SAFETY DATA SHEET

Zettex X35

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

SECTION 1: Identification of t	he substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	Zettex X35
Product number	
Container size	
REACH registration notes	All chemicals used in this product have been registered under REACH where required.
1.2. Relevant identified uses of	of the substance or mixture and uses advised against
Identified uses	Adhesive.
Uses advised against	Flexible PVC due to the risk of plasticiser migration.
1.3. Details of the supplier of the supplicit states and the supplicit states are supplied by the supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicits are supplicit. The supplicit states are supplicit. The supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicits are supplicits are supplicit. The sup	the safety data sheet
Supplier	Zettex Europe BV Plaza 20 4782 SK Moerdijk The Nederlands Tel: +31 888 938839 Fax: +31 888 938888 info@zettex.nl
1.4. Emergency telephone nu	mber
Emergency telephone	Zettex Europe BV 031 (0) 888 938 839 (Mon-Fri 09:00-17:00)
SECTION 2: Hazards identific	ation
2.1. Classification of the subs	tance or mixture
Classification (EC 1272/2008)	-
Physical hazards	Aerosol 1 - H222, H229
Health hazards	STOT SE 3 - H336
Environmental hazards	Aquatic Chronic 2 - H411
2.2. Label elements	
Pictogram	
Signal word	Danger
Hazard statements	H222 Extremely flammable aerosol.

Precautionary statements	 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. P251 Do not pierce or burn, even after use. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501 Dispose of contents/ container in accordance with national regulations.
Supplemental label information	EUH066 Repeated exposure may cause skin dryness or cracking.
Contains	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane, PENTANE, ACETONE
Supplementary precautionary statements	 P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P273 Avoid release to the environment. P302+P352 IF ON SKIN: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTRE/doctor if you feel unwell. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage.

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria. Containers should be thoroughly emptied before disposal because of the risk of an explosion. In use may form flammable/explosive vapour-air mixture. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

SECTION 3: Composition/information on ingredients

3.2. Mixtures		
DIMETHYL ETHER		30-609
CAS number: 115-10-6	EC number: 204-065-8	REACH registration number: 01- 2119472128-37-XXXX
Classification		
Flam. Gas 1 - H220		
Press. Gas (Liq.) - H280		
	es. cvclics. <5% n-hexane	10-309
Hydrocarbons, C6-C7, isoalkane CAS number: —	es, cyclics, <5% n-hexane EC number: 926-605-8	10-309 REACH registration number: 01-
Hydrocarbons, C6-C7, isoalkane	-	
Hydrocarbons, C6-C7, isoalkane	-	REACH registration number: 01-
Hydrocarbons, C6-C7, isoalkane CAS number: —	-	REACH registration number: 01-
Hydrocarbons, C6-C7, isoalkane CAS number: — Classification	-	REACH registration number: 01-
Hydrocarbons, C6-C7, isoalkane CAS number: — Classification Flam. Liq. 2 - H225	-	REACH registration number: 01-

Inhalation

Ingestion

Skin contact

Eye contact

Zettex X35

PENTANE 10-30% CAS number: 109-66-0 EC number: 203-692-4 REACH registration number: 01-2119459286-30-0000 Classification Flam. Liq. 1 - H224 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411 1-5% ACETONE CAS number: 67-64-1 EC number: 200-662-2 REACH registration number: 01-2119471330-49-XXXX Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336 The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16. SECTION 4: First aid measures 4.1. Description of first aid measures General information Move affected person to fresh air at once. Show this Safety Data Sheet to the medical personnel. Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. If breathing stops, provide artificial respiration. Get medical attention immediately. Ingestion Rinse mouth thoroughly with water. Get medical attention. Do not induce vomiting. Skin contact Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues. Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. If adhesive bonding occurs, do not force eyelids apart. Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue. 4.2. Most important symptoms and effects, both acute and delayed General information Prolonged and repeated contact with solvents over a long period may lead to permanent

health problems. The severity of the symptoms described will vary dependent on the

Coughing, chest tightness, feeling of chest pressure. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal

Irritating to eyes. Profuse watering of the eyes.

Prolonged contact may cause redness, irritation and dry skin.

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concentration and the length of exposure.

concentrations, unconsciousness and death.

tract.

