Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

STP Diesel Fuel Treatment and Injector Cleaner - bottle

Version number: 12.0
Replaces version of: 2020-12-10 (11)

Revision: 2021-01-04

SECTION 1: Identification

1.1 Product identifier

Trade name: **STP Diesel Fuel Treatment and Injector Cleaner - bottle**

Alternative number(s): 071153000087, 071153170520, 071153783805

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)
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: 1-314-985-1511 Int'l: 1-800-526-4727
This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard state-ment
A.1I	acute toxicity (inhal.)	3	Acute Tox. 3	H331
A.6	carcinogenicity	2	Carc. 2	H351
A.7	reproductive toxicity	2	Repr. 2	H361d
A.8	specific target organ toxicity - single exposure	2	STOT SE 2	H371
A.9	specific target organ toxicity - repeated exposure	2	STOT RE 2	H373

Section	Hazard class	Category	Hazard class and category	Hazard state-ment
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

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

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS02, GHS06, GHS08 

- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H331	Toxic if inhaled.
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, 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/sparks/open flames/hot surfaces. No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/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/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ 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.

- Precautionary statements

P311	Call a poison center/doctor.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
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 national regulations.

2.2.1.7 - Hazardous ingredients for labelling: naphthalene, Kerosine (petroleum), hydrodesulfurized, toluene, cumene

2.3 Other hazards

Hazards not otherwise classified

May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).
Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Kerosine (petroleum), hydrodesulfurized	CAS No 64742-81-0	75 – < 90	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	
Solvent naphtha (petroleum), light arom.	CAS No 64742-95-6	1 – < 5	Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 1 / H224	
1,2,4 trimethlybenzene	CAS No 95-63-6	1 – < 5	Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	
xylene	CAS No trade secret 1330-20-7	1 – < 5	Acute Tox. 4 / H312 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	

STP Diesel Fuel Treatment and Injector Cleaner - bottle

Version number: 12.0
Replaces version of: 2020-12-10 (11)

Revision: 2021-01-04

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
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	
ethylbenzene	CAS No 100-41-4	< 1	Acute Tox. 4 / H332 Carc. 2 / H351 STOT RE 2 / H373 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	
cumene	CAS No 98-82-8	< 1	Carc. 2 / H351 STOT SE 3 / H335 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	
2-ethylhexan-1-ol	CAS No 104-76-7	< 1	Acute Tox. 2 / H330 Flam. Liq. 4 / H227	
toluene	CAS No 108-88-3	< 1	Acute Tox. 1 / H330 Skin Irrit. 2 / H315 Repr. 2 / H361d STOT SE 3 / H336 STOT RE 2 / H373 Asp. Tox. 1 / H304 Flam. Liq. 2 / H225	

For full text of abbreviations: see SECTION 16.

SECTION 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. 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

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 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

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.

SECTION 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.

SECTION 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.

SECTION 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
US	hydrocarbon mixture (RCP method)		TLV		100		200				AC-GIH® 2016
US	ethylbenzene	100-41-4	PEL (CA)	5	22	30	130				Cal/OSHA PEL
US	ethylbenzene	100-41-4	REL	100 (10 h)	435 (10 h)	125	545				NIOSH REL
US	ethylbenzene	100-41-4	TLV®	20							AC-GIH® 2019
US	ethylbenzene	100-41-4	PEL	100	435						29 CFR 1910.1000
US	toluene	108-88-3	REL	100 (10 h)	375 (10 h)	150	560				NIOSH REL
US	toluene	108-88-3	TLV®	20							AC-GIH® 2019
US	toluene	108-88-3	PEL	200		500 (10 min)		300			29 CFR 1910.1000
US	toluene (toluol)	108-88-3	PEL (CA)	10	37	150	560	500			Cal/OSHA PEL
US	xylene, mixture of isomers	1330-20-7	TLV®	100		150					AC-GIH® 2019
US	xylene, mixture of isomers	1330-20-7	PEL	100	435						29 CFR 1910.1000

