GROUND PRO 750ml Bitumen Tack Coat Sealer - Data Sheet
LM00270

GROUND PRO Bitumen Tack Coat Sealer is a cold applied sealant for vertical joints in asphalt and macadam, supplied as a 750ml aerosol for professional users only. The pages that follow set out the full safety data sheet information for this product.



- Product code: LM00270
- Cold applied sealant for vertical joints in asphalt and macadam
- Product form: aerosol (mixture), for professional users only
- Signal word: Danger — extremely flammable aerosol (H222, H229)
- Protect from sunlight; do not expose to temperatures exceeding 50 °C
- Transport: UN 1950 AEROSOLS, class 2.1

DOCUMENT SCOPE

This data sheet sets out the safety data sheet information for GROUND PRO 750ml Bitumen Tack Coat Sealer, prepared according to the REACH Regulation (EC) 1907/2006 as amended by Regulation (EU) 2020/878.

Document type	Safety Data Sheet (SDS)
Product name	GROUND PRO 750ml Bitumen Tack Coat Sealer
Product code	LM00270
Company name	CID Trading Limited
Address	Friden House, Unit 1, Clayton Wood Bank, Horsforth, Leeds, LS16 6QZ
Telephone	0113 201 1340
Email	sales@cidgroup.co.uk

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING — 1.1 PRODUCT IDENTIFIER

Product form	Mixture
Product name	GROUND PRO 750ml Bitumen Tack Coat Sealer
Vaporizer	Aerosol

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Use of the substance/mixture	Special coatings

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier	CID Trading Limited
Address	Friden House, Unit 1, Clayton Wood Bank, Horsforth, Leeds, LS16 6QZ
Telephone	0113 201 1340
Email	sales@cidgroup.co.uk

1.4 EMERGENCY TELEPHONE NUMBER

Country/Area	Organisation	Emergency number
United Kingdom	NHS 111/NHS 24/NHS Direct. or call a doctor	111 0845 4647
United Kingdom	National Poisons Information Service (Birmingham Centre). City Hospital. Dudley Road B18 7QH. Only for healthcare professionals	0344 892 0111

SECTION 2: HAZARDS IDENTIFICATION — 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard class and category	Hazard statement
Aerosol, Category 1	H222; H229
Specific target organ toxicity – Repeated exposure, Category 1	H372
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412

Full text of H- and EUH-statements: see Section 16. Adverse physicochemical, human health and environmental effects: pressurised container; may burst if heated. Extremely flammable aerosol.

2.2 LABEL ELEMENTS — HAZARD PICTOGRAMS (CLP)



Signal word (CLP)	Danger
Contains	NAPTHA (PETROLEUM), HYDRODESUFURIZED HEAVY
Hazard statements (CLP)	H222 - Extremely flammable aerosol. H229 - Pressurised container: May burst if heated. H372 - Causes damage to organs through prolonged or repeated exposure. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F. 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. P261 - Avoid breathing vapours, spray. P314 - Get medical advice/attention if you feel unwell. Dispose of in accordance with relevant local regulations. P102 - Keep out of reach of children.
EUH-statements	EUH066 - Repeated exposure may cause skin dryness or cracking.
Extra phrases	For professional users only.

2.3 OTHER HAZARDS

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS — 3.2 MIXTURES

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
PAVING GRADE BITUMEN substance with national workplace exposure limit(s) (GB)	CAS-No.: 8052-42-4	≥ 20 – < 50	Not classified
PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS substance with national workplace exposure limit(s) (GB)	CAS-No.: 68476-85-7 EC-No.: 270-704-2 REACH-no: 2119463258-33-XXXX	≥ 20 – < 50	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
DIMETHYL ETHER substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 115-10-6 EC-No.: 204-065-8 REACH-no: 01-2119472128-37	≥ 20 – < 50	Flam. Gas 1A, H220 STOT SE 3, H336
NAPTHA (PETROLEUM), HYDRODESUFURIZED HEAVY substance with a Community workplace exposure limit	CAS-No.: 64742-82-1 EC-No.: 919-446-0 EC Index-No.: 649-330-00-2	≥ 1 – < 20	STOT SE 3, H336 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS substance with a Community workplace exposure limit	EC-No.: 919-857-5 REACH-no: 01-2119463258-33	≥ 5 – < 10	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304
XYLENE substance with national workplace exposure limit(s) (GB, NL); substance with a Community workplace exposure limit	CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216-32	≥ 1 – < 5	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
1,2,4-TRIMETHYLBENZENE substance with a Community workplace exposure limit	CAS-No.: 95-63-6 EC-No.: 202-436-9 EC Index-No.: 601-043-00-3	< 5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA	CAS-No.: 64742-95-6 EC-No.: 265-199-0 EC Index-No.: 649-356-00-4	< 5	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
ETHANOL substance with national workplace exposure limit(s) (GB)	CAS-No.: 64-17-5 EC-No.: 200-578-6	< 5	Flam. Liq. 2, H225 Eye Irrit. 2, H319

