

According to Regulation (EU) No 2020/878

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : BLACK ARROW DIESEL SYSTEM CLEANER

Product code : CRX835, AT84I

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

Application : SU21 Consumer product. PC35 Cleaning agent. PC35 Other vehicle (all types) cleaning and care

products.

1.3. Details of the supplier of the safety data sheet

Supplier : Kemetyl Polska Sp. z o. o.

Al. Jerozolimskie 146 02-305 Warszawa, Poland

Telephone : +48 22 822 5390
E-mail : msds@kemetyl.com
Website : www.kemetyl.pl

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

PL - Telephone : +48 22 822 5390 (During office hours only)

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP classification : Aspiration hazard, category 1. Hazardous to the aquatic environment — Chronic category 3.

(1272/2008/EC)

Human health hazards : May be fatal if swallowed and enters airways. Repeated exposure may cause skin dryness or

cracking.

Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives. Combustible. Risk of explosion if

heated under confinement.

Environmental hazards : Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms :



Signal word : Danger

H- and P-phrases : H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects. EUH044 Risk of explosion if heated under confinement.

EUH066 Repeated exposure may cause skin dryness or cracking.

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.
P273 Avoid release to the environment.

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P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container to an official chemical waste depot.

Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases:

Hazard pictograms :

Signal word : Danger

H- and P-phrases : H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects. EUH044 Risk of explosion if heated under confinement.

EUH066 Repeated exposure may cause skin dryness or cracking.

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container to an official chemical waste depot.

Additional labelling (for all packaging sizes)

: Contains: Hydrocarbons, C14-18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%); Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); Hydrocarbons, C10, aromatics, <1%

naphthalene.

Ingredient declaration according to Regulation EC 648/2004:

Contains:	Concentration (%)
Aliphatic hydrocarbons	> 30
Aromatic hydrocarbons	15 - 30

Other information : According to regulation (EC) 1272/2008, Annex II, part 3, the packaging of this product shall carry a

tactile warning of danger and a child-resistant fastening.

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration	CAS nr.	EC number	Remark	REACH nr.
	(w/w) (%)				
Hydrocarbons, C14-18, n-alkanes,	25 - < 50		920-360-0		01-2119448343-41
isoalkanes, cyclics, aromatics (2-30%)					
Hydrocarbons, C11-14, n-alkanes,	25 - < 50	 	925-653-7		01-2119458869-15
isoalkanes, cyclics, aromatics (2-25%)					
2-Ethylhexyl nitrate	10 - < 25	27247-96-7	248-363-6		01-2119539586-27
2-Ethylhexan-1-ol	< 5	104-76-7	203-234-3		01-2119487289-20

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GHS07: GHS08:

GHS09

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naphthalene

Hydrocarbons, C10, aromatics, <1% naphthalene	< 5	89173-42-9	918-811-1		01-2119463583-34
Substance name	Hazard Class	H-phra	ses	Pictograms	
Hydrocarbons, C14-18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)	Asp. Tox. 1	H304;	EUH066	GHS08	
Hydrocarbons, C11-14, n-alkanes,	Asp. Tox. 1; Aquat Chronic 3	ic H304;	H412; EUH066	GHS08	
2-Ethylhexyl nitrate	Acute Tox. 4; Acute Tox. 4; Acute Tox. Aquatic Chronic 2	4; H411;	H312; H332; EUH044; 66	GHS07; GHS09	
2-Ethylhexan-1-ol	Skin Irrit. 2; Eye Irr Acute Tox. 4; STO		H319; H332;	GHS07	

H304; H336; H411;

EUH066

Occupational exposure limit(s), if relevant, are listed in section 8.

Reference is made to chapter 16 for full text of each relevant H phrase.

SECTION 4 FIRST-AID MEASURES

Hydrocarbons, C10, aromatics, <1%

4.1. Description of first aid measures

First aid measures

Inhalation : Move victim into fresh air. Consult a doctor if victim feels unwell.

Asp. Tox. 1; STOT SE

3; Aquatic Chronic 2

Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries

up. Consult a doctor if irritation persists.

