



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 SILICON SPRAY
Product code : TR-005 - k

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

Application : Consumer product (SU21). Cleaning agent (PC35). 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 / İstanbul, 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:

TR - Telephone : +908503030587

(During office hours only)

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP classification (1272/2008/EC) : Aerosols, category 1. Skin 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 2.

2.2. Label elements

Label elements (1272/2008/EC):

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.
H336	May cause drowsiness or dizziness.
H373 cns inh	May cause damage to the central nervous system through prolonged or repeated exposure via inhalation.
H411	Toxic to aquatic life with long lasting effects.
H361	Suspected of damaging fertility or the unborn child.



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EUH208	Contains ... May produce an allergic reaction. Reference is made to additional labelling for full text of EUH208*.
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.
P261 spray	Avoid breathing spray.
P271	Use only outdoors or in a well-ventilated area.
P281	Use personal protective equipment as required.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
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 * Contains Citrus, ext. May produce an allergic reaction.

Ingredient declaration according to Regulation 648/2004:

Contains:	Concentration (%)
Aliphatic hydrocarbons	> 30
d-Limonene.	

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

Human health hazards : May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. May cause damage to the central nervous system through prolonged or repeated exposure via inhalation. May produce an allergic reaction. Suspected of damaging fertility or the unborn child. 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 : Toxic to aquatic life with long lasting effects.

Other information : Keep out of 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.

Remarks : 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

*

3.2. Mixtures

Product name : Shell Silicon spray
Date of issue : 20-02-2017

Replaces issue dated : 24-03-2015

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CHESSOL SDS



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Product description : Mixture.

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	REACH nr.	OEL
Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich Flam. Liq. 2; Asp. Tox. 1; Skin Irrit. 2; STOT SE 3; Aquatic Chronic 2; Repr. 2; STOT RE 2 H225; H315; H304; H361; H336; H373; H411	25 - 50	-----	925-292-5	01-2119474209-33	#
Butane Flam. Gas 1; Press. Gas H220; H280	25 - 50	106-97-8	203-448-7	01-2119474691-32	#
Isobutane Flam. Gas 1; Press. Gas H220; H280	10 - < 20	75-28-5	200-857-2	01-2119485395-27	#
Propane Flam. Gas 1; Press. Gas H220; H280	10 - < 20	74-98-6	200-827-9	01-2119486944-21	#
2-Methylbutane Flam. Liq. 2; Asp. Tox. 1; STOT SE 3; Aquatic Chronic 2 H225; H304; H336; H411; EUH066	0,1 - < 1	78-78-4	201-142-8	01-2119475602-38	#
Propene Flam. Gas 1; Press. Gas H220	0,1 - < 1	115-07-1	204-062-1		#
Citrus, extract Flam. Liq. 3; Skin Irrit. 2; Skin Sens. 1; Asp. Tox. 1; Aquatic Acute 1; Aquatic Chronic 1 H226; H304; H315; H317; H410	0,1 - < 1	94266-47-4	304-454-3		#
Ethane Flam. Gas 1; Press. Gas H220; H280	0,1 - < 1	74-84-0	200-814-8	01-2119486765-21	#

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

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 occurs.
- Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor if irritation persists.
- 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 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, drowsiness, dizziness and a feeling of sickness. May cause irritation to respiratory airways and coughing.



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Skin contact	: Irritant. May produce an allergic reaction. May cause dry skin and redness.
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 FIREFIGHTING 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	: 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

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.



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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	
Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich	GB	72	-	MAC RU	
Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich	EC	72	-		
Butane	GB	1450	1810		
Butane		300	900		
Isobutane		1900	2400		
Propane		1800	-		
2-Methylbutane	GB	1800	-		
2-Methylbutane	EC	3000	-		
Citrus, extract		110	-		MAC: similar to d-Limonene

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
	Inhalation				93 mg/m ³

Derived no-effect level (DNEL) for consumers:



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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
	Inhalation				20 mg/m ³
	Oral				6 mg/kg bw/day

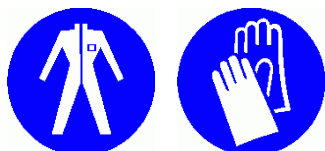
8.2. Exposure controls

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.



