Safety Data Sheet

acc. to Hazardous Products Regulations (HPR)

STP Ultra 5 in 1 Diesel Fuel System Cleaner-bottle

Version number: 7.2
Replaces version of: 2022-07-13 (6)

Revision: 2023-09-11

1 Identification

1.1 Product identifier

Trade name	**STP Ultra 5 in 1 Diesel Fuel System Cleaner-bottle**
CAS number	64742-47-8
Alternative number(s)	067788179885, 067788179878

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	General use

1.3 Details of the supplier of the safety data sheet

Energizer Manufacturing, Inc.
25225 Detroit Rd.
Westlake OH 44145
United States

Telephone: 800-383-7323; 314-985-2000 (USA / CANADA)
e-mail: Autocare.regulatory@energizer.com
Website: http://data.energizer.com

Energizer Trading Ltd.
Sword House, Totteridge Road, High Wycombe, HP13 6DG, UK

Telephone: +44(0)8000353376
e-mail: ConsumerServiceEU@energizer.com

1.4 Emergency telephone number

Emergency information service	FOR EMERGENCY in USA & Canada CALL +1 800 255-3924 / For International CALL +1 813 248 0585 This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM

2 Hazard identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.6	flammable liquid	3	Flam. Liq. 3	H226
3.1I	acute toxicity (inhal.)	3	Acute Tox. 3	H331
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315

Section	Hazard class	Category	Hazard class and category	Hazard statement
3.6	carcinogenicity	2	Carc. 2	H351
3.7	reproductive toxicity	2	Repr. 2	H361d
3.8	specific target organ toxicity - single exposure	2	STOT SE 2	H371
3.8D	specific target organ toxicity - single exposure (narcotic effects, drowsiness)	3	STOT SE 3	H336
3.9	specific target organ toxicity - repeated exposure	2	STOT RE 2	H373
3.10	aspiration hazard	1	Asp. Tox. 1	H304

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure. The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

Labeling

- Signal word danger

- Pictograms

GHS02, GHS06, GHS07, GHS08

- Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.
H371	May cause damage to organs (respiratory system, blood).
H373	May cause damage to organs (blood, nervous system, eye) through prolonged or repeated exposure.

- Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.

- Precautionary statements

P243	Take action to prevent static discharges.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor.
P311	Call a POISON CENTER/doctor.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazardous ingredients for labelling: Naphthalene, Kerosine (petroleum), hydrodesulfurized, Heavy aromatic naphtha, toluene

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0.1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0.1%.

3 Composition/ Information on ingredients

3.1 Substances

Not relevant (mixture)

Identifiers

CAS No: 64742-47-8

3.2 Mixtures

STP Ultra 5 in 1 Diesel Fuel System Cleaner-bottle

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Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Kerosine (petroleum), hydrodesulfurized	CAS No 64742-81-0	30 – < 60	Flam. Liq. 3 / H226 Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304	
Solvent naphtha (petroleum), light arom.	CAS No 64742-95-6	10 – < 30	Flam. Liq. 1 / H224 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304	
2-Ethylhexyl nitrate	CAS No 27247-96-7	10 – < 30	Flam. Liq. 4 / H227	
1,2,4 trimethlybenzene	CAS No 95-63-6	5 – < 10	Flam. Liq. 3 / H226 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335 Asp. Tox. 1 / H304	
Heavy aromatic naphtha	CAS No Proprietary	1 – < 5	Flam. Liq. 3 / H226 STOT SE 3 / H335 STOT SE 3 / H336 STOT RE 2 / H373 Asp. Tox. 1 / H304	
Naphthalene	CAS No 91-20-3	1 – < 5	Acute Tox. 4 / H302 Acute Tox. 1 / H330 Carc. 2 / H351 STOT SE 2 / H371 STOT RE 2 / H373	
Propylbenzene	CAS No 103-65-1 RTECS No DA8750000	1 – < 5	Flam. Liq. 3 / H226 STOT SE 3 / H335 Asp. Tox. 1 / H304	
1,3,5-trimethylbenzene	CAS No 108-67-8	1 – < 5	Flam. Liq. 3 / H226 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335 Asp. Tox. 1 / H304	
Methylbenzene derivatives	CAS No trade secret 1330-20-7	1 – < 5	Flam. Liq. 3 / H226 Acute Tox. 4 / H312 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Asp. Tox. 1 / H304	
Cumene	CAS No 98-82-8	1 – < 5	Flam. Liq. 3 / H226 STOT SE 3 / H335 Asp. Tox. 1 / H304	

