



Kemetyl

Safety data sheet

According to Regulation (EU) No 830/2015

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

1.1. Product identifier

Product name : SHELL CONTACT SPRAY
Product code : TR-004 - k

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

Application : SU21 Consumer product PC35 Cleaning agent Car maintenance

1.3. Details of the supplier of the safety data sheet

Supplier : Kemetyl Kimya Sanayi ve Ticaret Limited Sirketi
Küçükbakkalköy Mah. Dereboyu Cad. Brandium AVYM R5
Blok D:82 Ataşehir / Istanbul, Turkey
Telephone : +908503030587
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 : +908503030587

(During office hours only)

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (99/45/EC) : Reprotoxic category 3. Harmful. Irritant. Extremely flammable. Dangerous for the environment.
CLP classification (1272/2008/EC) : Aerosols, category 1. Skin irritation, category 2. Eye irritation, category 2. Aspiration hazard, category 1. Specific target organ toxicity after single exposure, category 3. Specific target organ toxicity — repeated exposure, category 2. Reproductive toxicity, category 2. Hazardous to the aquatic environment — Chronic category 3.
Human health hazards : May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May cause damage to the central nervous system through prolonged or repeated exposure via inhalation. Possible risk of impaired fertility. Exposure to high vapour concentrations may result in a narcotic effect. Use only as directed. Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
Physical/chemical hazards : Extremely flammable. Keep away from sources of ignition — No smoking. Do not spray on a naked flame or any incandescent material. Do not spray near fire, sources of heat or live electrical equipment. Aerosol may explode from internal pressure build-up when exposed to temperatures exceeding 50 °C.
Environmental hazards : Harmful to aquatic life with long lasting effects.
Other information : Keep out of the reach of children. Wear suitable protective clothing and gloves. Caution: Do not breathe spray. Use only in well-ventilated areas. Spray in short intervals for a short period only. Ventilate well after use. Harmful to house pets.

2.2. Label elements

Label elements (1272/2008/EC):



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Hazard pictograms :



Signal word : Danger

H- and P-phrases :

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373 cns inh	May cause damage to the central nervous system through prolonged or repeated exposure via inhalation.
H412	Harmful to aquatic life with long lasting effects.
H361	Suspected of damaging fertility or the unborn child.
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P251	Do not pierce or burn, even after use.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P261 spray	Avoid breathing spray.
P271	Use only outdoors or in a well-ventilated area.
P281	Use personal protective equipment as required.
P302 + P352	IF ON SKIN: Wash with plenty of water/soap.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P403	Store in a well-ventilated place.
P273	Avoid release to the environment.
P501	Dispose of contents/container to an approved waste disposal plant.

Additional labelling

: Contains: Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich
: Where the mixture is labelled in accordance with Regulation (EC) No 1272/2008 (CLP) the packaging shall (also) carry the text: Contains: Acetone Propan-2-ol

Ingredient declaration according to Regulation 648/2004:

Contains:	Concentration (%)
Aliphatic hydrocarbons	> 30

Other information : According to Regulation (EC) No 1272/2008, the packaging of this product shall carry a tactile warning of danger.

2.3. Other hazards

Other information : The classification of this product is based on the non-aerosolised form of the mixture (on basis of section 1.1.3.7. of Regulation (EC) No 1272/2008). Does not contain PBT or vPvB substances.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Product name : Shell Contact Spray

Date of issue : 23-03-2015

Replaces issue dated : ---

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3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Symbols	R-phrases
Butane	25 - 50	106-97-8	203-448-7	F+	12
Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich	20 - < 25	-----	925-292-5	Xn; F; N	11-48/20-38-62-65-67-51/53
Acetone	15 - < 20	67-64-1	200-662-2	F; Xi	11-36-66-67
Propan-2-ol	15 - < 20	67-63-0	200-661-7	F; Xi	11-36-67
Isobutane	10 - < 20	75-28-5	200-857-2	F+	12
Propane	5 - < 10	74-98-6	200-827-9	F+	12
2-Methylbutane	0,1 - < 1	78-78-4	201-142-8	F+; Xn; N	12-51/53-65-66-67
Propene	0,1 - < 1	115-07-1	204-062-1	F+	12
Ethane	0,1 - < 1	74-84-0	200-814-8	F+	12

Reference is made to chapter 16 for full text of each relevant R phrase. Substance(s) with an Occupational Exposure Limit are marked with #. Occupational exposure limit(s) are listed in section 8.