4.3. Indication of any immediate medical attention and special treatment needed Specific treatments If adhesive bonding occurs, do not force evelids apart. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media Water spray, dry powder or carbon dioxide. Alcohol-resistant foam. Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media 5.2. Special hazards arising from the substance or mixture Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up. Forms explosive mixtures with air. May explode when heated or when exposed to flames or sparks. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Hazardous combustion Oxides of carbon. Acrid smoke or fumes. products 5.3. Advice for firefighters Protective actions during Use water to keep fire exposed containers cool and disperse vapours. If a leak or spill has not firefighting ignited, use water spray to disperse vapours and protect men stopping the leak. Control runoff water by containing and keeping it out of sewers and watercourses. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Special protective equipment Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective for firefighters clothing. SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not breathe vapour. Avoid contact with eyes and prolonged skin contact. For non-emergency personnel For the greatest protection, clothing should include anti-static overalls, boots and gloves. For the greatest protection, clothing should include anti-static overalls, boots and gloves. For emergency responders 6.2. Environmental precautions **Environmental precautions** Contain spillage with sand, earth or other suitable non-combustible material. 6.3. Methods and material for containment and cleaning up Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Avoid water contacting spilled material or leaking containers. Approach the spillage from upwind. Take precautionary measures against static discharge. Use only non-sparking tools. 6.4. Reference to other sections Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13. SECTION 7: Handling and storage 7.1. Precautions for safe handling

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Usage precautions	Keep away from heat, sparks and open flame. Static electricity and formation of sparks must			
	be prevented. Wear protective clothing as described in Section 8 of this safety data sheet. Read and follow manufacturer's recommendations. Do not use in confined spaces without adequate ventilation and/or respirator. Do not eat, drink or smoke when using this product.			
Advice on general	Do not eat, drink or smoke when using this product. Remove contaminated clothing and			
occupational hygiene	protective equipment before entering eating areas. Wash after use and before eating, smoking and using the toilet. Do not smoke in work area. Clean equipment and the work area every day.			
7.2. Conditions for safe stora	7.2. Conditions for safe storage, including any incompatibilities			
Storage precautions	Under normal conditions of handling and storage, spillages from aerosol containers are unlikely. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Do not pierce or burn, even after use.			
Storage class	Flammable compressed gas storage.			
7.3. Specific end use(s)				
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.			
Usage description	Adhesive.			
SECTION 8: Exposure controls/Personal protection				

8.1. Control parameters

Occupational exposure limits

DIMETHYL ETHER

Long-term exposure limit (8-hour TWA): WEL 400 ppm 766 mg/m³ Short-term exposure limit (15-minute): WEL 500 ppm 958 mg/m³

PENTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1800 mg/m³ Short-term exposure limit (15-minute): WEL

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³ Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³ WEL = Workplace Exposure Limit

DIMETHYL ETHER (CAS: 115-10-6)

PNEC

- Fresh water; 0,155 mg/l
- Intermittent release, Water; 1,549 mg/l
- Water; 160 mg/l
- marine water; 0,016 mg/l
- Sediment (Freshwater); 0,681 mg/l
- Sediment (Marinewater); 0,069 mg/l
- Soil; 0,045 mg/l

PENTANE (CAS: 109-66-0)

DNEL

Industry - Dermal; Long term systemic effects: 432 mg/kg/day Industry - Inhalation; Long term systemic effects: 3 mg/m³ Consumer - Dermal; Long term systemic effects: 214 mg/kg/day Consumer - Inhalation; Long term systemic effects: 643 mg/m³ Consumer - Oral; Long term systemic effects: 214 mg/kg/day

ACETONE (CAS: 67-64-1)

DNEL	Consumer - Oral; Long term : 62 mg/kg/day Consumer - Dermal; Long term : 62 mg/kg/day Industry - Dermal; Long term : 186 mg/kg/day Consumer - Inhalation; Long term : 200 mg/m ³ Industry - Inhalation; Short term : 2420 mg/m ³ Industry - Inhalation; Long term : 1210
PNEC	- Fresh water; 10.6 mg/l - marine water; 1.06 mg/l - Intermittent release; 21 mg/l - Soil; 29.5 mg/l - Sediment (Marinewater); 3.04 mg/kg - Sediment (Freshwater); 30.4 mg/kg
2. Exposure controls	

8.2

Protective equipment



controls







Appropriate engineering Provide adequate ventilation. Ensure that the direction of airflow is clearly away from the worker. Use approved respirator if air contamination is above an acceptable level. Observe any occupational exposure limits for the product or ingredients. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof electrical, ventilating and lighting equipment. Ensure operatives are trained to minimise exposure.