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
1,2,3-Trimethylbenzene	CAS No 526-73-8	1 – < 5	Flam. Liq. 3 / H226 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335	
2-ethylhexan-1-ol	CAS No 104-76-7	0.1 – < 1	Flam. Liq. 4 / H227 Acute Tox. 2 / H330 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335	
Jet A-1	CAS No 8008-20-6	0.1 – < 1	Flam. Liq. 3 / H226 Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304	
toluene	CAS No 108-88-3	0.1 – < 1	Flam. Liq. 2 / H225 Acute Tox. 1 / H330 Skin Irrit. 2 / H315 Repr. 2 / H361d STOT SE 3 / H336 STOT RE 2 / H373 Asp. Tox. 1 / H304	

For full text of abbreviations: see SECTION 16.

4 First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Narcotic effects.

4.3 Indication of any immediate medical attention and special treatment needed

none

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

7 Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

STP Ultra 5 in 1 Diesel Fuel System Cleaner-bottle

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8 Exposure controls/ Personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
CA	1,3,5-trimethylbenzene	108-67-8	OEL (BC)	25							"BC Regulation"
CA	toluene	108-88-3	OEL (BC)	20							"BC Regulation"
CA	toluene	108-88-3	OEL (ONMoL)	20							MoL
CA	toluene	108-88-3	PEV/VEA	20							Regulation OHS
CA	toluene (toluol)	108-88-3	OEL (AB)	50	188					H	OHS Code
CA	xylene	1330-20-7	OEL (AB)	100	434	150	651				OHS Code
CA	xylene	1330-20-7	OEL (BC)	100		150					"BC Regulation"
CA	xylene	1330-20-7	OEL (ONMoL)	100		150					MoL
CA	xylene	1330-20-7	PEV/VEA	100	434	150	651				Regulation OHS
CA	1,2,3-trimethylbenzene	526-73-8	OEL (BC)	25							"BC Regulation"
CA	Kerosene/Jet fuels	64742-81-0	OEL (AB)		200					HyCarb, vap, H	OHS Code
CA	Kerosene/Jet fuels	64742-81-0	OEL (BC)		200					HyCarb, vap, H	"BC Regulation"

STP Ultra 5 in 1 Diesel Fuel System Cleaner-bottle

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
CA	Kerosene / Jet fuels	64742-81-0	OEL (ON-MoL)		200					Hy-Carb, vap, H	MoL
CA	Kerosine (petroleum), hydrodesulfurized	64742-81-0	PEV/VEA		200					H	Regulation OHS
CA	Kerosene/Jet fuels	8008-20-6	OEL (AB)		200					Hy-Carb, vap, H	OHS Code
CA	Kerosene/Jet fuels	8008-20-6	OEL (BC)		200					Hy-Carb, vap, H	"BC Regulation"
CA	Kerosene / Jet fuels	8008-20-6	OEL (ON-MoL)		200					Hy-Carb, vap, H	MoL
CA	Kerosine (petroleum)	8008-20-6	PEV/VEA		200					H	Regulation OHS
CA	naphthalene	91-20-3	OEL (AB)	10	52	15	79			H	OHS Code
CA	naphthalene	91-20-3	OEL (BC)	10						H	"BC Regulation"
CA	naphthalene	91-20-3	OEL (ON-MoL)	10						H	MoL
CA	naphthalene	91-20-3	PEV/VEA	10						H	Regulation OHS
CA	1,2,4-trimethylbenzene	95-63-6	OEL (BC)	25							"BC Regulation"
CA	cumene	98-82-8	OEL (AB)	50	246						OHS Code

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
CA	cumene	98-82-8	OEL (BC)	25		75					"BC Regulation"
CA	cumene	98-82-8	OEL (ONMoL)	50							MoL
CA	cumene	98-82-8	PEV/VEA	50	246						Regulation OHS

