000* ppm
CAS: 98-82-8	Cumene	730 ppm
CAS: 100-41-4	Ethylbenzene, Anhydrous, 99.8%	1800* ppm
CAS: 71-43-2	Benzene	4000* ppm
CAS: 110-82-7	Cyclohexane	10000** ppm

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7 Handling and storage

· **Handling:**
· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
· **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** Store in a cool location.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
· **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see section 7.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**	
CAS: 86290-81-5 Gasoline	
REL	See Pocket Guide App. A
TLV	Short-term value: 500 ppm Long-term value: 300 ppm A3
CAS: 108-88-3 Toluene	
PEL	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm
TLV	Long-term value: 20 ppm BEI, OTO, A4
CAS: 96-14-0 3-Methylpentane	
REL	Long-term value: 350 mg/m³, 100 ppm Ceiling limit value: 1800* mg/m³, 510* ppm *15-min
TLV	Long-term value: 200 ppm A3
CAS: 1330-20-7 Xylene (Xylol)	
PEL	Long-term value: 435 mg/m³, 100 ppm

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REL	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Long-term value: 20 ppm BEI, A4
CAS: 111-65-9 octane	
PEL	Long-term value: 2350 mg/m³, 500 ppm n-Octane only
REL	Long-term value: 350 mg/m³, 75 ppm Ceiling limit value: 1800* mg/m³, 385* ppm *15 min
TLV	Long-term value: 300 ppm
CAS: 64-17-5 Ethyl Alcohol, Absolute 200 Proof	
PEL	Long-term value: 1900 mg/m³, 1000 ppm
REL	Long-term value: 1900 mg/m³, 1000 ppm
TLV	Short-term value: 1000 ppm A3
CAS: 95-63-6 1,2,4-Trimethylbenzene	
REL	Long-term value: 125 mg/m³, 25 ppm
TLV	Long-term value: 10 ppm A4
CAS: 109-66-0 Pentane	
PEL	Long-term value: 2950 mg/m³, 1000 ppm
REL	Long-term value: 350 mg/m³, 120 ppm Ceiling limit value: 1800* mg/m³, 610* ppm *15-min
TLV	Long-term value: 1000 ppm
CAS: 142-82-5 n-Heptane	
PEL	Long-term value: 2000 mg/m³, 500 ppm
REL	Long-term value: 350 mg/m³, 85 ppm Ceiling limit value: 1800* mg/m³, 440* ppm *15-min
TLV	Short-term value: 500 ppm Long-term value: 400 ppm
CAS: 98-82-8 Cumene	
PEL	Long-term value: 245 mg/m³, 50 ppm Skin
REL	Long-term value: 245 mg/m³, 50 ppm Skin
TLV	Long-term value: 5 ppm A3
CAS: 100-41-4 Ethylbenzene, Anhydrous, 99.8%	
PEL	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Long-term value: 20 ppm OTO, BEI, A3

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CAS: 71-43-2 Benzene	
PEL	Short-term value: 15* mg/m³, 5* ppm Long-term value: 3* mg/m³, 1* ppm *table Z-2 for exclusions in 29CFR1910.1028(d)
REL	Short-term value: 1 ppm Long-term value: 0.1 ppm See Pocket Guide App. A
TLV	Long-term value: 0.02 ppm Skin; BEI, A1
CAS: 110-54-3 n-hexane	
PEL	Long-term value: 1800 mg/m³, 500 ppm
REL	Long-term value: 180 mg/m³, 50 ppm
TLV	Long-term value: 50 ppm Skin; BEI
CAS: 110-82-7 Cyclohexane	
PEL	Long-term value: 1050 mg/m³, 300 ppm
REL	Long-term value: 1050 mg/m³, 300 ppm
TLV	Long-term value: 100 ppm BEI

· **Ingredients with biological limit values:**

CAS: 108-88-3 Toluene	
BEI	0.02 mg/L LD50 Intraperitoneal: blood Time: prior to last shift of workweek LD50: Toluene 0.03 mg/L LD50 Intraperitoneal: urine Time: end of shift LD50: Toluene 0.3 mg/g creatinine LD50 Intraperitoneal: urine Time: end of shift LD50: o-Cresol with hydrolysis (background)
CAS: 1330-20-7 Xylene (Xylol)	
BEI	1.5 g/g creatinine LD50 Intraperitoneal: urine Time: end of shift LD50: Methylhippuric acids
CAS: 100-41-4 Ethylbenzene, Anhydrous, 99.8%	
BEI	0.15 g/g creatinine LD50 Intraperitoneal: urine Time: end of shift at end of workweek LD50: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)

