



**DSC Super Clean**

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36/37 Wear suitable protective clothing and gloves.

**SECTION 3: Composition/information on ingredients**

**Mixtures**

**Chemical characterization**

Surface tension compounds  
Detergents, Dispersants  
Synthetic agent combinations  
corrosion preventing agent  
Multifunction Diesel Fuel Additive

**Hazardous components**

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
265-149-8	Distillates (petroleum, gasoline), hydrotreated light	60 - 65 %
64742-47-8	Xn R52-53-65-66	
	Asp. Tox. 1, Aquatic Chronic 3; H304 H412	
203-234-3	2-ethyl-hexanol	15 - 20 %
104-76-7	Xn, Xi R20-36/37/38	
	Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2; H332 H319 H335 H315	
215-535-7	xylene	10 - 15 %
1330-20-7	Xn, Xi R10-20/21-38	
601-022-00-9	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315	
248-363-6	2-Ethyl hexyl nitrate	5 - 10 %
27247-96-7	Xn, N R20/21/22-44-51-53-66	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Aquatic Chronic 2; H302 H312 H332 H411	
	polyolefin amide alkylen amine	1 - 5 %
N/A	R53	
	Aquatic Chronic 4; H413	

Full text of R- and H-phrases: see section 16.

**SECTION 4: First aid measures**

**Description of first aid measures**

**After inhalation**

Move victim to fresh air. Put victim at rest and keep warm.

**After contact with skin**

Take off immediately all contaminated clothing, including underwear and shoes .  
Subsequently wash again with: Water and soap.

**After contact with eyes**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult physician.

**After ingestion**

Let water be swallowed in little sips (dilution effect). Consult physician.

**Most important symptoms and effects, both acute and delayed**

Frequently or prolonged contact with skin may cause dermal irritation.

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Irritation of eyes: Irritant effect possible.  
After ingestion: Harmful: may cause lung damage if swallowed.

**Indication of any immediate medical attention and special treatment needed**

Warning about danger of aspiration.

**SECTION 5: Firefighting measures**

**Extinguishing media**

**Suitable extinguishing media**

Extinguishing powder.  
Sand.  
Carbon dioxide (CO<sub>2</sub>).  
alcohol resistant foam.

**Extinguishing media which must not be used for safety reasons**

High power water jet.

**Special hazards arising from the substance or mixture**

Formation of decomposition products possible.  
In case of fire and/or explosion do not breathe fumes.

**Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Cool endangered container in case of fire.  
Beat down gas/vapours/mist with water spray.  
Contaminated fire-fighting water must be collected separately.

**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Wear a self-contained breathing apparatus and chemical resistant suit.  
Keep away from sources of ignition. No smoking.

**Environmental precautions**

Beat down gas/vapours/mist with water spray.  
Do not empty into drains or the aquatic environment.  
In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

**Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

**SECTION 7: Handling and storage**

**Precautions for safe handling**

**Advice on safe handling**

Material must only be handled in closed installations or systems. Vapours / aerosols must be extracted by suction immediately at point of origin.  
Avoid contact with skin and eyes.

**Advice on protection against fire and explosion**

Keep away from sources of ignition. No smoking.  
Take precautionary measures against static discharges.

**Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.



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**SECTION 8: Exposure controls/personal protection**

**Control parameters**

**Biological Monitoring Guidance Values (EH40)**

CAS No.	Chemical name	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol	urine	Post shift

**Exposure controls**

**Protective and hygiene measures**

Take off immediately all contaminated clothing  
Do not breathe gas/fumes/vapour/spray.  
Avoid contact with skin and eyes.  
Keep away from food, drink and animal feeding stuffs.  
When using do not eat, drink or smoke.  
"Wash hands when done working with material; at breaks, lunch, shift changes, etc."

**Respiratory protection**

In case of accumulation of fumes/aerosols, provide adequate ventilation.  
In case of fire: Wear self-contained breathing apparatus.

**Hand protection**

Tested protective gloves are to be worn: NBR (Nitrile rubber). FKM (Fluoroelastomer (Viton)). (EN374)

**Eye protection**

Wear tightly sealed safety glasses against possible splashes into the eyes. (EN 166)

**Skin protection**

Wear suitable solvent-proof protective clothing according to EN 465.

**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

Physical state: liquid  
Colour: yellow, transparent  
Odour: aromatic

**Test method**

**Changes in the physical state**

Boiling point: 200 - 210 °C  
Flash point: 54,5 °C  
Lower explosion limits: > 0,6 vol. %  
Upper explosion limits: > 7,0 vol. %  
Ignition temperature: > 200 °C  
Vapour pressure: > 8 hPa  
(at 20 °C)  
Density (at 20 °C): 0.820 - 0.850 g/cm<sup>3</sup>  
Water solubility: insoluble  
(at 20 °C)  
Solubility in other solvents: Organic solvents

**SECTION 10: Stability and reactivity**



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**Conditions to avoid**

Only use material in places where open light, fire and other sources of ignition can be kept away.  
No decomposition when used as intended.