Notation

Ceiling-C	ceiling value is a limit value above which exposure should not occur
H	absorbed through the skin
HyCarb	calculated as hydrocarbons
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified
vap	as vapors

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
2-Ethylhexyl nitrate	27247-96-7	DNEL	0.35 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
2-Ethylhexyl nitrate	27247-96-7	DNEL	1 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-Ethylhexyl nitrate	27247-96-7	DNEL	44 µg/cm²	human, dermal	worker (industry)	chronic - local effects
1,2,4 trimethlybenzene	95-63-6	DNEL	100 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
1,2,4 trimethlybenzene	95-63-6	DNEL	100 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
1,2,4 trimethlybenzene	95-63-6	DNEL	100 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
1,2,4 trimethlybenzene	95-63-6	DNEL	100 mg/m³	human, inhalatory	worker (industry)	acute - local effects

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
1,2,4 trimethlybenzene	95-63-6	DNEL	16,171 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Naphthalene	91-20-3	DNEL	25 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Naphthalene	91-20-3	DNEL	25 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
Naphthalene	91-20-3	DNEL	3.57 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Methylbenzene derivatives	trade secret 1330-20-7	DNEL	221 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Methylbenzene derivatives	trade secret 1330-20-7	DNEL	442 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
Methylbenzene derivatives	trade secret 1330-20-7	DNEL	221 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
Methylbenzene derivatives	trade secret 1330-20-7	DNEL	442 mg/m³	human, inhalatory	worker (industry)	acute - local effects
Methylbenzene derivatives	trade secret 1330-20-7	DNEL	212 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Cumene	98-82-8	DNEL	100 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Cumene	98-82-8	DNEL	250 mg/m³	human, inhalatory	worker (industry)	acute - local effects
Cumene	98-82-8	DNEL	15.4 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-ethylhexan-1-ol	104-76-7	DNEL	12.8 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
2-ethylhexan-1-ol	104-76-7	DNEL	53.2 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
2-ethylhexan-1-ol	104-76-7	DNEL	53.2 mg/m³	human, inhalatory	worker (industry)	acute - local effects
2-ethylhexan-1-ol	104-76-7	DNEL	23 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
toluene	108-88-3	DNEL	192 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
toluene	108-88-3	DNEL	384 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
toluene	108-88-3	DNEL	192 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
toluene	108-88-3	DNEL	384 mg/m³	human, inhalatory	worker (industry)	acute - local effects
toluene	108-88-3	DNEL	384 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
2-Ethylhexyl nitrate	27247-96-7	PNEC	0.8 µg/l	aquatic organisms	freshwater	short-term (single instance)
2-Ethylhexyl nitrate	27247-96-7	PNEC	0.08 µg/l	aquatic organisms	marine water	short-term (single instance)
2-Ethylhexyl nitrate	27247-96-7	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-Ethylhexyl nitrate	27247-96-7	PNEC	0.74 µg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
2-Ethylhexyl nitrate	27247-96-7	PNEC	0.74 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
2-Ethylhexyl nitrate	27247-96-7	PNEC	0.191 µg/kg	terrestrial organisms	soil	short-term (single instance)
1,2,4 trimethlybenzene	95-63-6	PNEC	0.12 mg/l	aquatic organisms	freshwater	short-term (single instance)
1,2,4 trimethlybenzene	95-63-6	PNEC	0.12 mg/l	aquatic organisms	marine water	short-term (single instance)
1,2,4 trimethlybenzene	95-63-6	PNEC	2.41 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
1,2,4 trimethlybenzene	95-63-6	PNEC	13.56 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
1,2,4 trimethlybenzene	95-63-6	PNEC	13.56 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
1,2,4 trimethlybenzene	95-63-6	PNEC	2.34 mg/kg	terrestrial organisms	soil	short-term (single instance)
Methylbenzene derivatives	trade secret 1330-20-7	PNEC	0.327 mg/l	aquatic organisms	freshwater	short-term (single instance)