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CAS: 71-43-2 Benzene	
BEI	25 µg/g creatinine LD50 Intraperitoneal: urine Time: end of shift Parameter LD50: S-Phenylmercapturic acid (background 500 µg/g creatinine LD50 Intraperitoneal: urine Time: end of shift LD50: t,t-Muconic acid (background)
CAS: 110-54-3 n-hexane	
BEI	0.5 mg/L LD50 Intraperitoneal: urine Time: end of shift LD50: 2.5-Hexanedione without hydrolysis
CAS: 110-82-7 Cyclohexane	
BEI	NIC-50 mg/g creatinine LD50 Intraperitoneal: - Time: end of shift at end of workweek LD50: NIC-1.2-Cyclohexanediol (nonspecific)

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
· **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**

Tightly sealed goggles

· **Body protection:** *Protective work clothing*

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9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	*Liquid*
Color:	*Clear*
· **Odor:**	*Gasoline*
· **Odor threshold:**	*Not determined.*
· **pH-value:**	*Not determined.*
· **Change in condition**	
Melting point/Melting range:	*Undetermined.*
Boiling point/Boiling range:	*36 °C (96.8 °F)*
· **Flash point:**	*-35 °C (-31 °F)*
· **Flammability (solid, gaseous):**	*Highly flammable.*
· **Auto igniting:**	*210 °C (410 °F)*
· **Decomposition temperature:**	*Not determined.*
· **Ignition temperature:**	*Product is not selfigniting.*
· **Danger of explosion:**	*Product is not explosive. However, formation of explosive air/vapor mixtures are possible.*
· **Explosion limits:**	
Lower:	*0.8 Vol %*
Upper:	*19 Vol %*
· **Vapor pressure at 20 °C (68 °F):**	*59 hPa (44.3 mm Hg)*
· **Vapor pressure at 50 °C (122 °F):**	*280 hPa (210 mm Hg)*
· **Density:**	*Not determined.*
· **Relative density**	*Not determined.*
· **Vapor density**	*Not determined.*
· **Evaporation rate**	*Not determined.*
· **Solubility in / Miscibility with**	
Water:	*Not miscible or difficult to mix.*
· **Partition coefficient (n-octanol/water):**	*Not determined.*
· **Viscosity:**	
Dynamic:	*Not determined.*
Kinematic:	*Not determined.*

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· **Solvent content:**	
Organic solvents:	2-117.4 %
VOC content:	2-100 % 1,174.0 g/l / 9.80 lb/gal
Solids content:	0-10 %
· **Other information**	No further relevant information available.

10 Stability and reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**		
ATE (Acute Toxicity Estimate)		
Dermal	LD50	≥801 mg/kg
Inhalative	LC50/4h	≥28.2 mg/l

· **Primary irritant effect:**
· **on the skin:** Irritant to skin and mucous membranes.
· **on the eye:** Irritating effect.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Toxic
Irritant
The product can cause inheritable damage.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**		
CAS: 86290-81-5	Gasoline	2B
CAS: 108-88-3	Toluene	3
CAS: 1330-20-7	Xylene (Xylol)	3
CAS: 64-17-5	Ethyl Alcohol, Absolute 200 Proof	1
CAS: 98-82-8	Cumene	2B
CAS: 100-41-4	Ethylbenzene, Anhydrous, 99.8%	2B
CAS: 71-43-2	Benzene	1

· **NTP (National Toxicology Program)**		
CAS: 98-82-8	Cumene	R

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CAS: 71-43-2	Benzene	K

· **OSHA-Ca (Occupational Safety & Health Administration)**

CAS: 71-43-2	Benzene

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Behavior in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**
· **DOT, IMDG, IATA** UN1203

· **UN proper shipping name**
· **DOT** Gasoline
· **IMDG** MOTOR SPIRIT, MARINE POLLUTANT
· **IATA** MOTOR SPIRIT

· **Transport hazard class(es)**

· **DOT**

· **Class** 3 Flammable liquids

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· **Label**	3, 6.1
· **IMDG**	
	
· **Class**	3 Flammable liquids
· **Label**	3/6.1
· **IATA**	
	
· **Class**	3 Flammable liquids
· **Label**	3 (6.1)
· **Packing group**	
· **DOT, IMDG, IATA**	II
· **Environmental hazards:**	Product contains environmentally hazardous substances: octane
· **Marine pollutant:**	Symbol (fish and tree)
· **Special precautions for user**	Warning: Flammable liquids
· **Hazard identification number (Kemler code):**	336
· **EMS Number:**	F-E,S-D
· **Stowage Category**	B
· **Stowage Code**	SW2 Clear of living quarters.
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **Transport/Additional information:**	
· **DOT**	
· **Quantity limitations**	On passenger aircraft/rail: 1 L On cargo aircraft only: 60 L
· **IMDG**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· **UN "Model Regulation":**	UN 1203 MOTOR SPIRIT, 3 (6.1), II