STP Diesel Fuel Treatment and Injector 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
US	xylene (dimethylbenzene)	1330-20-7	PEL (CA)	100	435	150	655	300			Cal/OSHA PEL
US	Kerosine - unspecified	64742-81-0	TLV®		200					vap, HyCarb	ACGIH® 2019
US	naphthalene	91-20-3	PEL (CA)	0.1	0.5						Cal/OSHA PEL
US	naphthalene	91-20-3	REL	10 (10 h)	50 (10 h)	15	75				NIOSH REL
US	naphthalene	91-20-3	TLV®	10							ACGIH® 2019
US	naphthalene	91-20-3	PEL	10	50						29 CFR 1910.1000
US	1,2,4-trimethylbenzene	95-63-6	REL	25 (10 h)	125 (10 h)						NIOSH REL
US	C9-C15 aromatics	95-63-6	TLV®		100						ACGIH® 2019
US	cumene	98-82-8	REL	50 (10 h)	245 (10 h)						NIOSH REL
US	cumene	98-82-8	TLV®	50							ACGIH® 2019
US	cumene	98-82-8	PEL	50	245						29 CFR 1910.1000
US	cumene (isopropylbenzene)	98-82-8	PEL (CA)	50	245						Cal/OSHA PEL

Notation

Ceiling-C	ceiling value is a limit value above which exposure should not occur
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

Biological limit values

Country	Name of agent	Parameter	Nota-tion	Identifier	Value	Source
US	ethylbenzene	mandelic acid, benzoyl-formic acid	crea	BEI®	0.15 g/g	ACGIH® 2019
US	toluene	toluene		BEI®	0.02 mg/l	ACGIH® 2019
US	toluene	toluene		BEI®	0.03 mg/l	ACGIH® 2019
US	toluene	o-cresol	hydr, crea	BEI®	0.3 mg/g	ACGIH® 2019
US	xylene, mixture of isomers	methylhippuric acids	crea	BEI®	1.5 g/g	ACGIH® 2019

Notation
crea creatinine
hydr hydrolysis

Relevant DNELs of components of the mixture

Name of sub-stance	CAS No	End-point	Threshold level	Protection goal, route of expos-ure	Used in	Exposure time
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 ef-fects
naphthalene	91-20-3	DNEL	3.57 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
1,2,4 trimethlyben-zene	95-63-6	DNEL	100 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
1,2,4 trimethlyben-zene	95-63-6	DNEL	100 mg/m³	human, inhalatory	worker (industry)	acute - systemic ef-fects
1,2,4 trimethlyben-zene	95-63-6	DNEL	100 mg/m³	human, inhalatory	worker (industry)	chronic - local ef-fects
1,2,4 trimethlyben-zene	95-63-6	DNEL	100 mg/m³	human, inhalatory	worker (industry)	acute - local effects
1,2,4 trimethlyben-zene	95-63-6	DNEL	16,171 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
xylene	trade secret 1330-20-7	DNEL	221 mg/m³	human, inhalatory	worker (industry)	chronic - 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
xylene	trade secret 1330-20-7	DNEL	442 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
xylene	trade secret 1330-20-7	DNEL	221 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
xylene	trade secret 1330-20-7	DNEL	442 mg/m³	human, inhalatory	worker (industry)	acute - local effects
xylene	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
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
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
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
ethylbenzene	100-41-4	DNEL	77 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
ethylbenzene	100-41-4	DNEL	293 mg/m³	human, inhalatory	worker (industry)	acute - local effects
ethylbenzene	100-41-4	DNEL	180 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
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)
xylene	trade secret 1330-20-7	PNEC	0.327 mg/l	aquatic organisms	freshwater	short-term (single instance)
xylene	trade secret 1330-20-7	PNEC	0.327 mg/l	aquatic organisms	marine water	short-term (single instance)
xylene	trade secret 1330-20-7	PNEC	6.58 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
xylene	trade secret 1330-20-7	PNEC	12.46 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
xylene	trade secret 1330-20-7	PNEC	12.46 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
xylene	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)

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	freshwater	short-term (single instance)
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)
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)
ethylbenzene	100-41-4	PNEC	0.1 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
ethylbenzene	100-41-4	PNEC	0.01 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
ethylbenzene	100-41-4	PNEC	9.6 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
ethylbenzene	100-41-4	PNEC	13.7 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
ethylbenzene	100-41-4	PNEC	1.37 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
ethylbenzene	100-41-4	PNEC	2.68 $^{mg}/_{kg}$	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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	various
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥-20 °C at 101.3 kPa
Flash point	38 °C

Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)

Explosive limits

- Lower explosion limit (LEL)	1.1 vol%
- Upper explosion limit (UEL)	7.6 vol%

Vapor pressure	≤240 kPa at 37.8 °C
Density	not determined
Vapor density	this information is not available
Relative density	Information on this property is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available

Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

9.2 Other information

Temperature class (USA, acc. to NEC 500)	T2D (maximum permissible surface temperature on the equipment: 215°C)

SECTION 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.