Eye contact : Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor if irritation persists. Ingestion : Do not induce vomiting. Give nothing to drink. Do rinse the mouth. As necessary give 1 or 2

soupspoons of laxative (sodium sulphate). Never give anything by mouth to an unconscious

person. Consult a doctor immediately if victim feels unwell.

4.2. Most important symptoms and effects, both acute and delayed

Effects and symptoms

Inhalation : May cause headache, dizziness and a feeling of sickness. Skin contact : Repeated exposure may cause skin dryness or cracking.

Eye contact : May cause stinging of eyes and redness.

Ingestion : May cause a feeling of sickness, vomiting and diarrhoea. May cause lung damage, sore throat and

lack of breath.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians : None known.

SECTION 5 FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Suitable : Carbondioxide (CO2). Foam. Dry chemical. Water fog.

Not suitable : Water jet.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards : Will float on water and can be reignited.

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Hazardous thermal decomposition products

: Carbon monoxide may be evolved if incomplete combustion occurs.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

: Use adequate respiratory equipment in case of insufficient ventilation.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with

spilled or released material. Vapours are heavier than air. Build up (of gasses) in low areas involves

risk of suffocation.

6.2. Environmental precautions

Environmental precautions: Avoid release of product into sewers, surface water and/or ground water. In case of large spills:

contain with dike. Waste product should not be allowed to contaminate soil or water.

Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to

occur.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an

authorised waste collection point. Wash away remainder with plenty of water and soap.

6.4. Reference to other sections

Reference to other sections: See also section 8.

SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas.

Keep away from sources of ignition — No smoking. Do not breathe vapour. Avoid contact with skin

and eyes. Avoid splashing. Wear protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep frost-free, in a cool, dry and well-ventilated place. Keep away from oxidizing agents. Keep

away from food, drink and animal feedingstuffs.

Recommended packaging : Keep only in the original container.

Non recommended

: PE and PP.

packaging

7.3. Specific end use(s)

Use : Use only as directed. Do not mix with other products.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

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Occupational exposure limits

: Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name	Country	TWA 8 hour	STEL 15 min	Comments	Source
		(mg/m3)	(mg/m3)		
Hydrocarbons, C14-18, n-alkanes,		1200	-		CEFIC-HSPA
isoalkanes, cyclics, aromatics (2-30%)					
Hydrocarbons, C11-14, n-alkanes,	Ĭ	1200	-		CEFIC-HSPA
isoalkanes, cyclics, aromatics (2-25%)					
2-Ethylhexyl nitrate		7,16	7,16	IUCLID	
2-Ethylhexan-1-ol		5,42	-	-	SCOEL (2011)
Hydrocarbons, C10, aromatics, <1%	Ī	100	-	CEFIC-HSPA	
naphthalene					

Derived no-effect level (DNEL) for workers:

Chemical name	Route of	DNEL, short-term		DNEL, long-term	
	exposure				
	,	Local effect	Systemic effect	Local effect	Systemic effect
2-Ethylhexyl nitrate	Dermal				1 mg/kg bw/day
	Inhalation				0,35 mg/m3
2-Ethylhexan-1-ol	Inhalation	106,4 mg/m3			53,2 mg/m3
	Dermal				23 mg/kg bw/day
Hydrocarbons, C10, aromatics, <1% naphthalene	Dermal				12,5 mg/kg bw/day
	Inhalation				151 mg/m3