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Sara**

· **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**	
CAS: 108-88-3	Toluene

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CAS: 1330-20-7	Xylene (Xylol)
CAS: 95-63-6	1,2,4-Trimethylbenzene
CAS: 98-82-8	Cumene
CAS: 100-41-4	Ethylbenzene, Anhydrous, 99.8%
CAS: 71-43-2	Benzene
CAS: 110-82-7	Cyclohexane

· **TSCA (Toxic Substances Control Act):**

Toluene	ACTIVE
3-Methylpentane	ACTIVE
Xylene (Xylol)	ACTIVE
octane	ACTIVE
Ethyl Alcohol, Absolute 200 Proof	ACTIVE
1,2,4-Trimethylbenzene	ACTIVE
Pentane	ACTIVE
n-Heptane	ACTIVE
Cumene	ACTIVE
Ethylbenzene, Anhydrous, 99.8%	ACTIVE
Benzene	ACTIVE
Cyclohexane	ACTIVE

· **Hazardous Air Pollutants**

CAS: 108-88-3	Toluene
CAS: 1330-20-7	Xylene (Xylol)
CAS: 98-82-8	Cumene
CAS: 100-41-4	Ethylbenzene, Anhydrous, 99.8%
CAS: 71-43-2	Benzene

· **Proposition 65**

· **Chemicals known to cause cancer:**

CAS: 98-82-8	Cumene
CAS: 100-41-4	Ethylbenzene, Anhydrous, 99.8%
CAS: 71-43-2	Benzene

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

CAS: 71-43-2	Benzene

· **Chemicals known to cause developmental toxicity:**

CAS: 108-88-3	Toluene
CAS: 64-17-5	Ethyl Alcohol, Absolute 200 Proof
CAS: 71-43-2	Benzene

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

CAS: 108-88-3	Toluene	II
CAS: 1330-20-7	Xylene (Xylol)	I

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CAS: 95-63-6	1,2,4-Trimethylbenzene	II
CAS: 142-82-5	n-Heptane	D
CAS: 98-82-8	Cumene	D, CBD
CAS: 100-41-4	Ethylbenzene, Anhydrous, 99.8%	D
CAS: 71-43-2	Benzene	A, K/L
CAS: 110-54-3	n-hexane	II
CAS: 110-82-7	Cyclohexane	I

· **TLV (Threshold Limit Value)**

CAS: 86290-81-5	Gasoline	A3
CAS: 108-88-3	Toluene	A4
CAS: 1330-20-7	Xylene (Xylol)	A4
CAS: 64-17-5	Ethyl Alcohol, Absolute 200 Proof	A3
CAS: 100-41-4	Ethylbenzene, Anhydrous, 99.8%	A3
CAS: 71-43-2	Benzene	A1

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

CAS: 86290-81-5	Gasoline
CAS: 71-43-2	Benzene

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**

GHS02 GHS06 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
Gasoline
Xylene (Xylol)
Toluene
Benzene
3-Methylpentane
Cumene
octane
Ethylbenzene, Anhydrous, 99.8%
· **Hazard statements**
Highly flammable liquid and vapor.
Toxic in contact with skin.
Causes skin irritation.
Causes serious eye irritation.
May cause genetic defects.
May cause cancer.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.
Causes damage to the central nervous system and the hematopoietic system through prolonged or repeated exposure. May cause damage to the hearing organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.
· **Precautionary statements**
Obtain special instructions before use.

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Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Immediately call a poison center/doctor.
Specific treatment (see on this label).
Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Get medical advice/attention if you feel unwell.
Take off immediately all contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use CO2, powder or water spray to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

· **Information about limitation of use:**
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.
· **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

*
16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** *Environment protection department.*
· **Contact:**
Date of Preparation / Last Revision:
· **Date of preparation / last revision**
Revision 1.2, 07-23-2024: Reviewed SDS for accuracy. STN/GW
07/23/2024 / 1.1
· **Abbreviations and acronyms:**
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)

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Trade name: Unleaded Gasoline

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VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flammable Liquids 2: Flammable liquids – Category 2
Acute Toxicity - Dermal 3: Acute toxicity – Category 3
Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B
Carcinogenicity 1A: Carcinogenicity – Category 1A
Toxic to Reproduction 2: Reproductive toxicity – Category 2
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3
Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1
Aspiration Hazard 1: Aspiration hazard – Category 1

· **** Data compared to the previous version altered.***