SECTION 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 OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

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 2,886 $^{ppmV}/_{4h}$
Inhalation: vapor 4.176 $^{mg}/_{l}/4h$

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
Kerosine (petroleum), hydrodesulfurized	64742-81-0	inhalation: vapor	5.28 $^{mg}/_{l}/4h$
naphthalene	91-20-3	oral	710 $^{mg}/_{kg}$
naphthalene	91-20-3	inhalation: vapor	0.4 $^{mg}/_{l}/4h$
naphthalene	91-20-3	inhalation: dust/mist	0.005 $^{mg}/_{l}/4h$

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
1,2,4 trimethlybenzene	95-63-6	inhalation: vapor	11 $^{mg}/_{l}$/4h
xylene	trade secret 1330-20-7	dermal	1,100 $^{mg}/_{kg}$
xylene	trade secret 1330-20-7	inhalation: vapor	11 $^{mg}/_{l}$/4h
toluene	108-88-3	inhalation: gas	7.6 $^{ppmV}/_{4h}$
2-ethylhexan-1-ol	104-76-7	inhalation: vapor	0.89 $^{mg}/_{l}$/4h
ethylbenzene	100-41-4	inhalation: vapor	11 $^{mg}/_{l}$/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

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.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
ethylbenzene	100-41-4	2B	
cumene	98-82-8	2B	
xylene	1330-20-7	3	
naphthalene	91-20-3	2B	
toluene	108-88-3	3	

Legend

2B	Possibly carcinogenic to humans
3	Not classifiable as to carcinogenicity in humans

National Toxicology Program (United States): Report on Carcinogens			
Name of substance	**CAS No**	**Classification**	**Number**
cumene	98-82-8	Reasonably anticipated to be a human carcinogen	13th Report on Carcinogens
naphthalene	91-20-3	Reasonably anticipated to be a human carcinogen	11th Report on Carcinogens

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

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

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, eye) through prolonged or repeated exposure.

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

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 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

STP Diesel Fuel Treatment and Injector Cleaner - bottle

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Kerosine (petroleum), hydrodesulfurized	64742-81-0	EL50	1.4 $^{mg}/_{l}$	aquatic invertebrates	48 h
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
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
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
xylene	trade secret 1330-20-7	LC50	8.4 $^{mg}/_{l}$	fish	96 h
xylene	trade secret 1330-20-7	EC50	4.9 $^{mg}/_{l}$	algae	72 h
xylene	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
cumene	98-82-8	growth (EbCx) 10%	1.3 $^{mg}/_{l}$	aquatic invertebrates	48 h
cumene	98-82-8	growth rate (ErCx) 10%	1.35 $^{mg}/_{l}$	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
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

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
2-ethylhexan-1-ol	104-76-7	NOEC	14 mg/l	fish	96 h
2-ethylhexan-1-ol	104-76-7	growth (EbCx) 10%	3.2 mg/l	algae	72 h
2-ethylhexan-1-ol	104-76-7	growth rate (ErCx) 10%	5.3 mg/l	algae	72 h
ethylbenzene	100-41-4	LC50	7 mg/l	fish	24 h
ethylbenzene	100-41-4	EC50	2.4 mg/l	aquatic invertebrates	48 h
ethylbenzene	100-41-4	NOEC	3.3 mg/l	fish	96 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
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
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
xylene	trade secret 1330-20-7	EL50	2.9 mg/l	aquatic invertebrates	21 d
xylene	trade secret 1330-20-7	ErC50	4.36 mg/l	algae	73 h
xylene	trade secret 1330-20-7	EC50	2.2 mg/l	algae	73 h
xylene	trade secret 1330-20-7	NOEC	>1.3 mg/l	fish	56 d
xylene	trade secret 1330-20-7	LOEC	3.16 mg/l	aquatic invertebrates	21 d

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
xylene	trade secret 1330-20-7	growth rate (ErCx) 10%	1.9 $^{mg}/_{l}$	algae	73 h
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
cumene	98-82-8	growth (EbCx) 10%	0.6 $^{mg}/_{l}$	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
toluene	108-88-3	NOEC	1.39 $^{mg}/_{l}$	fish	40 d
ethylbenzene	100-41-4	LC50	3.6 $^{mg}/_{l}$	aquatic invertebrates	7 d
ethylbenzene	100-41-4	LOEL	1.7 $^{mg}/_{l}$	aquatic invertebrates	7 d
ethylbenzene	100-41-4	NOEC	0.96 $^{mg}/_{l}$	aquatic invertebrates	7 d
ethylbenzene	100-41-4	LOEC	1.7 $^{mg}/_{l}$	aquatic invertebrates	7 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

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

STP Diesel Fuel Treatment and Injector Cleaner - bottle

SECTION 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 DOT) 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.