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of	DNEL, short-t	erm	DNEL, long-te	rm
	exposure				
		Local effect	Systemic effect	Local effect	Systemic effect
2-Ethylhexyl nitrate	Dermal				0,52 mg/kg bw/day
	Inhalation	İ	İ		0,087 mg/m3
	Oral	İ			0,025 mg/kg bw/day
2-Ethylhexan-1-ol	Inhalation	53,2 mg/m3			2,3 mg/m3
	Dermal				11,4 mg/kg bw/day
	Oral	İ			1,1 mg/kg bw/day
Hydrocarbons, C10, aromatics, <1% naphthalene	Oral				7,5 mg/kg bw/day
·	Inhalation				32 mg/m3
	Dermal				7,5 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
2-Ethylhexyl nitrate	Water	0,0008 mg/l	0,00008 mg/l	
	Sediment	0,00074 mg/kg	0,00074 mg/kg	
	STP			10 mg/l
	Soil			0,000191 mg/kg
2-Ethylhexan-1-ol	Water	0,017 mg/l	0,0017 mg/l	
	Sediment	0,28 mg/kg	0,028 mg/kg	
	Intermittent water			0,17 mg/l
	STP			10 mg/l
	Soil			0,047 mg/kg
	Oral			55 mg/kg food

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8.2. Exposure controls

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with

chemicals.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

Body protection : Use of specific protective industrial clothing is not required under normal conditions of use. In

case of large scale exposure wear suitable protective clothing, overalls or suit, and similar boots.

Suitable material: nitril. Indication of permeation breakthrough time: 6 hours.

Respiratory protection : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale

exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance

with EN 140.

Hand protection : Under normal conditions of use specific gloves are not required. Wear appropriate gloves in case of

frequent or prolonged use and in case of large scale exposure. Suitable material: nitril. ± 0,5 mm.

Indication of permeation breakthrough time: 6 hours.

Eye protection : Wear appropriate safety glasses when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state : Liquid.
Colour : Light brown.
Odour : Characteristic.
Odour threshold : Not known.

pH : Not applicable. Waterfree product.

Solubility in water : Not soluble.

Partition coefficient (n-oc- : No

tanol/water)

: Not applicable. Not measured. Not relevant for mixtures.

Flash point : > 60 °C

Flammability (solid, gas) : Not applicable. Liquid. See flashpoint.

Auto ignition temperature : > 215 °C Boiling point/boiling range : > 100 °C Melting point/melting range : < -20 °C

Explosive properties : Not an explosive.

Explosion limits (% in air) : Not known. Lower explosion limit in air (%): 0,6 (Hydrocarbons, C14-18, n-alkanes,

isoalkanes, cyclics, aromatics (2-30%))

Upper explosion limit in air (%): 9,7 (2-Ethylhexan-1-ol)

Oxidising properties : Not applicable. Does not contain oxidizing substances.

Decomposition temperature: Not applicable.

Viscosity (20°C): Not known.

Viscosity (40°C): < 20,5 mm2/sec

Vapour pressure (20°C): Not known.

Relative vapour density : > 1 (air = 1)

Relative density (20°C) : 0,8 g/ml

Particle characteristics : Not applicable. Liquid.

9.2. Other information

Evaporation rate : <1 (n-butyl acetate = 1)

SECTION 10 STABILITY AND REACTIVITY

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Reactivity

10.1. Reactivity

: See sub-sections below.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

: No other hazardous reactions known. Reactivity

10.4. Conditions to avoid

Conditions to avoid : Risk of explosion if heated under confinement. See section 7.

10.5. Incompatible materials

Materials to avoid : Keep away from oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition : Not known.

products

SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological research has been carried out on this product.

Inhalation

: Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: < 1 %. ATE: > 5 mg/l. Low toxicity. Not Acute toxicity

classified - based on available data, the classification criteria are not met. May cause headache,

dizziness and a feeling of sickness.

Corrosion/irritation Not classified - based on available data, the classification criteria are not met.

Sensitisation

Does not contain substances classified as respiratory sensitiser. Not classified - based on available

data, the classification criteria are not met.

: Not expected to be carcinogenic. Not classified - based on available data, the classification criteria Carcinogenicity

are not met.

Mutagenicity Does not contain mutagenic substances. Not classified - based on available data, the classification

criteria are not met.

Skin contact

: Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Acute toxicity

Low toxicity. Not classified - based on available data, the classification criteria are not met.

Corrosion/irritation : Slight irritation possible. Repeated exposure may cause skin dryness or cracking. Prolonged

contact may dry out and defat the skin. Not classified - based on available data, the classification

criteria are not met.