Personal protection Wear protective clothing.

Eye/face protection Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

protection

(PE/PA/PE), 2.5mil (0.06mm), >480 min. To protect hands from chemicals, gloves should comply with European Standard EN374. Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Other skin and body Provide eyewash station. Avoid contact with skin. Wear suitable coveralls to prevent exposure to the skin.

Hygiene measures Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Use appropriate hand lotion to prevent defatting and cracking of skin. Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn. In confined or poorlyventilated spaces, a supplied-air respirator must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Short term Gas filter, type AX.

Thermal hazards	Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.
Environmental exposure controls	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. For waste disposal, see Section 13.
SECTION 9: Physical and chemical properties	

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Amber.
Odour	Aromatic hydrocarbons.
Odour threshold	Data lacking.
рН	pH (concentrated solution): 7-8
Melting point	Data lacking.
Initial boiling point and range	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane: 75-93°C Pentane: 35-37°C Acetone: 55.8-56.6°C
Flash point	A flash point method is not available for aerosols, but the major hazardous component, the propellant (Dimethyl ether) has a flash point of <-41°C with flammability limits of 3.3% vol. upper and 26.2% vol. lower.
Evaporation rate	Not available.
Evaporation factor	Not available.
Flammability (solid, gas)	No specific test data are available.
Upper/lower flammability or explosive limits	Not available.
Other flammability	No specific test data are available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Liquid base: 0.83 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Liquid base: 280-480 cP @ 20°C
Explosive under the influence of a flame	Yes
Oxidising properties	Does not meet the criteria for classification as oxidising.
9.2. Other information	
Volatile organic compound	This product contains a maximum VOC content of 590 g/l.
SECTION 10: Stability and rea	activity

International stability There are no known reactivity hazards associated with this product. 10.2. Chemical stability Stable at normal ambient temperatures and when used as recommended. Highly volatile. 10.3. Possibility of hazardous Will not polymerise. In use may form flammable/explosive vapour-air mixture. reactions 10.4. Conditions to avoid Will not polymerise. In use may form flammable/explosive vapour-air mixture. reactions 10.4. Conditions to avoid Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heater, due to excessive pressure build-up. Avoid the accumulation of vapours in low or confined areas. 10.5. Incompatible materials Strong oxidising agents. Strong aklais. Strong acids. 10.6. Hazardous decomposition products Hazardous decomposition products Flazardous decomposition products Strong oxidies of carbon. Oxides of nitrogen. Stic corresolv/irmation Repeated exposure may cause skin dryness or cracking. Stic corresolv/irmation Based on available data the classification criteria are not met. Contains an ingredient listed as: Eye Irrit. 2 - 1319 Respiratory sensitisation Based on available data the classification criteria are not met. Stin sensitisation Based on available data the classification criteria are not met. Germ cell mutagenicity Based on available data the classification criteria are	10.1. Reactivity	
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STOT - single exposure Based on available data the classification criteria are not met. Specific target organ toxicity - repeated exposure		Based on available data the classification criteria are not met.
Specific target organ toxicity - repeated exposure	Specific target organ toxicity -	single exposure
	STOT - single exposure	Based on available data the classification criteria are not met.

Route of exposure

Skin absorption Inhalation Skin and/or eye contact Ingestion

Toxicological information on ingredients.

