



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

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

1.1. Product identifier

Product name : SHELL DIESEL SYSTEM CLEANER
Product code : CRX584, BT84I

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

Application : SU21 Consumer product. PC35 Cleaning agent. PC0 Other. Car maintenance.

1.3. Details of the supplier of the safety data sheet

Supplier : Kemetyl Polska Sp. z o. o.
Al. Jerozolimskie 146, Budynek C
02-305 Warszawa, Poland
Telephone : +48 22 822 5390
E-mail : msds@kemetyl.com
Website : www.kemetyl.com

1.4. Emergency telephone number

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

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

EMERGENCY TELEPHONE NUMBER (for DOCTORS only):

National Poisons Information Service +44 344 892 0111 (24/7)

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP classification : Skin irritation, category 2. Aspiration hazard, category 1. Hazardous to the aquatic environment —
(1272/2008/EC) Chronic category 2.

Human health hazards : May be fatal if swallowed and enters airways. Causes skin irritation.

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

Environmental hazards : Toxic 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.
	: H315	Causes skin irritation.
	: H411	Toxic to aquatic life with long lasting effects.
	: EUH044	Risk of explosion if heated under confinement.
	: P101	If medical advice is needed, have product container or label at hand.
	: P102	Keep out of reach of children.



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.
P273	Avoid release to the environment.
P391	Collect spillage.
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.
	EUH044	Risk of explosion if heated under confinement.
	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, C11-14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) ;
Hydrocarbons, C14-18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%) ; Solvent naphtha
(petroleum), heavy arom. .

Ingredient declaration according to Regulation 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.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	25 - < 50	----	925-653-7		01-2119458869-15
Hydrocarbons, C14-18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)	25 - < 50	----	920-360-0		01-2119448343-41
2-Ethylhexyl nitrate	10 - < 25	27247-96-7	248-363-6		
Solvent naphtha (petroleum), heavy arom.	5 - < 10	64742-94-5	265-198-5		

Product name : Shell Diesel System Cleaner

Date of issue : 08-06-2018

Replaces issue dated : ---

Page 2/13

INFO CARE SDS



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

2-Ethylhexan-1-ol	1 - < 5	104-76-7	203-234-3		
-------------------	---------	----------	-----------	--	--

Substance name	Hazard Class	H-phrases	Pictograms	
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Asp. Tox. 1; Aquatic Chronic 3	H304; H412; EUH066	GHS08; GHS09	
Hydrocarbons, C14-18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)	Asp. Tox. 1	H304; EUH066	GHS08	
2-Ethylhexyl nitrate	Acute Tox. 4; Aquatic Chronic 2	H302; H312; H332; H411; EUH044; EUH066	GHS07; GHS09	
Solvent naphtha (petroleum), heavy arom.	Asp. Tox. 1; Skin Irrit. 2; STOT SE 3; Aquatic Chronic 2	H304; H315; H336; H411	GHS07; GHS08; GHS09	
2-Ethylhexan-1-ol	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3	H315; H319; H332; H335	GHS07	

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

4.1. Description of first aid measures

First aid measures

- Inhalation : Move victim into fresh air. Consult a doctor if victim feels unwell.
- 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 soup spoons 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 : Irritant. May cause redness. 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



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

Special exposure hazards : None known.
Hazardous thermal decomposition products : Nitrogen oxide. 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 in a cool, dry and well-ventilated place (< 35 °C). Keep away from oxidizing agents. Keep away from food, drink and animal feedingstuffs.
Recommended packaging : Keep only in the original container.
Non recommended packaging : PE and PP.

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



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

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 (mg/m ³)	STEL 15 min (mg/m ³)	Comments	Source
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	EC	1200	-	IUCLID CEFIC-HSPA SCOEL (2011)	CEFIC-HSPA
Hydrocarbons, C14-18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)		1200	-		CEFIC-HSPA
2-Ethylhexyl nitrate		7,16	7,16		
Solvent naphtha (petroleum), heavy arom.		100	-		
2-Ethylhexan-1-ol		5,42	-		
Naphthalene		50	-		

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
2-Ethylhexyl nitrate	Dermal				1 mg/kg bw/day
	Inhalation				0,35 mg/m ³
2-Ethylhexan-1-ol	Dermal				23 mg/kg bw/day
	Inhalation	106,4 mg/m ³			53,2 mg/m ³