Sensitisation Does not contain skin sensitisers. Not classified - based on available data, the classification criteria

are not met.

Mutagenicity Does not contain mutagenic substances. Not classified - based on available data, the classification

criteria are not met.

Eve contact

Corrosion/irritation Slight irritation possible. Not classified - based on available data, the classification criteria are not

met

Ingestion

Acute toxicity : Calculated LD50: > 2420 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw.

Low toxicity. Not classified - based on available data, the classification criteria are not met.

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Aspiration : Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can

be fatal. If swallowed, if any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility: fever greater than 38.3° C, shortness of breath,

chest congestion or continued coughing or wheezing.

Corrosion/irritation : May cause a feeling of sickness, stomachache, vomiting and diarrhoea.

Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria

are not met.

Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification

criteria are not met.

Reprotoxicity : Development: Not expected to be reprotoxic. Development: Not classified - Based on available

data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not

classified - based on available data, the classification criteria are not met.

Toxicological information:

Hydrocarbons, C14-18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%) Eye irritation - estimate Not genotoxic 1008 mg/kg bw/d Read across Rat NOAEL (inhalation) - estimate NOAEL (dermal) - estimate Skin irritation - estimate NoEL (carcinogenicity) - estimate LD50 (oral) - estimate LD50 (dermal) - estimate RoAEL (fertility) - estimate LD50 (dermal) - estimate RoAEL (fertility) - estimate LD50 (dermal) - estimate LD50 (dermal) - estimate LD50 (dermal) - estimate LD50 (dermal) - estimate LD50 (dermal) - estimate LD50 (dermal) - estimate LD50 (dermal) - estimate LD50 (dermal) - estimate LD50 (dermal) - estimate NOAEL (development) - estimate NO	Chemical name	Property		Method	Test animal
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estimate LD50 (dermal) - estimate NOAEL (fertility) - estimate NOAEL (development) - estimate NOAEL (development) - estimate Skin sensitisation - estimate Skin sensitisation - estimate LC50 (inhalation) - estimate LD50 (dermal) - estimate LC50 (dermal) - estimate LD50 (dermal) - estimate NOAEL (fertility) - estimate LD50 (dermal) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate			, ,	Read across	l l
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NOAEL (fertility) - estimate NOAEL (development) - estimate NOAEL (development) - estimate Skin sensitisation - estimate LC50 (inhalation) - estimate LD50 (dermal) - estimate NOAEL (fertility) - estimate LD50 (dermal) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate					
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- estimate Skin sensitisation - estimate LC50 (inhalation) - isoalkanes, cyclics, aromatics (2-25%) LD50 (dermal) - estimate Not sensitizing Read across Rat Example Skin sensitisation - estimate LC50 (inhalation) - estimate LD50 (dermal) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate		1			
- estimate Skin sensitisation - estimate LC50 (inhalation) - isoalkanes, cyclics, aromatics (2-25%) LD50 (dermal) - estimate Not sensitizing Read across Rat - estimate LD50 (dermal) - estimate NOAEL (fertility) - estimate Not sensitizing Read across Rat - estimate Read across Rat - estimate Read across Rat - estimate Read across Rat		NOAEL (development)	1000 mg/kg.d	Read across	
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) estimate LD50 (dermal) - estimate LD50 (dermal) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate		1			
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) estimate LD50 (dermal) - estimate LD50 (dermal) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate		Skin sensitisation -	Not sensitizina	Read across	
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) estimate LD50 (dermal) - estimate NOAEL (fertility) - estimate NOAEL (fertility) - estimate					
isoalkanes, cyclics, aromatics (2-25%) estimate LD50 (dermal) - estimate NOAEL (fertility) - estimate > 2200 mg/kg.d Read across Rat	Hvdrocarbons. C11-14. n-alkanes.	1	> 82000 ma/m3	Read across	Rat
LD50 (dermal) - > 3400 mg/kg bw Read across Rat estimate NOAEL (fertility) - > 2200 mg/kg.d Read across estimate	1 -				
estimate NOAEL (fertility) - > 2200 mg/kg.d Read across estimate	, , , , , , , , , , , , , , , , , , , ,	1	> 3400 ma/ka bw	Read across	Rat
estimate		1 '			
estimate		NOAEL (fertility) -	> 2200 ma/ka.d	Read across	
		1			
Skin sensitisation - Not sensitizing Read across		Skin sensitisation -	Not sensitizina	Read across	
estimate					
LD50 (oral) - estimate > 15000 mg/kg bw Read across Rat			> 15000 ma/ka bw	Read across	Rat
NOEL (carcinogenicity) 138 mg/kg.d Read across Rabbit					
- estimate					
NOAEL (dermal) - 116 mg/kg bw/d Read across Rat		1	116 ma/ka bw/d	Read across	Rat
estimate					
NOAEL (inhalation) - 3950 mg/m3 Read across Rat		1	3950 mg/m3	Read across	Rat
estimate		, ,			
Mutagenicity - estimate Negative Read across Salmonella typhimurium			Negative	Read across	Salmonella typhimurium
Genotoxicity - estimate Not genotoxic Read across		, ,	, ,		7,

