Safety Data Sheet

VERNIS SA

Primer

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name	VERNIS SA SPRAY PRIMER (CANISTER)
Product number	VSA001

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

Identified uses	Primer.
Uses advised against	No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier	AXTER LTD, West Road, Ransomes Europark, Ipswich IP3 9SX UK **Tel: +44 (0) 1473 724056, 8.00 am to 5.30 pm, Monday to Friday** Email: info@axterltd.co.uk

1.4 Emergency telephone

	+ 44 1473 724056 (NOT 24HRS - 8am - 5.30pm, Monday Friday) In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.
National Emergency telephone	National Poisons Information Service (UK) TEL: 0844 892 0111

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Aerosol 1 - H222, H229
Health hazards	Skin Irrit. 2 - H315 STOT SE 3 - H336
Environmental hazards	Aquatic Chronic 2 - H411
Human health	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May be slightly irritating to eyes.
Physicochemical	The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

2.2. Label elements

Pictogram

Signal word	Danger
Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
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. P260 Do not breathe spray. 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.
Contains	CYCLOHEXANE, hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane, ETHYL ACETATE
Supplementary precautionary statements	P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. 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.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

Section 3: Composition/information on ingredients

3.2. Mixtures

DIMETHYL ETHER			**30-60%**
CAS number: 115-10-6	**EC number: 204-065-8**	**REACH registration number: 01-2119472128-37-0003**	
Classification Flam. Gas 1 - H220 Press. Gas, Liquefied - H280			

CYCLOHEXANE			**20.0%**
CAS number: 110-82-7	**EC number: 203-806-2**	**REACH registration number: 01-2119463273-41-0000**	
M factor (Acute) = 1	**M factor (Chronic) = 1**		
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410			

hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% nhexane			**19.5%**
CAS number: —	**EC number: 921-024-6**	**REACH registration number: 01-2119475514-35-0001**	
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411			

ETHYL ACETATE			**7.0%**
CAS number: 141-78-6	**EC number: 205-500-4**	**REACH registration number: 01-2119475103-46-0017**	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336			
ZBED (ZINC DIBENZYL DITHIOCARBAMATE)			**0.9%**
CAS number: 14726-36-4	**REACH registration number: 01-2119543708-31-0001**		
M factor (Acute) = 1	**M factor (Chronic) = 1**		
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410			
HEXANE-norm			**0.5%**
CAS number: 110-54-3	**EC number: 203-777-6**	**REACH registration number: 01-2119480412-44-0009**	
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361f STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411			

The full text for all hazard statements is displayed in Section 16.

Section 4: First aid measures

4.1. Description of first aid measures

General information Get medical attention if any discomfort continues.

Inhalation Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion Rinse mouth thoroughly with water. Get medical attention.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water.

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 immediately.

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

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	May cause temporary eye irritation.

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

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	The product is extremely flammable. Heating may generate flammable vapours. Pressurised container: must not be exposed to temperatures above 50°C.Extremely flammable. Forms explosive mixtures with air. Nay explode when heated or 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 products	Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting	Control run-off water by containing and keeping it out of sewers and watercourses. Avoid breathing fire gases or vapours. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke.
Special protective equipment for firefighters	Wear chemical protective suit.

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.

6.2. Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground.

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.

6.4. Reference to other sections

Reference to other sections — Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions — Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions — Keep away from heat, sparks and open flame. Keep container tightly closed. Keep only in the original container.

Storage class — Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) — The identified uses for this product are detailed in Section 1.2.

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

CYCLOHEXANE
Long-term exposure limit (8-hour TWA): WEL 100 ppm 350 mg/m³
Short-term exposure limit (15-minute): WEL 300 ppm 1050 mg/m³

ETHYL ACETATE
Long-term exposure limit (8-hour TWA): WEL 200 ppm
Short-term exposure limit (15-minute): WEL 400 ppm

ZBED (ZINC DIBENZYL DITHIOCARBAMATE)
Long-term exposure limit (8-hour TWA): 6 mg/m³

HEXANE-norm
Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m³
WEL = Workplace Exposure Limit

Ingredient comments — WEL = Workplace Exposure Limits

CYCLOHEXANE (CAS: 110-82-7)

DNEL	Consumer - Oral; Long term systemic effects: 59.4 mg/kg bw/day Consumer - Dermal; Long term systemic effects: 1186 mg/kg bw/day Workers - Dermal; Long term systemic effects: 2016 mg/kg bw/day Consumer - Inhalation; Short term local effects: 412 mg/m³ Consumer - Inhalation; Short term systemic effects: 412 mg/m³ Workers - Inhalation; Short term local effects: 700 mg/m³ Workers - Inhalation; Short term systemic effects: 700 mg/m³ Consumer - Inhalation; Long term local effects: 206 mg/m³ Workers - Inhalation; Long term local effects: 700 mg/m³ Consumer - Inhalation; Long term systemic effects: 206 mg/m³ Workers - Inhalation; Long term systemic effects: 700 mg/m³
PNEC	Fresh water; 0.207 mg/l Sediment (Freshwater); 3.627 mg/kg STP; 3.24 mg/l Soil; 2.99 mg/kg