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
2-Ethylhexyl nitrate	Dermal				0,52 mg/kg bw/day
	Inhalation				0,087 mg/m ³
	Oral				0,025 mg/kg bw/day
2-Ethylhexan-1-ol	Dermal				11,4 mg/kg bw/day
	Inhalation	53,2 mg/m ³			2,3 mg/m ³
	Oral				1,1 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	10 mg/l 0,000191 mg/kg
	Sediment	0,00074 mg/kg	0,00074 mg/kg	
	STP			
	Soil			
2-Ethylhexan-1-ol	Water	0,017 mg/l	0,0017 mg/l	0,17 mg/l 10 mg/l 0,047 mg/kg 55 mg/kg food
	Sediment	0,28 mg/kg	0,028 mg/kg	
	Intermittent water			
	STP			
	Soil			
	Oral			

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:



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

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 for momentary use. Wear suitable protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345 in case of frequent or prolonged use and in case of large scale exposure. Suitable material: PVC. Indication of permeation breakthrough time: 4 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 : Wear appropriate safety gloves in accordance with EN 374. Suitable material: PVC. 0,8 mm. Indication of permeation breakthrough time: 4 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

Appearance	: Liquid.	
Colour	: Light brown.	
Odour	: Characteristic.	
Odour threshold	: Not known.	
pH	: Not applicable.	Waterfree product.
Solubility in water	: Not soluble.	
Partition coefficient (n-octanol/water)	: Not applicable.	
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	: None known.	Does not contain explosives.
Explosion limits (% in air)	: Not known.	Lower explosion limit in air (%): 0,6 (Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))
		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 mm ² /sec	
Vapour pressure (20°C)	: Not known.	
Vapour density (20°C)	: > 1	(air = 1)
Relative density (20°C)	: 0,8 g/ml	
Evaporation rate	: < 1	(n-butyl acetate = 1)

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

- Reactivity : See sub-sections below.



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

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 products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No toxicological research has been carried out on this product.

Inhalation

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

Skin contact

- Acute toxicity : Calculated LD50: > 5000 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.
- Corrosion/irritation : Irritant. May cause redness. Prolonged contact may dry out and defat the skin.
- 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.

Eye contact

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

Ingestion

- Acute toxicity : Calculated LD50: > 2222 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.
- 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.



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

- 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:

Chemical name	Property		Method	Test animal
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	LC50 (inhalation) - estimate	> 82000 mg/m3	Read across	Rat
	LD50 (dermal) - estimate	> 3400 mg/kg bw	Read across	Rat
	NOAEL (fertility) - estimate	> 2200 mg/kg.d	Read across	
	Skin sensitisation - estimate	Not sensitizing	Read across	
	LD50 (oral) - estimate	> 15000 mg/kg bw	Read across	Rat
	NOEL (carcinogenicity) - estimate	138 mg/kg.d	Read across	Rabbit
	NOAEL (dermal) - estimate	116 mg/kg bw/d	Read across	Rat
	NOAEL (inhalation) - estimate	3950 mg/m3	Read across	Rat
	Mutagenicity - estimate	Negative	Read across	Salmonella typhimurium
	Genotoxicity - estimate	Not genotoxic	Read across	
	Skin irritation - estimate	Non-irritant	Read across	Rabbit
	Eye irritation - estimate	Non-irritant	Read across	Rabbit
	NOAEL (development) - estimate	1000 mg/kg.d	Read across	
	Eye irritation - estimate	Non-irritant	Read across	
Hydrocarbons, C14-18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)	Genotoxicity - estimate	Not genotoxic	Read across	
	NOAEL (oral) - estimate	1008 mg/kg bw/d	Read across	Rat
	NOAEL (inhalation) - estimate	30000 mg/m3	Read across	Rat
	NOAEL (dermal) - estimate	1000 mg/kg bw/d	Read across	Rat
	Skin irritation - estimate	Non-irritant	Read across	
	Mutagenicity - estimate	Negative	Read across	Salmonella typhimurium
	NOEL (carcinogenicity) - estimate	Not carcinogenic	Read across	
	LD50 (oral) - estimate	> 4150 mg/kg bw	Read across	Rat
	LC50 (inhalation) - estimate	> 5280 mg/m3	Read across	Rat
	LD50 (dermal) - estimate	> 1700 mg/kg bw	Read across	Rat
	NOAEL (fertility) - estimate	> 2000 mg/kg.d	Read across	
	NOAEL (development) - estimate	1000 mg/kg.d	Read across	