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	Skin irritation - estimate	Non-irritant	Read across	Rabbit
	Eye irritation - estimate	Non-irritant	Read across	Rabbit
	NOAEL (development)	1000 mg/kg.d	Read across	
	- estimate			
2-Ethylhexyl nitrate	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	Genotoxicity - in vitro	Not genotoxic	OECD 473	
	LD50 (oral)	> 9640 mg/kg bw	OECD 401	Rat
	LD50 (dermal)	> 4820 mg/kg bw		Rabbit
	LC50 (inhalation)	> 14000 mg/m3	OECD 403	Rat
	NOAEL (inhalation)	42 mg/m3		
	Skin irritation	Non-irritant	OECD 404	Rabbit
	Eye irritation	Non-irritant	OECD 405	Rabbit
	LD50 (dermal) -	1100 mg/kg bw		
	estimate			
	LC50 (inhalation) -	1500 mg/m3		
	estimate			
	LD50 (oral) - estimate	500 mg/kg bw		
Hydrocarbons, C10, aromatics, <1%	LD50 (oral)	> 2000 mg/kg bw		Rat
naphthalene				
	LD50 (dermal)	> 2000 mg/kg bw		Rat
	Skin sensitisation	Not sensitizing		
	Skin irritation	Moderately irritant		
	Eye irritation	Moderately irritant		
	Respiratory irritation	Irritant		
	LC50 (inhalation) -	> 5000 mg/m3		
	estimate			
	Mutagenicity - estimate	Not mutagenic	Read across	Salmonella typhimurium

11.2. Information on other hazards

Endocrine disrupting

: Not applicable.

properties

Other information : Not applicable.

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Harmful to aquatic organisms. Calculated LC50 (fish): 6 mg/l. Calculated EC50 (waterflea): 12 mg/

I. Contains 0 % of components with unknown hazards to the aquatic environment. May form an oil film on the water surface causing a decline in oxygen content with possible adverse effects for

aquatic organisms.

12.2. Persistence and degradability

Persistence - degradability: May cause long-term adverse effects in the aquatic environment.

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : Adsorbs to soil and has low mobility. Floats on water.

12.6. Endocrine disrupting properties

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Endocrine disrupting properties

: Not applicable.