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Ingredient comments	WEL = Workplace Exposure Limits
DNEL	Consumer - Oral; Long term systemic effects: 699 mg/kg bw/day Workers - Oral; Long term systemic effects: 2035 mg/kg bw/day Consumer - Dermal; Long term systemic effects: 699 mg/kg bw/day Workers - Dermal; Long term systemic effects: 773 mg/kg bw/day Consumer - Inhalation; Long term systemic effects: 608 mg/m³

ETHYL ACETATE (CAS: 141-78-6)

DNEL	Workers - Inhalation; Short term systemic effects: 1468 mg/m³ Workers - Inhalation; Short term local effects: 1468 mg/m³ Consumer - Inhalation; Short term systemic effects: 734 mg/m³ Consumer - Inhalation; Short term local effects: 374 mg/m³ Workers - Inhalation; Long term local effects: 734 mg/m³ Workers - Dermal; Long term systemic effects: 63 mg/kg bw/day Workers - Inhalation; Long term systemic effects: 734 mg/m³ Consumer - Dermal; Long term systemic effects: 37 mg/kg bw/day Consumer - Inhalation; Long term systemic effects: 367 mg/m³ Consumer - Oral; Long term systemic effects: 4.5 mg/kg bw/day Consumer - Inhalation; Long term local effects: 367 mg/m³
PNEC	Fresh water; 0.26 mg/l Marine water; 0.026 mg/l Intermittent release; 1.65 mg/l Sediment (Freshwater); 1.25 mg/kg Sediment (Marinewater); 0.125 mg/kg Soil; 0.24 mg/kg STP; 650 mg/l

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. This product is not to be used under conditions of poor ventilation.
Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.
Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash contaminated clothing before reuse. Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.
Respiratory protection	In confined or poorly-ventilated spaces, a supplied-air respirator must be worn. Wear a respirator fitted with the following cartridge: ABEK2-P3. In confined or poorly-ventilated spaces, a supplied-air respirator must be worn.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Various colours.
Odour	Ether.

Odour threshold	Not applicable.
pH	Not applicable.
Melting point	Estimated value. -141.5°C
Initial boiling point and range	Estimated value. -24.8°C @ 1013 hPa
Flash point	Estimated value. -41°C
Evaporation rate	Not determined.
Evaporation factor	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Estimated value 3.3%-26.2%
Other flammability	Not applicable.
Vapour pressure	Estimated value. 5132,9 hPa @ 25°C
Vapour density	Not applicable.
Relative density	1.10 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Estimated value. 45.6 g/l water @ 25°C
Partition coefficient	Estimated value. Pow: 0.07
Auto-ignition temperature	Estimated value. 226°C
Decomposition Temperature	Not applicable.
Viscosity	Kinematic viscosity > 20.5 mm^2/s.
Explosive properties	Not applicable.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not applicable.
Comments	Information given is applicable to the product as supplied.

9.2. Other information

Other information	No information required.
Refractive index	Not applicable.
Particle size	Not applicable.
Molecular weight	Not applicable.
Volatility	Not applicable.
Saturation concentration	Not applicable.
Critical temperature	Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not applicable. Not relevant.

10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

ATE dermal (mg/kg)	10,000.0

Skin corrosion/irritation

Animal data	Irritating.

Serious eye damage/irritation

Serious eye damage/irritation	Moderately irritating.

Respiratory sensitisation

Respiratory sensitisation	Sensitising.

Carcinogenicity

Target organ for carcinogenicity	No specific target organs known.

Reproductive toxicity

Reproductive toxicity - development	This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Morphological changes that are potentially reversible but provide clear evidence of marked organ dysfunction.

Aspiration hazard

Aspiration hazard	Not anticipated to present an aspiration hazard, based on chemical structure.
Inhalation	Irritating to respiratory system.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Irritating to skin.
Eye contact	Irritation of eyes and mucous membranes.
Route of entry	Inhalation Skin and/or eye contact
Medical symptoms	Irritation of eyes and mucous membranes.

Toxicological information on ingredients.

DIMETHYL ETHER

Acute toxicity - inhalation	
Acute toxicity inhalation (LC50 gases ppmV)	164,000.0
Species	Rat
ATE inhalation (gases ppm)	164,000.0

CYCLOHEXANE

Acute toxicity - oral	
Acute toxicity oral (LD50 mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0
Acute toxicity - dermal	
Acute toxicity dermal (LD50 mg/kg)	2,000.0
Species	Rabbit
ATE dermal (mg/kg)	2,000.0

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Toxicological effects	No information available.
Acute toxicity - oral	
Acute toxicity oral (LD50 mg/kg)	5,840.0
Species	Rat
Notes (oral LD50)	Not known. Data lacking.
ATE oral (mg/kg)	5,840.0
Acute toxicity - dermal	
Acute toxicity dermal (LD50 mg/kg)	2,920.0
Species	Rat
Notes (dermal LD50)	Data lacking.
ATE dermal (mg/kg)	2,920.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC50 vapours mg/l)	25.2
Species	Rat
ATE inhalation (vapours mg/l)	25.2
Skin corrosion/irritation	
Animal data	Data lacking.
Serious eye damage/irritation	
Serious eye damage/irritation	Data lacking.
Aspiration hazard	
Aspiration hazard	Kinematic viscosity > 20.5 mm^2/s.
Inhalation	May cause respiratory system irritation.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Irritating to skin.
Eye contact	May cause severe eye irritation.
Acute and chronic health hazards	Vapour from this product may be hazardous by inhalation.
Route of entry	Inhalation, Skin absorption, Ingestion. Skin and/or eye contact

Target organs	No specific target organs known.
Medical symptoms	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.
Medical considerations	No information available.