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Methylbenzene derivatives	trade secret 1330-20-7	PNEC	0.327 mg/l	aquatic organisms	marine water	short-term (single instance)
Methylbenzene derivatives	trade secret 1330-20-7	PNEC	6.58 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Methylbenzene derivatives	trade secret 1330-20-7	PNEC	12.46 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Methylbenzene derivatives	trade secret 1330-20-7	PNEC	12.46 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Methylbenzene derivatives	trade secret 1330-20-7	PNEC	2.31 mg/kg	terrestrial organisms	soil	short-term (single instance)
Cumene	98-82-8	PNEC	0.035 mg/l	aquatic organisms	freshwater	short-term (single instance)
Cumene	98-82-8	PNEC	0.004 mg/l	aquatic organisms	marine water	short-term (single instance)
Cumene	98-82-8	PNEC	200 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Cumene	98-82-8	PNEC	3.22 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Cumene	98-82-8	PNEC	0.322 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Cumene	98-82-8	PNEC	0.624 mg/kg	terrestrial organisms	soil	short-term (single instance)
2-ethylhexan-1-ol	104-76-7	PNEC	0.017 mg/l	aquatic organisms	freshwater	short-term (single instance)
2-ethylhexan-1-ol	104-76-7	PNEC	0.002 mg/l	aquatic organisms	marine water	short-term (single instance)
2-ethylhexan-1-ol	104-76-7	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-ethylhexan-1-ol	104-76-7	PNEC	0.284 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
2-ethylhexan-1-ol	104-76-7	PNEC	0.028 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
2-ethylhexan-1-ol	104-76-7	PNEC	0.047 mg/kg	terrestrial organisms	soil	short-term (single instance)
toluene	108-88-3	PNEC	0.68 mg/l	aquatic organisms	freshwater	short-term (single instance)

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
toluene	108-88-3	PNEC	0.68 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
toluene	108-88-3	PNEC	13.61 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
toluene	108-88-3	PNEC	16.39 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
toluene	108-88-3	PNEC	16.39 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
toluene	108-88-3	PNEC	2.89 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

STP Ultra 5 in 1 Diesel Fuel System Cleaner-bottle

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Color	not determined
Odor	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	≥-20 °C at 101.3 kPa
Flammability	flammable liquid in accordance with GHS criteria
Lower and upper explosion limit	0.8 vol% - 7.6 vol%
Flash point	38 °C
Auto-ignition temperature	215 °C (auto-ignition temperature (liquids and gases))
Decomposition temperature	not relevant
pH (value)	not determined
Kinematic viscosity	not determined
Solubility(ies)	not determined

Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available

Vapor pressure	≤240 kPa at 37.8 °C

Density and/or relative density

Density	not determined
Relative vapour density	information on this property is not available

Particle characteristics	not relevant (liquid)

9.2 Other information

Information with regard to physical hazard classes	there is no additional information

Other safety characteristics

Temperature class (USA, acc. to NEC 500)	T3 (maximum permissible surface temperature on the equipment: 200°C)

10 Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

11 Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to GHS

Acute toxicity

Toxic if inhaled.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

- Acute toxicity estimate (ATE)

Inhalation: gas 4,416 $^{ppmV}/_{4h}$
Inhalation: vapour 5.681 $^{mg}/_{l}/4h$

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
Kerosine (petroleum), hydrodesulfurized	64742-81-0	inhalation: vapour	>5.28 $^{mg}/_{l}/4h$
1,2,4 trimethlybenzene	95-63-6	inhalation: vapour	11 $^{mg}/_{l}/4h$
Naphthalene	91-20-3	oral	710 $^{mg}/_{kg}$
Naphthalene	91-20-3	inhalation: vapour	>0.4 $^{mg}/_{l}/4h$
Naphthalene	91-20-3	inhalation: dust/mist	0.005 $^{mg}/_{l}/4h$
1,3,5-trimethylbenzene	108-67-8	inhalation: vapour	>10.2 $^{mg}/_{l}/4h$
Methylbenzene derivatives	trade secret 1330-20-7	dermal	1,100 $^{mg}/_{kg}$
Methylbenzene derivatives	trade secret 1330-20-7	inhalation: vapour	11 $^{mg}/_{l}/4h$
2-ethylhexan-1-ol	104-76-7	inhalation: vapour	>0.89 $^{mg}/_{l}/4h$
Jet A-1	8008-20-6	inhalation: vapour	>5.28 $^{mg}/_{l}/4h$
toluene	108-88-3	inhalation: gas	7.6 $^{ppmV}/_{4h}$

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

May cause damage to organs (respiratory system, blood). May cause drowsiness or dizziness.