Substance name	REACH nr.	Hazard Class	Pictograms	H-phrases
Butane	01-2119474691-32	Flam. Gas 1; Press. Gas	GHS02; GHS04	H220; H280
Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich	01-2119474209-33	Flam. Liq. 2; Asp. Tox. 1; Skin Irrit. 2; STOT SE 3; Aquatic Chronic 2; Repr. 2; STOT RE 2	GHS02; GHS07; GHS08; GHS09	H225; H315; H304; H361; H336; H373; H411
Acetone	01-2119471330-49	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3	GHS02; GHS07	H225; H319; H336; EUH066
Propan-2-ol	01-2119457558-25	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3	GHS02; GHS07	H225; H319; H336
Isobutane	01-2119485395-27	Flam. Gas 1; Press. Gas	GHS02; GHS04	H220; H280
Propane	01-2119486944-21	Flam. Gas 1; Press. Gas	GHS02; GHS04	H220; H280
2-Methylbutane	01-2119475602-38	Flam. Liq. 2; Asp. Tox. 1; STOT SE 3; Aquatic Chronic 2	GHS02; GHS08; GHS07; GHS09	H225; H304; H336; H411; EUH066
Propene		Flam. Gas 1; Press. Gas	GHS02; GHS04	H220
Ethane	01-2119486765-21	Flam. Gas 1; Press. Gas	GHS02; GHS04	H220; H280

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 for at least 15 minutes. Remove contact lenses. Consult a doctor.



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Ingestion : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Give condensed milk or a knob of butter. 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, drowsiness, dizziness and a feeling of sickness. May cause irritation to respiratory airways and coughing.

Skin contact : Irritant. May cause dry skin and redness.

Eye contact : Irritant. May cause redness and pain.

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 FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Suitable : Carbondioxide (CO₂). Alcohol resistant foam. Dry chemical. Water fog.

Not suitable : Water jet.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards : Aerosol may explode from internal pressure build-up when exposed to temperatures exceeding 50 °C. Do not expose emergency personnel to overheated aerosol containers. Water may be used to cool container and prevent explosion of the aerosol.

Hazardous thermal decomposition products : Carbon monoxide may be evolved if incomplete combustion occurs.

5.3. Advice for firefighters

Special protective equipment for fire-fighters : Fight a fire where aerosols are involved from a protected position. 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. Do not breathe vapours and/or spray. Keep away from sources of ignition — No smoking. Build up of highly flammable gasses involves an explosion risk. 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. 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

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Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Collect cans in an approved container. Do not pierce aerosols. Wash away remainder with plenty of water and soap.

6.4. Reference to other sections

Reference to other sections : For guidance on selection of personal protective equipment see section 8. For guidance on disposal of spilled material see section 13.

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. Important: Pressurized container; protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Keep away from sources of ignition — No smoking. Do not spray on a naked flame or any incandescent material. Do not spray near fire, sources of heat or live electrical equipment. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Do not breathe spray. 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 (< 35°), dry and well-ventilated place. Protect from sunlight and keep away from heat. Keep away from food, drink and animal feedingstuffs.

Recommended packaging : Not applicable.

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

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.

Occupational exposure limits (mg/m³):

Chemical name	Country	TWA 8 hour (mg/m ³)	STEL 15 min (mg/m ³)	Comments
Butane	GB	1450	1810	-
Butane		300	900	MAC RU
Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich	GB	72	-	-
Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich	EC	72	-	-
Acetone	GB	1210	3620	-
Acetone	EC	1210	-	-
Propan-2-ol	GB	999	1250	-
Isobutane		1900	2400	-
Propane		1800	-	-
2-Methylbutane	GB	1800	-	-
2-Methylbutane	EC	3000	-	-



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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
Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich	Dermal				13 mg/kg bw/day
Acetone	Inhalation Dermal	2420 mg/m3			93 mg/m3 186 mg/kg bw/day
Propan-2-ol	Inhalation Dermal				1210 mg/m3 888 mg/kg bw/day
	Inhalation				500 mg/m3

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
Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich	Dermal				7 mg/kg bw/day
Acetone	Inhalation Oral Dermal				20 mg/m3 6 mg/kg bw/day 62 mg/kg bw/day
Propan-2-ol	Inhalation Oral Dermal				200 mg/m3 62 mg/kg bw/day 319 mg/kg bw/day
	Inhalation Oral				89 mg/m3 26 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water		Marine water	
Acetone	Water	10,6 mg/l		1,06 mg/l	
	Sediment	30,4 mg/kg		3,04 mg/kg	
	Intermittent water				21 mg/l
	STP				100 mg/l
Propan-2-ol	Soil				29,5 mg/kg
	Water	140,9 mg/l		140,9 mg/l	
	Sediment	552 mg/kg		552 mg/kg	
	Intermittent water				140,9 mg/l
	STP				2251 mg/l
	Soil				28 mg/kg
	Oral				160 mg/kg food