**Incompatible materials**

Oxidizing agents.  
acid, concentrated.  
Alkalis (alkalis), concentrated.

**Hazardous decomposition products**

No hazardous decomposition products are known.

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

CAS No.	Chemical name	Exposure routes	Method	Dose	Species	h
64742-47-8	Distillates (petroleum, gasoline), hydrotreated light					
	Acute oral toxicity	LD50	>5000 mg/kg		rat.	
	Acute dermal toxicity	LD50	>2920 mg/kg		Rabbit.	
104-76-7	2-ethyl-hexanol					
	Acute oral toxicity	LD50	2047 mg/kg		rat.	
	Acute dermal toxicity	LD50	>3000 mg/kg		rat.	
	Acute inhalation toxicity	LC50	>0,89-<5,3 mg/l		rat.	4
1330-20-7	xylene					
	Acute oral toxicity	LD50	4300 mg/kg		rat.	
	Acute dermal toxicity	LD50	3200 mg/kg		Rabbit.	
27247-96-7	2-Ethyl hexyl nitrate					
	Acute oral toxicity	LD50	>9640 mg/kg		rat.	
	Acute dermal toxicity	LD50	>4820 mg/kg		Rabbit.	

**Irritation and corrosivity**

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.  
Irritation of eyes: Irritant effect possible.

**Sensitizing effects**

no danger of sensitization.

**SECTION 12: Ecological information**

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**Toxicity**

CAS No.	Chemical name			
	Aquatic toxicity	Method	Dose	Species
64742-47-8	Distillates (petroleum, gasoline), hydrotreated light			
	Acute fish toxicity	LC50	10-100 mg/l	Oncorhynchus mykiss
	Acute algae toxicity	ErC50	50-100 mg/l	Pseudokirchneriella subcapitata
	Acute crustacea toxicity	EC50	10-22 mg/l	Daphnia magna
104-76-7	2-ethyl-hexanol			
	Acute fish toxicity	LC50	17,1 mg/l	Leuciscus idus
	Acute algae toxicity	ErC50	11,5 mg/l	Scenedesmus subspicatus
	Acute crustacea toxicity	EC50	39 mg/l	Daphnia magna
1330-20-7	xylene			
	Acute fish toxicity	LC50	26,7 mg/l	Pimephales promelas
27247-96-7	2-Ethyl hexyl nitrate			
	Acute fish toxicity	LC50	2 mg/l	Fish
	Acute algae toxicity	ErC50	1-10 mg/l	Algae
	Acute crustacea toxicity	EC50	>10 mg/l	Daphnia magna

**Bioaccumulative potential**

Swims on the water.  
Low potential of bio-accumulation.

**Further information**

Do not empty into drains or the aquatic environment.

**SECTION 13: Disposal considerations**

**Waste treatment methods**

**Advice on disposal**

Do not dispose with household waste.  
Do not empty into drains or the aquatic environment.  
Arrange about the exact waste code with the local waste disposal expert.  
Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

**Contaminated packaging**

Container must be completely emptied.  
Do not pierce, cut up or weld unclean container. (Explosion hazard.)

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

**UN number:** UN1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** III  
**Hazard label:** 3

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Classification code: F1  
Special Provisions: 274 601 640E  
Limited quantity: 5 L  
Transport category: 3  
Hazard-no.: 30  
Tunnel restriction code: D/E

**Inland waterways transport**

**UN number:** UN1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** III  
Hazard label: 3



Classification code: F1  
Special Provisions: 274 601 640E  
Limited quantity: 5 L

**Marine transport**

**UN number:** UN1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** III  
Hazard label: 3



Marine pollutant: -  
Special Provisions: 223, 274, 955  
Limited quantity: 5 L  
EmS: F-E, S-E

**Air transport**

**UN/ID number:** UN1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** III  
Hazard label: 3



Special Provisions: -  
Limited quantity Passenger: 10 L  
IATA-packing instructions - Passenger: 355

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IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

**Environmental hazards**

Dangerous for the environment: no

**SECTION 15: Regulatory information**

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

**EU regulatory information**

**Additional information**

Contains:  
> 30 % hydrocarbons, aliphatic.  
5 - 15 % hydrocarbons, aromatic.

**National regulatory information**

Water contaminating class (D): 2 - water contaminating

**SECTION 16: Other information**

**Full text of R-phrases referred to under sections 2 and 3**

10	Flammable.
20	Harmful by inhalation.
20/21	Harmful by inhalation and in contact with skin.
20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
36/37/38	Irritating to eyes, respiratory system and skin.
38	Irritating to skin.
44	Risk of explosion if heated under confinement.
51	Toxic to aquatic organisms.
52	Harmful to aquatic organisms.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
53	May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.

**Full text of H-Statements referred to under sections 2 and 3**

H226	Flammable liquid and vapour.
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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.  
The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*