Hazard category	Target organ	Exposure route
2	respiratory system	if exposed
2	blood	if exposed

Specific target organ toxicity - repeated exposure

May cause damage to organs (blood, nervous system, eye) through prolonged or repeated exposure.

Hazard category	Target organ	Exposure route
2	blood	if exposed
2	nervous system	if exposed
2	eye	if exposed

Aspiration hazard

May be fatal if swallowed and enters airways.

12 Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Kerosine (petroleum), hydrodesulfurized	64742-81-0	LL50	5 $^{mg}/_{l}$	fish	96 h
Kerosine (petroleum), hydrodesulfurized	64742-81-0	EL50	1.4 $^{mg}/_{l}$	aquatic invertebrates	48 h

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Kerosine (petroleum), hydrodesulfurized	64742-81-0	LOEL	1 mg/l	algae	72 h
Solvent naphtha (petroleum), light arom.	64742-95-6	LL50	8.2 mg/l	fish	96 h
Solvent naphtha (petroleum), light arom.	64742-95-6	EL50	4.5 mg/l	aquatic invertebrates	48 h
2-Ethylhexyl nitrate	27247-96-7	LC50	2 mg/l	fish	96 h
2-Ethylhexyl nitrate	27247-96-7	EC50	>12.6 mg/l	aquatic invertebrates	48 h
2-Ethylhexyl nitrate	27247-96-7	ErC50	5.35 mg/l	algae	24 h
2-Ethylhexyl nitrate	27247-96-7	NOEC	1.52 mg/l	fish	96 h
1,2,4 trimethlybenzene	95-63-6	LC50	7.72 mg/l	fish	96 h
1,2,4 trimethlybenzene	95-63-6	EC50	2.356 mg/l	algae	96 h
Heavy aromatic naphtha	Proprietary	LC50	2 mg/l	rainbow trout (Oncorhynchus mykiss)	96 h
Heavy aromatic naphtha	Proprietary	LC50	3 mg/l	fathead minnow	72 h
Heavy aromatic naphtha	Proprietary	EC50	1.1 mg/l	water flea (Daphnia)	48 h
Heavy aromatic naphtha	Proprietary	EC50	1.1 mg/l	algae	96 h
Heavy aromatic naphtha	Proprietary	LL50	5 mg/l	fish	96 h
Heavy aromatic naphtha	Proprietary	EL50	1.4 mg/l	aquatic invertebrates	48 h
Heavy aromatic naphtha	Proprietary	LOEL	1 mg/l	algae	72 h
Naphthalene	91-20-3	LC50	1.6 mg/l	fish	96 h
Naphthalene	91-20-3	EC50	2.16 mg/l	aquatic invertebrates	48 h
Propylbenzene	103-65-1	LC50	1.55 mg/l	rainbow trout (Oncorhynchus mykiss)	96 h
Propylbenzene	103-65-1	EC50	2 mg/l	water flea (Daphnia)	24 h
1,3,5-trimethylbenzene	108-67-8	LC50	20.57 mg/l	fish	24 h