SECTION 14: Transport information

14.1 UN number

DOT	1268
IMDG-Code	1268
ICAO-TI	1268

14.2 UN proper shipping name

DOT	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)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

hazardous to the aquatic environment

14.5.1 Additional information

LTD QTY

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 Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration	UN1268, Petroleum distillates, n.o.s., (contains: Kerosine (petroleum), hydrodesulfurized, naphthalene), 3, III, environmentally hazardous
Reportable quantity (RQ)	3,561 lbs (1,616 kg) (naphthalene) (xylene)
Danger label(s)	3, fish and tree

Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	144, B1, IB3, T4, TP1, TP29, LTD QTY
ERG No	128

International Maritime Dangerous Goods Code (IMDG) - Additional information

Particulars in the shipper's declaration	UN1268, PETROLEUM DISTILLATES, N.O.S., (contains: Kerosine (petroleum), hydrodesulfurized, naphthalene), 3, III, 38°C c.c., MARINE POLLUTANT
Marine pollutant	yes (hazardous to the aquatic environment) (Kerosine (petroleum), hydrodesulfurized)
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, naphthalene), 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

SECTION 15: Regulatory information

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

National regulations (United States)

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
ethylbenzene	100-41-4		1987-01-01
cumene	98-82-8		1987-01-01
1,2,4 trimethlybenzene	95-63-6		1987-01-01
xylene	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)
ethylbenzene	100-41-4		1 2 3	1000 (454)
cumene	98-82-8		3 4	5000 (2270)
xylene	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

Right to Know Hazardous Substance List

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	Name acc. to inventory	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
Propylbenzene	Cumene	98-82-8				0.1 %
ethylbenzene	Ethylbenzene	100-41-4				0.1 %
cumene	Cumene	98-82-8				0.1 %
1,2,4 trimethlybenzene	1,2,4-Trimethylbenzene	95-63-6				1.0 %
xylene	Xylene (mixed isomers)	1330-20-7				1.0 %
naphthalene	Naphthalene	91-20-3				0.1 %

STP Diesel Fuel Treatment and Injector Cleaner - bottle

Name of substance	Name acc. to inventory	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
toluene	Toluene	108-88-3				1.0 %

- Hazardous Substances List (MN-ERTK)

Name of substance	Name acc. to inventory	CAS No	References	Remarks
1,2,4 trimethlybenzene	Trimethylbenzene	25551-13-7	A	
xylene	Xylene (o-m-p-isomers)	1330-20-7	A, N, O	
naphthalene	Naphthalene	91-20-3	A, O	

Legend

A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH

N National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer

O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division

- Hazardous Substance List (NJ-RTK)

Name of substance	Name acc. to inventory	CAS No	Remarks	Classifications
Propylbenzene	propylbenzene (benzene, propyl-)	103-65-1		F3
1,2,3-Trimethylbenzene	TRIMETHYL BENZENE (mixed isomers) (BENZENE, TRIMETHYL-)	25551-13-7		F2
ethylbenzene	ethylbenzene (benzene, ethyl-)	100-41-4		CA F3
cumene	cumene	98-82-8		F3 R1
1,2,4 trimethlybenzene	pseudocumene	95-63-6		F2
xylene	xylene, mixture of isomers (benzene, dimethyl-)	1330-20-7		F3
naphthalene	naphthalene	91-20-3		CA F2
1,3,5-trimethylbenzene	TRIMETHYL BENZENE (mixed isomers) (BENZENE, TRIMETHYL-)	25551-13-7		F2

STP Diesel Fuel Treatment and Injector Cleaner - bottle

Name of substance	Name acc. to inventory	CAS No	Remarks	Classifications
toluene	toluene (benzene, methyl-) (toluol)	108-88-3		TE F3

Legend
CA Carcinogenic
F2 Flammable - Second Degree
F3 Flammable - Third Degree
R1 Reactive - First Degree
TE Teratogenic

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name of substance	Name acc. to inventory	CAS No	Classification
ethylbenzene	BENZENE, ETHYL-	100-41-4	E
cumene	BENZENE, (1-METHYLETHYL)-	98-82-8	E
1,2,4 trimethlybenzene	PSEUDOCUMENE	95-63-6	E
xylene	BENZENE, DIMETHYL-	1330-20-7	E
naphthalene	NAPHTHALENE	91-20-3	E
toluene	BENZENE, METHYL-	108-88-3	E

Legend
E Environmental hazard

- Hazardous Substance List (RI-RTK)