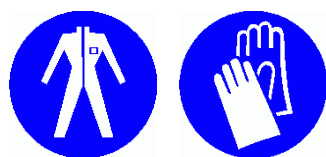
8.2. Exposure controls

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals. See Directive 2004/37/EG on the protection of workers from the risks related to exposure to carcinogens or mutagens at work.

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.





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- Body protection : Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: butyl. Indication of permeation breakthrough time: 1 hour.
- 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: butyl. $\pm 0,5$ mm. Indication of permeation breakthrough time: 1 hour.
- Eye protection : Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- Appearance : Aerosol.
- Colour : Colourless.
- Odour : Characteristic.
- Odour threshold : Not known.
- pH : Not applicable. Waterfree product.
- Solubility in water : Not known.
- Partition coefficient (n-octanol/water) : Not known.
- Flash point : Not applicable. Not measurable.
- Flammability (solid, gas) : Extremely flammable.
- Auto ignition temperature : Not applicable. Aerosol container explodes before reaching the auto-ignition point.
- Boiling point/boiling range : Not known. Not measurable.
- Melting point/melting range : Not known.
- Explosive properties : Pressurised container: May burst if heated.
- Explosion limits (in air) : Not known. Lower explosion limit in air (%): 1,2 (Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich)
Upper explosion limit in air (%): 13 Acetone
- Oxidising properties : Not applicable. Does not contain oxidizing substances.
- Decomposition temperature : Not applicable.
- Viscosity (20°C) : Not known.
- Viscosity (40°C) : Not known.
- Vapour pressure (20°C) : > 2300 Pa
- Vapour density (20°C) : > 1 (air = 1)
- Relative density (20°C) : 0,7 g/ml
- Evaporation rate : Not known. (n-butyl acetate = 1)

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

- Reactivity : See sub-sections below.

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



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Conditions to avoid : Keep away from sources of ignition and sources of heat. See section 7.

10.5. Incompatible materials

Materials to avoid : Not applicable.

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 damage to organs. Target organ(s): Central nervous system. Effect(s): Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, lightheadedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death.
- Chronic toxicity : Possibility of organ or organ system damage due to prolonged exposure. Target organ(s): Central nervous system. Effect: Repeated exposure affects the nervous system. May cause toxic encephalopathy.
- Corrosion/irritation : May cause irritation to respiratory airways and coughing. Not classified - based on available data, the classification criteria are not met.
- Sensitisation : Does not contain respiratory sensitisers. Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : 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 : Not classified - based on available data, the classification criteria are not met.

Eye contact

- Corrosion/irritation : Irritant.

Ingestion

- Acute toxicity : Aerosol/mist: Ingestion is unlikely to occur. Calculated LD50: > 1836 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. After ingestion, at vomiting, risk of aspiration in the lungs. May cause lung damage, sore throat and lack of breath. May cause bronchopneumonia.
- Corrosion/irritation : Aerosol/mist: Ingestion is unlikely to occur. May cause a feeling of sickness, stomachache, vomiting and diarrhoea. Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Aerosol/mist: Ingestion is unlikely to occur. Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Aerosol/mist: Ingestion is unlikely to occur. Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Toxicological information:



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Chemical name	Property		Method	Test animal
Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich	LD50 (dermal)	> 3350 mg/kg bw	OECD 402	Rabbit
	LD50 (oral)	> 16750 mg/kg bw	OECD 401	Rat
Acetone	LC50 (inhalation)	259354 mg/m3	OECD 403	Rat
	LC50 (inhalation)	50100 mg/m3		Rat
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	NOAEL (oral)	> 273 mg/kg bw/d		Rat
	Skin irritation	Mildly irritant	OECD 404	Rabbit
	Eye irritation	Moderately irritant		Rabbit
	LD50 (dermal)	> 15688 mg/kg bw		Rabbit
	Mutagenicity	Not mutagenic	-----	-----
	NOAEL (fertility, inh.)	Not reprotoxic		Mouse
	LD50 (oral)	5800 mg/kg bw	-----	Rat
	NOEL (carcinogenicity, inh.)	Not carcinogenic		
	NOEL (carcinogenicity, oral)	Not carcinogenic		
	NOAEL (developmental toxicity, inh.)	26500 mg/m3	OECD 414	Rat
	NOAEL (development) - estimate	900 mg/kg.d	-----	Rat
	NOEL (carcinogenicity, dermal)	Not carcinogenic	-----	Mouse
Propan-2-ol	LD50 (oral)	4396 mg/kg bw	-----	Rat
	LD50 (dermal)	12800 mg/kg bw	-----	Rat
	LC50 (inhalation)	46600 mg/m3	-----	Rat
	Skin irritation	Slightly irritant	OECD 404	Rabbit
	Eye irritation	Irritant	OECD 405	Rabbit
	NOAEL (fertility, oral)	407 mg/kg bw/d		Rat
	NOAEL (development, oral)	400 mg/kg bw/d		Rat
	NOEL (carcinogenicity, oral)	Not carcinogenic	OECD 416	Rat
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	Mutagenicity	Negative	OECD 471	
	NOAEL (inhalation)	12500 mg/m3	OECD 451	Rat
	Genotoxicity - in vivo	Not genotoxic	OECD 474	Mouse
	NOEL (carcinogenicity, inh.)	12500 mg/m3		Mouse
	Genotoxicity - in vitro	Not genotoxic	OECD 476	
	NOAEL (oral)	870 mg/kg bw/d	-----	Rat

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Calculated LC50 (fish): 56 mg/l. Calculated EC50 (waterflea): 7967 mg/l. Contains < 1 % of components with unknown hazards to the aquatic environment.

12.2. Persistence and degradability

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



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12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : Not applicable.

12.5. Results of PBT and vPvB assessment

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
Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich	LC50 (fish)	13,37 mg/l	QSAR	Oncorhynchus mykiss
	Log P(ow)	4		

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

- Product residues : Recyclable metal container. Do not puncture or burn even after use. 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 : Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums.
- 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 1950

14.2. UN proper shipping name

Transport name : AEROSOLS
Transport name (IMDG, IATA) : AEROSOLS

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

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

Class : 2
Classification code : 5F
Packaging group : -
Danger label : 2,1



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Other information : Not intended for carriage by inland waterways in tank-vessels.

IMDG (sea)

Class : 2
Packaging group : -
EmS (fire / spill) : F - D / S - U
Marine pollutant : No

IATA (air)

Class : 2

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 and the IBC Code

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

SECTION 15 REGULATORY INFORMATION

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

Community regulations : Regulation (EC) No 830/2015 (REACH), Regulation (EC) No 1272/2008 (CLP), 75/324/EEC (aerosols) and other regulations.
: In the UK it is recommended that all aerosols should be labelled on the back with the warning about the dangers of volatile solvent abuse. The label should contain the badge 'Solvent Abuse Can Kill Instantly' accompanied by the phrase 'Use only as directed'.

15.2. Chemical safety assessment

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 (EC) No 830/2015 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 (*).

Full text of R-phrases mentioned in section 3:

R11 Highly flammable.



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R12	Extremely flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Full text of H-phrases mentioned in section 3:

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Full text of hazard classes mentioned in section 3:

Flam. Gas 1	: Flammable gas, category 1.
Press. Gas	: Compressed gas.
Flam. Liq. 2	: Flammable liquid, category 2.
Skin Irrit. 2	: Skin irritation, category 2.
Eye Irrit. 2	: Eye irritation, category 2.
Repr. 2	: Reproductive toxicity, category 2.
STOT SE 3	: Specific target organ toxicity after single exposure, category 3.
STOT RE 2	: Specific target organ toxicity — repeated exposure, category 2.
Asp. Tox. 1	: Aspiration hazard, category 1.
Aquatic Chronic 2	: Hazardous to the aquatic environment — Chronic category 2.

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

ATE	: Acute Toxicity Estimate
BCF	: Bioconcentration factor
DNEL	: Derived no-effect level
IBC code	: International Bulk Chemical Code
LD50/LC50	: Lethal Dose/Concentration for 50% of a population
NO(A)EL	: No Observed (Adverse) Effect Level
PBT	: Persistent, Bioaccumulative and Toxic
PC	: Chemical product category
PNEC	: Predicted no-effect concentration
STP	: Sewage Treatment Plant
SU	: Sector of Use
TWA/STEL	: Time-Weighted Average/Short Term Exposure Limit
vPvB	: Very Persistent and Very Bioaccumulative

Number format : ", " used as decimal separator.

History

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