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
1,3,5-trimethylbenzene	108-67-8	EC50	50 $^{mg}/_{l}$	aquatic invertebrates	24 h
1,3,5-trimethylbenzene	108-67-8	ErC50	53 $^{mg}/_{l}$	algae	48 h
Methylbenzene derivatives	trade secret 1330-20-7	LC50	8.4 $^{mg}/_{l}$	fish	96 h
Methylbenzene derivatives	trade secret 1330-20-7	EC50	4.9 $^{mg}/_{l}$	algae	72 h
Methylbenzene derivatives	trade secret 1330-20-7	ErC50	4.7 $^{mg}/_{l}$	algae	72 h
Cumene	98-82-8	LC50	4.7 $^{mg}/_{l}$	fish	96 h
Cumene	98-82-8	EC50	2.14 $^{mg}/_{l}$	aquatic invertebrates	48 h
Cumene	98-82-8	ErC50	2.01 $^{mg}/_{l}$	algae	72 h
Cumene	98-82-8	NOEC	<2.9 $^{mg}/_{l}$	fish	96 h
2-ethylhexan-1-ol	104-76-7	LC50	17.1 $^{mg}/_{l}$	fish	96 h
2-ethylhexan-1-ol	104-76-7	EC50	39 $^{mg}/_{l}$	aquatic invertebrates	48 h
2-ethylhexan-1-ol	104-76-7	ErC50	16.6 $^{mg}/_{l}$	algae	72 h
2-ethylhexan-1-ol	104-76-7	NOEC	14 $^{mg}/_{l}$	fish	96 h
Jet A-1	8008-20-6	LL50	5 $^{mg}/_{l}$	fish	96 h
Jet A-1	8008-20-6	EL50	1.4 $^{mg}/_{l}$	aquatic invertebrates	48 h
Jet A-1	8008-20-6	LOEL	1 $^{mg}/_{l}$	algae	72 h
toluene	108-88-3	LC50	5.5 $^{mg}/_{l}$	fish	96 h
toluene	108-88-3	EC50	84 $^{mg}/_{l}$	microorganisms	24 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Kerosine (petroleum), hydrodesulfurized	64742-81-0	EL50	0.89 $^{mg}/_{l}$	aquatic invertebrates	21 d
Kerosine (petroleum), hydrodesulfurized	64742-81-0	LOEL	1.2 $^{mg}/_{l}$	aquatic invertebrates	21 d

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Solvent naphtha (petroleum), light arom.	64742-95-6	EL50	10 mg/l	fish	21 d
Solvent naphtha (petroleum), light arom.	64742-95-6	EC50	15.41 mg/l	microorganisms	40 h
2-Ethylhexyl nitrate	27247-96-7	EC50	>1,000 mg/l	microorganisms	3 h
Heavy aromatic naphtha	Proprietary	EL50	0.89 mg/l	aquatic invertebrates	21 d
Heavy aromatic naphtha	Proprietary	LOEL	1.2 mg/l	aquatic invertebrates	21 d
Naphthalene	91-20-3	EC50	2.96 mg/l	algae	4 h
Naphthalene	91-20-3	NOEC	0.37 mg/l	fish	40 d
Naphthalene	91-20-3	LOEC	0.38 mg/l	fish	40 d
1,3,5-trimethylbenzene	108-67-8	NOEC	0.4 mg/l	aquatic invertebrates	21 d
Methylbenzene derivatives	trade secret 1330-20-7	EL50	2.9 mg/l	aquatic invertebrates	21 d
Methylbenzene derivatives	trade secret 1330-20-7	ErC50	4.36 mg/l	algae	73 h
Methylbenzene derivatives	trade secret 1330-20-7	EC50	2.2 mg/l	algae	73 h
Methylbenzene derivatives	trade secret 1330-20-7	NOEC	>1.3 mg/l	fish	56 d
Methylbenzene derivatives	trade secret 1330-20-7	LOEC	3.16 mg/l	aquatic invertebrates	21 d
Cumene	98-82-8	EC50	1.5 mg/l	aquatic invertebrates	21 d
Cumene	98-82-8	LC50	>3 mg/l	aquatic invertebrates	21 d
Cumene	98-82-8	NOEC	0.38 mg/l	fish	28 d
Jet A-1	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Jet A-1	8008-20-6	LOEL	1.2 mg/l	aquatic invertebrates	21 d
toluene	108-88-3	LC50	3.78 mg/l	aquatic invertebrates	2 d
toluene	108-88-3	EC50	3.23 mg/l	aquatic invertebrates	7 d
toluene	108-88-3	LOEC	2.77 mg/l	fish	40 d

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
toluene	108-88-3	NOEC	1.39 $^{mg}/_{l}$	fish	40 d

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

The substance fulfills the very bioaccumulative criterion.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0.1%.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0.1%.

12.7 Other adverse effects

Data are not available.