Acute toxicity - oral

DIMETHYL ETHER

•	
Notes (oral LD₅₀)	Not applicable.
Acute toxicity - dermal	
Notes (dermal LD₅₀)	Not applicable.
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	164000 ppm, Inhalation, Rat
Skin corrosion/irritation	
Skin corrosion/irritation	Based on available data the classification criteria are not met.
Serious eye damage/irritatio	on
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
Reproductive toxicity	
Reproductive toxicity - fertility	This substance has no evidence of toxicity to reproduction.
Specific target organ toxicit	y - repeated exposure
STOT - repeated exposure	Based on available data the classification criteria are not met.
Skin contact	Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.
Medical symptoms	Symptoms following overexposure may include the following: Arrhythmia (deviation from normal heart beat).
	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
Skin corrosion/irritation	
Skin corrosion/irritation	Irritating to skin.
Serious eye damage/irritatio	

Serious eye	Based on available data the classification criteria are not met.	
damage/irritation		
Respiratory sensitisation		
Respiratory sensitisation	Based on available data the classification criteria are not met.	
Reproductive toxicity		
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.	
General information	The product irritates mucous membranes and may cause abdominal discomfort if swallowed.	
	PENTANE	
Acute toxicity - oral		
Acute toxicity oral (LD₅₀ mg/kg)	2.0	
Species	Rat	
Acute toxicity - inhalation		
Acute toxicity inhalation (LC ₅₀ vapours mg/l)	25.3	
Species	Rat	
ATE inhalation (vapours mg/l)	25.3	
Respiratory sensitisation		
Respiratory sensitisation	Based on available data the classification criteria are not met.	
Skin sensitisation		
Skin sensitisation	Based on available data the classification criteria are not met.	
Germ cell mutagenicity		
Genotoxicity - in vitro	Based on available data the classification criteria are not met.	
Genotoxicity - in vivo	Based on available data the classification criteria are not met.	
Carcinogenicity		
Carcinogenicity	Based on available data the classification criteria are not met.	
Reproductive toxicity		
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.	
Specific target organ toxicity - repeated exposure		
STOT - repeated exposure	Based on available data the classification criteria are not met.	
Aspiration hazard		
Aspiration hazard	May be fatal if swallowed and enters airways.	
Skin contact	Repeated exposure may cause skin dryness or cracking.	

	Eye contact	May cause discomfort.
		ACETONE
	Toxicological effects	The toxicity of this substance has been assessed during REACH registration.
	Acute toxicity - dermal	
	Acute toxicity dermal (LD₅₀ mg/kg)	2,000.0
	Species	Rabbit
	Skin sensitisation	
	Skin sensitisation	Epidemiological studies have shown no evidence of skin sensitisation.
	Skin contact	Irritating to skin.
	Eye contact	Irritating to eyes.
SECTION	12: Ecological information	
Ecological	information on ingredients.	
		Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
	Ecotoxicity	Toxic to aquatic life with long lasting effects.
12.1. Toxic	ity	
Toxicity		aquatic life with long lasting effects.
Ecological	information on ingredients.	
		DIMETHYL ETHER
	Acute aquatic toxicity	
	Acute toxicity - fish	LC₅₀, 96 hours: >4000 mg/l, Poecilia reticulata (Guppy)
	Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: >4000 mg/l, Daphnia magna LC₅₀, 48 hours: 755,549 mg/l, Daphnia magna
		Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
	Acute aquatic toxicity	
	Acute toxicity - fish	LL₅₀, 96 hours: 9.776 mg/l, Freshwater fish
	Acute toxicity - aquatic invertebrates	EL50, 48 hours: 3.0 mg/l, Daphnia magna
	Acute toxicity - microorganisms	NOEL, 48 hours: 8.483 mg/l, Tetrahymena pyriformis.
		PENTANE
	Acute aquatic toxicity	
	Acute toxicity - fish	LC50, 96 hours: 4.26 mg/l, Oncorhynchus mykiss (Rainbow trout)
	Acute toxicity - aquatic	EC₅₀, 48 hours: 2.7 mg/l, Daphnia magna

invertebrates

Acute toxicity - aquatic	NOEC, 72 hours: 7.51 mg/l, Freshwater algae
plants	EC₅₀, 72 hours: 10.7 mg/l, Freshwater algae

ACETONE

Acute aquatic toxicity

Acute toxicity - fish	LC₅₀, 96 hours: >100 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 12600 mg/l, Daphnia magna EC₅₀, 48 hours: 8300 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC₅₀, 72 hours: >100 mg/l, Algae
Chronic aquatic toxicity	
Chronic toxicity - aquatic invertebrates	NOEC, 28 days: >10<100 mg/l, Freshwater invertebrates

12.2. Persistence and degradability

Persistence and degradability The product is readily biodegradable.