Name of substance	Name acc. to inventory	CAS No	References
Propylbenzene	cumene	98-82-8	T, F
1,2,3-Trimethylbenzene	Trimethyl benzene	25551-13-7	T
ethylbenzene	Ethyl benzene	100-41-4	T, F
cumene	cumene	98-82-8	T, F
1,2,4 trimethlybenzene	Trimethyl benzene	25551-13-7	T
xylene	Dimethylbenzene	1330-20-7	T, F
naphthalene	naphthalene	91-20-3	T, F
1,3,5-trimethylbenzene	Trimethyl benzene	25551-13-7	T
toluene	Methylbenzene	108-88-3	T, F

Legend
F Flammability (NFPA®)
T Toxicity (ACGIH®)

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
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

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	1	irritation or minor reversible injury possible
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	3	material that, under emergency conditions, can cause serious or permanent injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National inventories

Country	Inventory	Status
AU	AICS	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
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

Legend

AICS	Australian Inventory of Chemical Substances
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
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

Legend

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.

SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
2.1	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. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).	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.	yes
2.3	Results of PBT and vPvB assessment: Containing a PBT-/vPvB-substance in a concentration of ≥ 0,1%. Containing a PBT-substance in a concentration of ≥ 0,1%. Containing a vPvB-substance in a concentration of ≥ 0,1%.		yes
12.5	Results of PBT and vPvB assessment: The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).	Results of PBT and vPvB assessment: Data are not available.	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 1268	UN number	yes
14.1		DOT: 1268	yes
14.1		IMDG-Code: 1268	yes
14.1		ICAO-TI: 1268	yes
14.2	UN proper shipping name: Petroleum distillates, n.o.s.	UN proper shipping name	yes

STP Diesel Fuel Treatment and Injector Cleaner - bottle

Version number: 12.0
Replaces version of: 2020-12-10 (11)

Revision: 2021-01-04

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
14.2		DOT: Petroleum distillates, n.o.s.	yes
14.2		IMDG-Code: PETROLEUM DISTILLATES, N.O.S.	yes
14.2		ICAO-TI: Petroleum distillates, n.o.s.	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Index number: 1268		yes
14.7	Proper shipping name: Petroleum distillates, n.o.s.		yes
14.7	Particulars in the shipper's declaration: UN1268, Petroleum distillates, n.o.s., 3, III, envir-onmentally hazardous	Particulars in the shipper's declaration: UN1268, Petroleum distillates, n.o.s., (contains: Kerosine (petroleum), hydrodesulfurized, naph-thalene), 3, III, environmentally hazardous	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	UN number: 1268		yes
14.7	Proper shipping name: PETROLEUM DISTILLATES, N.O.S.		yes

STP Diesel Fuel Treatment and Injector Cleaner - bottle

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Kerosine (petroleum), hydrodesulfurized)	yes
14.7	UN number: 1268		yes
14.7	Proper shipping name: Petroleum distillates, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Particulars in the shipper's declaration: UN1268, Petroleum distillates, n.o.s., 3, III	Particulars in the shipper's declaration: UN1268, Petroleum distillates, n.o.s., (contains: Kerosine (petroleum), hydrodesulfurized, naphthalene), 3, III	yes

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH®	American Conference of Governmental Industrial Hygienists
ACGIH® 2019	From ACGIH®, 2019 TLVs® and BEIs® Book. Copyright 2019. Reprinted with permission. Information on the proper use of the TLVs® and BEIs®: http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement
Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
ATE	Acute Toxicity Estimate
Cal/OSHA PEL	California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)
Carc.	Carcinogenicity
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)

STP Diesel Fuel Treatment and Injector Cleaner - bottle

Abbr.	Descriptions of used abbreviations
Ceiling-C	Ceiling value
DEP CODE	Department of Environmental Protection Code
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
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
ERG No	Emergency Response Guidebook - Number
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
HHS	Higher hazard substance
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
LHS	Lower hazard substance
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
LOEC	Lowest Observed Effect Concentration

STP Diesel Fuel Treatment and Injector Cleaner - bottle

Abbr.	Descriptions of used abbreviations
LOEL	Lowest Observed Effect Level
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NFPA®	National Fire Protection Association (United States)
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
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
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible exposure limit
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
RCP	Reciprocal calculation procedure
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
TLV®	Threshold Limit Values
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). 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).

STP Diesel Fuel Treatment and Injector Cleaner - bottle

Version number: 12.0
Replaces version of: 2020-12-10 (11)

Revision: 2021-01-04

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

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