ETHYL ACETATE

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	5620.0
Species	Rat
ATE oral (mg/kg)	5620.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	20,000.0
Species	Rabbit
ATE dermal (mg/kg)	20,000.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} vapours mg/l)	30.0
Species	Rat
ATE inhalation (vapours mg/l)	30.0

ZBED (ZINC DIBENZYL DITHIOCARBAMATE)

Inhalation	Coughing, chest tightness, feeling of chest pressure.
Ingestion	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
Skin contact	Causes mild skin irritation.
Eye contact	Irritating and may cause redness and pain.

HEXANE-norm

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	25,000.0
Species	Rat
ATE oral (mg/kg)	25,000.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} gases ppmV)	48,000.0
Species	Rat
ATE inhalation (gases ppm)	48,000.0

Section 12: Ecological Information

Ecotoxicity The product is not expected to be hazardous to the environment.

Ecological information on ingredients.

hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane

Ecotoxicity Dangerous for the environment.

12.1. Toxicity

Acute toxicity - fish	LC50, 96 hours: > 1000 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >500 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: ~ 1640 mg/l, Scenedesmus subspicatus

Ecological information on ingredients.

CYCLOHEXANE

Acute aquatic toxicity	
LE(C)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_0, 96 hours: 4.53 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_0, 48 hours: 0.9 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_0, 72 hours: 3.4 mg/l, Algae
Acute toxicity - microorganisms	EC_{50}, 20 hours: 29 mg/l, Bacteria
Chronic aquatic toxicity	
M factor (Chronic)	1

hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane

Acute toxicity - fish	LC_0, hours: >1-<10 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 3 mg/l, Daphnia magna
Acute toxicity - aquatic plants	LC_0, hours: >1-<10 mg/l, Algae

ETHYL ACETATE

Acute toxicity - fish	EC_{50}, 48 hours: 610 mg/l, Marinewater fish LC_{50}, 96 hours: 230 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 11.5 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 48 hours: 5600 mg/l, Freshwater algae

ZBED (ZINC DIBENZYL DITHIOCARBAMATE)

Acute aquatic toxicity	
LE(C)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 10 mg/l, Brachydanio rerio (Zebra Fish)
Chronic aquatic toxicity	
M factor (Chronic)	1

HEXANE-norm

Acute toxicity - fish	LC_{50}, EC_{50}, IC_{50}, : 10 mg/l, Fish
Acute toxicity - aquatic invertebrates	LC_{50}, EC_{50}, IC_{50}, : 10 mg/l, Daphnia magna
Acute toxicity - aquatic plants	LC_{50}, EC_{50}, IC_{50}, : 10 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability	The product is not readily biodegradable.
Stability (hydrolysis)	Reacts with water.
Biological oxygen demand	< 10 g O_2/g substance

12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	Estimated value. Pow: 0.07

Ecological information on ingredients.

CYCLOHEXANE

Bioaccumulative potential	BCF: 167,

ETHYL ACETATE

Bioaccumulative potential	BCF: 30,
Partition coefficient	Not available.

12.4. Mobility in soil

Mobility	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

ETHYL ACETATE

Mobility	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

ZBED (ZINC DIBENZYL DITHIOCARBAMATE)

Mobility	Insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

ETHYL ACETATE

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.

ZBED (ZINC DIBENZYL DITHIOCARBAMATE)

Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects	None known.

Ecological information on ingredients.

ETHYL ACETATE

Other adverse effects	Not known.

Section 13: Disposal considerations

13.1. Waste treatment methods

General information	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Section 14: Transport information

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 name

Proper shipping name (ADR/RID)	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (contains Dimethyl Ether)
Proper shipping name (IMDG)	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (contains Dimethyl Ether)
Proper shipping name (ICAO)	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (contains Dimethyl Ether)
Proper shipping name (ADN)	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (contains Dimethyl Ether)

14.3. Transport hazard class(es)

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

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	2
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

Section 15: Regulatory information

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

National regulations

Health and Safety at Work etc. Act 1974 (as amended).
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Control of Substances Hazardous to Health Regulations 2002 (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).
Guidance	The spraying of flammable liquids HSG178.
Restrictions (Annex XVII Regulation 1907/2006)	Entry number: 57- cyclohexane

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Section 16: Other information

Revision date	03/11/2020
Revision	22
Supersedes date	17/09/2019
Hazard statements in full	H220 Extremely flammable gas. H222 Extremely flammable aerosol. 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. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H361f Suspected of damaging fertility. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Store Between	5°c - 25°c
Contains SVHC	NO

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.