- Body protection : Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: nitril. Indication of permeation breakthrough time: not known.
- 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: nitril. ± 0,5 mm. Indication of permeation breakthrough time: not known.
- 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	: Aerosol.	
Colour	: Colourless.	
Odour	: Citrus.	
Odour threshold	: Not known.	
pH	: Not applicable.	Waterfree product.
Solubility in water	: Not soluble.	
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	: < 0 °C	
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 (%): 9,5 Propane
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	



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Viscosity (20°C)	: Not known.	
Viscosity (40°C)	: Not known.	
Vapour pressure (20°C)	: Not known.	
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

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	: Not classified - based on available data, the classification criteria are not met.
Carcinogenicity	: Does not contain carcinogenic substances. 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.



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Skin contact

- Acute toxicity : Calculated LD50: > 4008 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.
- Sensitisation : May produce an allergic reaction.
- 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 : Aerosol/mist: Ingestion is unlikely to occur. Calculated LD50: > 1532 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:

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
	LC50 (inhalation)	259354 mg/m3	OECD 403	Rat
Citrus, extract	Genotoxicity - estimate	Not genotoxic	Read across	
	LD50 (dermal)	> 5000 mg/kg bw	-----	Rabbit
	NOEL (carcinogenicity) - estimate	> 300 mg/kg.d	Read across	Rat
	Mutagenicity - estimate	Not mutagenic	Read across	Salmonella typhimurium
	Eye irritation - estimate	Non-irritant	Read across	Rabbit
	Skin irritation	Moderately irritant	-----	-----
	NOAEL (development) - estimate	600 mg/kg.d	Read across	Rat
	Skin sensitisation - estimate	10075 ug/cm2	Read across	Mouse
	LD50 (oral)	> 5000 mg/kg bw	-----	Rabbit
	NOAEL (oral) - estimate	30 mg/kg bw/d	Read across	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): 30 mg/l. Calculated EC50 (waterflea): 141 mg/l. Contains < 1 % 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.



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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 : 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
Citrus, extract	Log P(ow)	4	Read across	Daphnia magna
	Ultimate aerobic biodegradation (%)	> 92 %		
	NOEC (daphnids) - estimate	0,15 mg/l.d		
	LC50 (fish) - estimate	0,720 mg/l		
	EC50 (waterflea) - estimate	0,36 mg/l		
	Log P(ow)	4,38		Daphnia magna

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



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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



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 : Yes

IATA (air)

Class : 2

14.6. Special precautions for user

Other information : Country specific variations may apply.

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



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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 H-phrases mentioned in section 3:

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	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.
H317	May cause an allergic skin reaction.
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.
H410	Very toxic to aquatic life with long lasting effects.
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.
Flam. Liq. 3	: Flammable liquid, hazard category 3.
Skin Irrit. 2	: Skin irritation, category 2.
Skin Sens. 1	: Skin sensitization, category 1.
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 1	: Hazardous to the aquatic environment — Chronic category 1.
Aquatic Chronic 2	: Hazardous to the aquatic environment — Chronic category 2.
Aquatic Acute 1	: Hazardous to the aquatic environment — Acute category 1.

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
ECETOC TRA	European centre for ecotoxicology and toxicology of chemicals. Targeted risk assessment
EU	European Union
EUSES	European Union System for the Evaluation of Substances
IBC code	Intermediate Bulk Container
LD50 LC50	Lethal Dose/Concentration for 50% of a population
NOAEL	No Observed (Adverse) Effect Level
NOEC	No observed effect concentration
OEL	Occupational exposure limit
PBT	Persistent, Bioaccumulative and Toxic
PC	Chemical product category
PNEC	Predicted no-effect concentration
STP	Sewage Treatment Plant
SU	Sector of Use
SVHC	Substance of very high concern
TWA/STEL	Time-Weighted Average/Short Term Exposure Limit



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vPvB

Very Persistent and Very Bioaccumulative

Number format

: "," used as decimal separator.