13 Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

14 Transport information

14.1 UN number

UN RTDG	UN 1268
IMDG-Code	UN 1268
ICAO-TI	UN 1268

14.2 UN proper shipping name

UN RTDG	PETROLEUM DISTILLATES, N.O.S.
IMDG-Code	PETROLEUM DISTILLATES, N.O.S.
ICAO-TI	Petroleum distillates, n.o.s.

14.3 Transport hazard class(es)

UN RTDG	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

UN RTDG	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

hazardous to the aquatic environment

Environmentally hazardous substance (aquatic environment): Kerosine (petroleum), hydrodesulfurized

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport information - National regulations - Additional information (UN RTDG)

UN number	1268
Class	3
Environmental hazards	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	3, fish and tree

Special provisions (SP)	223 (UN RTDG)
Excepted quantities (EQ)	E1 (UN RTDG)
Limited quantities (LQ)	5 L (UN RTDG)

International Maritime Dangerous Goods Code (IMDG) - Additional information

Particulars in the shipper's declaration	UN1268, PETROLEUM DISTILLATES, N.O.S., (contains: Kerosine (petroleum), hydrodesulfurized, 1,2,4 trimethylbenzene), 3, III, 38°C c.c., MARINE POLLUTANT
Marine pollutant	yes (hazardous to the aquatic environment)
Danger label(s)	3, fish and tree

Special provisions (SP)	223, 955
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, S-E
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Particulars in the shipper's declaration	UN1268, Petroleum distillates, n.o.s., (contains: Kerosine (petroleum), hydrodesulfurized, 1,2,4 trimethylbenzene), 3, III
Environmental hazards	yes (hazardous to the aquatic environment)
Danger label(s)	3

Special provisions (SP)	A3
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 L

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15 Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Toxic Substance Control Act (TSCA) not all ingredients are listed (ACTIVE)

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings

Name of substance	CAS No	Remarks	Effective date
Propylbenzene	98-82-8		1987-01-01
Cumene	98-82-8		1987-01-01
1,2,4 trimethlybenzene	95-63-6		1987-01-01
Methylbenzene derivatives	1330-20-7		1987-01-01
Naphthalene	91-20-3		1987-01-01
toluene	108-88-3		1987-01-01

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

Name of substance	CAS No	Remarks	Statutory code	Final RQ pounds (Kg)
Cumene	98-82-8		3 4	5000 (2270)
Methylbenzene derivatives	1330-20-7		1 3 4	100 (45,4)
Naphthalene	91-20-3		1 2 3 4	100 (45,4)
toluene	108-88-3		1 2 3 4	1000 (454)

Legend

1	"1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act
2	"2" indicates that the source is section 307(a) of the Clean Water Act
3	"3" indicates that the source is section 112 of the Clean Air Act
4	"4" indicates that the source is section 3001 of the Resource Conservation and Recovery Act (RCRA)

Clean Air Act

none of the ingredients are listed

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals

Name acc. to inventory	CAS No	Remarks	Type of the toxicity
styrene	100-42-5		cancer
cumene	98-82-8		cancer
benzo(a)pyrene	50-32-8		cancer
benzene	71-43-2		cancer
benzene	71-43-2		developmental, male
ethylbenzene	100-41-4		cancer
cumene	98-82-8		cancer
n-hexane	110-54-3		male
naphthalene	91-20-3		cancer
toluene	108-88-3		developmental

Drug precursors, Chemicals designated within the Controlled Substances Act, 21 U.S.C. § 802, paragraphs 34 (list I) and 35 (list II)

Name of substance	CAS No	Listed in	Special conditions	Excluded transactions	DEA - code	Concentration limit
toluene	108-88-3	List II chemicals	SC-6594	excl-trans-12	6594	35% by Weight or Volume

Legend

excl-trans-12	Excluded transactions: Domestic and import transactions in chemical mixtures that contain acetone, ethyl ether, 2-butanone, and/or toluene, unless regulated because of being formulated with other List I or List II chemical(s) above the concentration limit.
List II chemicals	The term "list II chemical" means a chemical (other than a list I chemical) specified by regulation of the Attorney General as a chemical that is used in manufacturing a controlled substance in violation of this subchapter.
SC-6594	Exports only; Limit applies to toluene or any combination of acetone, ethyl ether, 2-butanone, methyl isobutyl ketone, and toluene if present in the mixture by summing the concentrations for each chemical.