Ecological information on ingredients.

DIMETHYL ETHER

Persistence and degradability	Not readily biodegradable.	
	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	
Persistence and degradability	The product is biodegradable.	
	PENTANE	
Persistence and degradability	The product is biodegradable. Volatile substances are degraded in the atmosphere within a few days.	
	ACETONE	
Persistence and degradability	The product is readily biodegradable.	
12.3. Bioaccumulative potential		
Bioaccumulative potential	No data available on bioaccumulation.	
Partition coefficient	Not available.	
Ecological information on ingredients.		
	DIMETHYL ETHER	
Bioaccumulative potential No data available on bioaccumulation.		

PENTANE

Bioaccumulative potential Not determined.

12.4. Mobility in soil

Mobility	The pro surfaces	duct contains volatile organic compounds (VOCs) which will evaporate easily from all s.
Ecological information	ation on ingredients.	
		DIMETHYL ETHER
Mob	ility	Koc: 7,759
		Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
Mob	ility	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
		PENTANE
Mob	ility	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
12.5. Results of P	BT and vPvB assessn	nent
Results of PBT and vPvBThis product does not contain any substances classified as PBT or vPvB.assessment		
Ecological information	ation on ingredients.	
		DIMETHYL ETHER
	ults of PBT and vPvB essment	This substance is not classified as PBT or vPvB according to current EU criteria.
		Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
	ults of PBT and vPvB essment	This substance is not classified as PBT or vPvB according to current EU criteria.
		PENTANE
	ults of PBT and vPvB essment	This substance is not classified as PBT or vPvB according to current EU criteria.
		ACETONE
	ults of PBT and vPvB essment	This product does not contain any substances classified as PBT or vPvB.
12.6. Other adver	se effects	
Other adverse effe	ects None kr	iown.
Ecological information	ation on ingredients.	
		PENTANE
Othe	er adverse effects	None known.
SECTION 13: Disposal considerations		
13.1. Waste treatment methods		

Disposal methods	Do not puncture or incinerate, even when empty. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	Full or Partially Empty Canister: 16 05 04 Empty Canister: 15 01 10 (Containing hazardous residue) Empty Canister: 15 01 04 (No hazardous residues)
SECTION 14: Transport inform	nation
14.1. UN number	
UN No. (ADR/RID)	3501
UN No. (IMDG)	3501
UN No. (ICAO)	3501
UN No. (ADN)	3501
14.2. UN proper shipping nam	e
Proper shipping name (ADR/RID)	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (DIMETHYL ETHER, PENTANE, ACETONE, Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane)
Proper shipping name (IMDG)	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (DIMETHYL ETHER, PENTANE, ACETONE, Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane)
Proper shipping name (ICAO)	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (DIMETHYL ETHER, PENTANE, ACETONE, Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane)
Proper shipping name (ADN)	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (DIMETHYL ETHER, PENTANE, ACETONE, Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane)
14.3. Transport hazard class(e	es <u>)</u>
ADR/RID class	2.1
ADR/RID classification code	8F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1
Transport labels	
14.4. Packing group	

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS

F-D, S-U

ADR transport category	2
Emergency Action Code	2YE
Hazard Identification Number (ADR/RID)	23
Tunnel restriction code	(B/D)

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

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations	The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824). Control of Substances Hazardous to Health Regulations 2002 (as amended). Health and Safety at Work etc. Act 1974 (as amended).
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Guidance	Workplace Exposure Limits EH40.
Authorisations (Title VII Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Title VIII Regulation 1907/2006)	No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008	Aerosol 1 - H222, H229: Calculation method. STOT SE 3 - H336: Calculation method. Aquatic Chronic 2 - H411: Calculation method.
Issued by	Technical Department
Revision date	25/07/2018
Revision	4
Supersedes date	13/01/2016
SDS number	20477

Hazard statements in full	 H220 Extremely flammable gas. H222 Extremely flammable aerosol. H224 Extremely flammable liquid and vapour. H225 Highly flammable liquid and vapour. H229 Pressurised container: may burst if heated. H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H319 Causes serious eve irritation.
	H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.