12.7. Other adverse effects

Other adverse effects : Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
Hydrocarbons, C11-14, n-alkanes,	LC50 (fish) - estimate	> 10 mg/l	OECD 203	
isoalkanes, cyclics, aromatics (2-25%)				
	EC50 (waterflea) -	> 10 mg/l	OECD 202	
	estimate			
	IC50 (algea) - estimate	4,1 mg/l	OECD 201	
	NOEC (fish) - estimate	0,13 mg/l.d		
	NOEC (daphnids) -	0,328 mg/l.d	OECD 211	
	estimate			
	Ultimate aerobic	74 %	Read across	
	biodegradation (%)			
2-Ethylhexyl nitrate	LC50 (fish)	2 mg/l	OECD 203	Brachydanio rerio
	IC50 (algea)	3,26 mg/l	OECD 201	Pseudokirchnerella
				subcapitata
	NOEC (fish)	1,52 mg/l		Brachydanio rerio
	EC50 (waterflea)	> 12,6 mg/l	OECD 202	Daphnia magna
	Ultimate aerobic	0 %		
	biodegradation (%)			
	Log P(ow)	4,1400		
Hydrocarbons, C10, aromatics, <1%	LC50 (fish)	> 1 mg/l		
naphthalene				
	EC50 (waterflea)	> 1 mg/l		
	Ultimate aerobic	49,6 %	OECD 301 F	
	biodegradation (%)			
	Log P(ow)	4		
	BCF	< 100		

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat

product residues and non-empty pack as hazardous waste.

Additional warning : None.

Waste water discharge : Do not dispose of into the environment, drains, sewers or water courses.

European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a

waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Local regulations may be more stringent than regional or national requirements and must be

complied with.

SECTION 14 TRANSPORT INFORMATION

14.1. UN number or ID number

UN nr. : None.

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14.2. UN proper shipping name

Transport name : Not regulated.

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : This product is not classified according to ADR/RID/ADN.

IMDG (sea)

Class : This product is not classified according to IMDG.

Marine pollutant : No

IATA (air)

Class : This product is not classified according to IATA.

14.6. Special precautions for user

Other information : Country specific variations may apply.

14.7. Maritime transport in bulk according to IMO instruments

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO)

instruments. Packaged liquids are not considered bulk.

SECTION 15 REGULATORY INFORMATION

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

Community regulations : Regulation (EU) No 2020/878 (REACH), Regulation (EC) No 1272/2008 (CLP) and other

regulations.

15.2. Chemical safety assessment

Chemical safety : Not applicable.

assessment

SECTION 16 OTHER INFORMATION

16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2020/878 dated 18 June 2020 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE : Acute Toxicity Estimate

CLP : Classification, Labeling & Packaging

CMR : Carcinogenic, Mutagenic or toxic for Reproduction

EEC : European Economic Community

GHS : Globally Harmonized System of Classification and Labelling of Chemicals

IATA : International Air Transport Association

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IBC code : International Bulk Chemical Code

IMDG : International Maritime Dangerous Goods Code LD50/LC50 : Lethal Dose/Concentration for 50% of a population

MAC : Maximum Allowable Concentration

MARPOL : International Convention for the Prevention of Pollution From Ships

NO(A)EL : No Observed (Adverse) Effect Level

OECD : Organisation for Economic Co-operation and Development

PBT : Persistent, Bioaccumulative and Toxic

PC : Chemical product category

PT : Product type

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulations concerning the International Carriage of Dangerous Goods by Rail

STP : Sewage Treatment Plant

SU : Sector of Use

TWA/STEL : Time-Weighted Average/Short Term Exposure Limit

UN : United Nations

UFI : Unique formula identifier
VOC : Volatile Organic Compounds

vPvB : Very Persistent and Very Bioaccumulative

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

Asp. Tox. 1 : On basis of test data. Calculation method.

Aquatic Chronic 3 : Calculation method.

Full text of hazard classes mentioned in section 3:

Acute Tox. 4 : Acute toxicity, category 4. Skin Irrit. 2 : Skin irritation, category 2. Eye Irrit. 2 : Eye irritation, category 2.

STOT SE 3 : Specific target organ toxicity after single exposure, category 3.

Asp. Tox. 1 : Aspiration hazard, category 1.

Aquatic Chronic 2 : Hazardous to the aquatic environment — Chronic category 2.

Aquatic Chronic 3 : Hazardous to the aquatic environment — Chronic category 3.

Full text of H-phrases mentioned in section 3:

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.
H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH044 Risk of explosion if heated under confinement.

EUH066 Repeated exposure may cause skin dryness or cracking.

Advice on any training appropriate for workers: none.

Number format : "," used as decimal separator.

End of safety data sheet.

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