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National inventories

Country	Inventory	Status
AU	AIIC	not all ingredients are listed
CA	DSL	not all ingredients are listed
CA	NDSL	not all ingredients are listed
CN	IECSC	not all ingredients are listed
EU	ECSI	not all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed

Country	Inventory	Status
JP	ISHA-ENCS	not all ingredients are listed
KR	KECI	not all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	not all ingredients are listed
PH	PICCS	not all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	not all ingredients are listed
US	TSCA	not all ingredients are listed
VN	NCI	not all ingredients are listed

Legend

AIIC	Australian Inventory of Industrial Chemicals
CICR	Chemical Inventory and Control Regulation
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances
ISHA-ENCS	Inventory of Existing and New Chemical Substances (ISHA-ENCS)
KECI	Korea Existing Chemicals Inventory
NCI	National Chemical Inventory
NDSL	Non-domestic Substances List (NDSL)
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

16 Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
2.2		- Precautionary statements: change in the listing (table)	yes
2.3	Other hazards: of no significance	Other hazards	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
2.3		Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance in a con-centration of ≥ 0.1%.	yes
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0.1%.	yes
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
9.1	Appearance		yes
9.1	Other safety parameters		yes
9.1	Flammability (solid, gas): not relevant, (fluid)	Flammability: flammable liquid in accordance with GHS criteria	yes
9.1	Explosive limits	Lower and upper explosion limit: 0.8 vol% - 7.6 vol%	yes
9.1	Evaporation rate: Not determined		yes
9.1	Lower explosion limit (LEL): 0.8 vol%		yes
9.1	Upper explosion limit (UEL): 7.6 vol%		yes
9.1		Decomposition temperature: not relevant	yes
9.1		Kinematic viscosity: not determined	yes
9.1		Density and/or relative density	yes
9.1	Vapor density: this information is not available		yes
9.1	Viscosity: not determined		yes
9.1	Explosive properties: not explosive (GHS of the United Nations, annex 4)		yes
9.1	Oxidizing properties: none		yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
9.2		Information with regard to physical hazard classes: there is no additional information	yes
9.2		Other safety characteristics	yes
12.1		Aquatic toxicity (acute) of components of the mix-ture: change in the listing (table)	yes
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)	yes
12.5	Results of PBT and vPvB assessment: Data are not available.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance in a con-centration of ≥ 0.1%.	yes
12.6	Endocrine disrupting properties: None of the ingredients are listed.	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0.1%.	yes
15.1		Toxic Substance Control Act (TSCA): not all ingredients are listed (ACTIVE)	yes
15.1		Toxics Release Inventory: Specific Toxic Chemical Listings: change in the listing (table)	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1		National inventories: change in the listing (table)	yes

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
"BC Regulation"	OHS Regulation: Section 5.48 (British Columbia)
Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
ATE	Acute Toxicity Estimate
Carc.	Carcinogenicity
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DEA	Drug Enforcement Administration

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Abbr.	Descriptions of used abbreviations
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
MoL	Ministry of Labor: Current Occupational Exposure Limits for Ontario Workplaces Required under Regulation 833
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition

Abbr.	Descriptions of used abbreviations
OHS Code	Occupational Health and Safety Code: Occupational exposure limits for chemical substances (Alberta)
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
Regulation OHS	Regulation respecting occupational health and safety: Permissible exposure values for airborne contaminants (Quebec)
Repr.	Reproductive toxicity
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
STEL	Short-term exposure limit
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
TWA	Time-weighted average
UN RTDG	UN Recommendations on the Transport of Dangerous Good
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Hazardous Products Regulations (HPR)
SOR/2022-272: Regulations Amending the Hazardous Products Regulations (GHS, Seventh Revised Edition)

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG).
Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H227	Combustible liquid.

STP Ultra 5 in 1 Diesel Fuel System Cleaner-bottle

Version number: 7.2
Replaces version of: 2022-07-13 (6)

Revision: 2023-09-11

Code	Text
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.
H371	May cause damage to organs (respiratory system, blood).
H373	May cause damage to organs (blood, nervous system, eye) through prolonged or repeated exposure.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.