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

Solvent naphtha (petroleum), heavy arom.	Skin sensitisation - estimate	Not sensitizing	Read across	
	Skin irritation	Irritant		-----
2-Ethylhexan-1-ol	Eye irritation - estimate	Mildly irritant	Read across	Rabbit
	LD50 (dermal) - estimate	> 2000 mg/kg bw	Read across	Rabbit
	Skin sensitisation - estimate	Not sensitizing	Read across	Guinea pig
	LD50 (oral) - estimate	> 5000 mg/kg bw	Read across	Rat
	LC50 (inhalation) - estimate	> 5280 mg/m3	Read across	Rat
	Skin irritation - estimate	Moderately irritant	Read across	Rabbit
	NOAEL (oral) - estimate	750 mg/kg bw/d	Read across	Rat
	NOAEL (inhalation) - estimate	> 1000 mg/m3	Read across	Rat
	NOAEL (dermal) - estimate	495 mg/kg bw/d	Read across	Rat
	Mutagenicity - estimate	Negative	Read across	Salmonella typhimurium
	Genotoxicity - estimate	Not genotoxic	Read across	
	NOAEL (fertility) - estimate	750 mg/kg.d	Read across	Rat
	NOAEL (development) - estimate	1000 mg/kg.d	Read across	Rat
	NOAEL (oral)	250 mg/kg bw/d	OECD 408	Rat
	LD50 (oral)	3290 mg/kg bw	OECD 401	Rat
	LC50 (inhalation)	> 890 mg/m3	OECD 403	Rat
	Skin irritation	Highly irritant	OECD 404	Rabbit
	Eye irritation	Irritant	OECD 405	Rabbit
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	NOAEL (inhalation)	634,8 mg/m3	OECD 413	Rat
	Genotoxicity - in vitro	Not genotoxic	OECD 476	Mouse
	NOAEL (developmental toxicity, dermal)	2520 mg/kg bw/d	OECD 414	Rat
	NOAEL (development, oral)	650 mg/kg bw/d	OECD 414	Rat
	NOAEL (developmental toxicity, inh.)	850 mg/m3	OECD 414	Rat
	NOEL (carcinogenicity, oral)	> 500 mg/kg bw/d	OECD 451	Rat
	LD50 (dermal)	> 3000 mg/kg bw	OECD 402	Rat

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Toxic to aquatic organisms. Calculated LC50 (fish): 6 mg/l. Calculated EC50 (waterflea): 9 mg/l. 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



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

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.

12.5. Results of PBT and vPvB ass

PBT/vPvB assessment : Does not contain PBT or vPvB substances.

12.6. Other adverse effects

Other information : Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
2-Ethylhexyl nitrate Solvent naphtha (petroleum), heavy arom.	LC50 (fish)	2 mg/l	OECD 203	Brachydanio rerio
	EC50 (waterflea)	> 12,6 mg/l	OECD 202	Daphnia magna
	LC50 (alga)	3,26 mg/l	OECD 201	Pseudokirchnerella subcapitata
	Ultimate aerobic biodegradation (%)	0 %		
	NOEC (fish)	1,52 mg/l		Brachydanio rerio
	Log P(ow)	4,1400		
	LC50 (fish)	2 mg/l	OECD 203	Oncorhynchus mykiss
	EC50 (waterflea)	1,4 mg/l	OECD 202	Daphnia magna
	LC50 (alga)	1 mg/l	OECD 201	Pseudokirchnerella subcapitata
	NOEC (waterflea) - chronic	0,48 mg/l.d	OECD 211	Daphnia magna
	Log P(ow)	3,0000		
	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 into the environment, in drains or in 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

UN nr. : UN 3082



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

14.2. UN proper shipping name

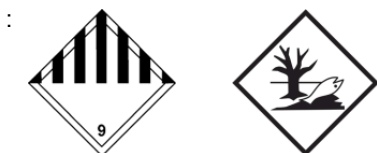
Transport name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Ethylhexyl nitrate ; Solvent naphtha (petroleum), heavy arom.)

Transport name (IMDG, IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Ethylhexyl nitrate ; Solvent naphtha (petroleum), heavy arom.)

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

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

Class : 9
Classification code : M6
Packaging group : III
Danger label : 9 + the "environmentally hazardous substance" mark.
Tunnel restriction code : C/D



Other information : Not intended for carriage by tank-vessels on inland waterways. This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 (Special provisions 375).

IMDG (sea)

Class : 9
Packaging group : III
EmS (fire / spill) : F - A / S - F
Marine pollutant : Yes
Other information : This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 (IMDG code 37-14, 2.10.2.7).

IATA (air)

Class : 9

14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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 2015/830 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations.

15.2. Chemical safety assessment



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

Chemical safety assessment : Not applicable.

SECTION 16 OTHER INFORMATION

16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2015/830 dated 28 May 2015 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
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
VOC	: Volatile Organic Compounds
vPvB	: Very Persistent and Very Bioaccumulative

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

Skin Irrit. 2	: Calculation method.
Asp. Tox. 1	: On basis of test data. Calculation method.
Aquatic Chronic 2	: 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.



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

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.

Number format : ", " used as decimal separator.

End of safety data sheet.

Print date : 20-03-2019