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
QUARTZ substance with national workplace exposure limit(s) (NL); substance with a Community workplace exposure limit	CAS-No.: 14808-60-7 EC-No.: 238-878-4	< 1	Not classified
METHANOL substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X	< 1	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 (ATE=100 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight) Acute Tox. 3 (Inhalation:dust,mist), H331 (ATE=0.5 mg/l/4h) STOT SE 1, H370

Product subject to CLP Annex I, item 1.1.3.7. The disclosure rules of the components is modified in this case. Full text of H- and EUH-statements: see Section 16.

SECTION 4: FIRST AID MEASURES — 4.1 DESCRIPTION OF FIRST AID MEASURES

First-aid measures general	IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Symptoms/effects after inhalation	Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/effects after skin contact	Contact with the liquefied gas may cause frostbite. May cause moderate irritation.
Symptoms/effects after eye contact	May cause eye irritation.
Symptoms/effects after ingestion	May cause irritation to the digestive tract.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treatment	Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES — 5.1 EXTINGUISHING MEDIA

Suitable extinguishing media	Dry powder. Foam. Carbon dioxide. Water fog.
Unsuitable extinguishing media	Do not use a water jet since it may cause the fire to spread.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Fire hazard	Extremely flammable aerosol.
Explosion hazard	Pressurised container: May burst if heated. May form flammable/explosive vapour-air mixture. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.
Hazardous decomposition products in case of fire	Toxic fumes may be released.

5.3 ADVICE FOR FIREFIGHTERS

Precautionary measures fire	Eliminate all ignition sources if safe to do so. Evacuate area. Fight fire remotely due to the risk of explosion. Cool down the containers exposed to heat with a water spray.
Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES — 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Non-emergency personnel — Protective equipment	Ensure there is adequate ventilation.
Non-emergency personnel — Emergency procedures	Ventilate spillage area. No open flames, no sparks, and no smoking.
Emergency responders — Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 – 6.4 ENVIRONMENTAL PRECAUTIONS, CONTAINMENT AND CLEANING UP

6.2 Environmental precautions	Avoid release to the environment.
6.3 Containment — For containment	Remove all sources of ignition.
6.3 Containment — Methods for cleaning up	Absorb remaining liquid with sand or inert absorbent and remove to safe place.
6.3 Containment — Other information	Dispose of materials or solid residues at an authorized site.
6.4 Reference to other sections	For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE — 7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions for safe handling	Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
Hygiene measures	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

WWW.CIDGROUP.CO.UK | SALES@CIDGROUP.CO.UK | 0113 201 1340
CID Trading LTD, Friden House, Unit 1, Clayton Wood Bank, Horsforth, Leeds, LS16 6QZ

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool.
7.3 Specific end use(s)	For further information refer to section 1.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION — 8.1 CONTROL PARAMETERS (NATIONAL OCCUPATIONAL EXPOSURE AND BIOLOGICAL LIMIT VALUES)

Substance (CAS-No.)	Limit type / local name	TWA	STEL	Remark	Regulatory reference
NAPTHA (PETROLEUM), HYDRODESUFURIZED HEAVY (64742-82-1)	EU IOEL — White spirit Type 1	116 mg/m³ · 20 ppm	290 mg/m³ · 50 ppm	Skin. (Year of adoption 2007)	SCOEL Recommendations
PAVING GRADE BITUMEN (8052-42-4)	UK WEL — Asphalt	5 mg/m³ petroleum fumes	10 mg/m³ petroleum fumes		EH40/2005 (Fourth edition, 2020). HSE
XYLENE (1330-20-7)	EU IOEL — Xylene, mixed isomers, pure	221 mg/m³ · 50 ppm	442 mg/m³ · 100 ppm	Skin	Commission Directive 2000/39/EC
XYLENE (1330-20-7)	UK WEL — Xylene	220 mg/m³ · 50 ppm (o-,m-,p- or mixed isomers)	441 mg/m³ · 100 ppm (o-,m-,p- or mixed isomers)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	EH40/2005 (Fourth edition, 2020). HSE
XYLENE (1330-20-7)	UK biological limit value (BMGV) — Xylene, o-, m-, p- or mixed isomers	650 mmol/mol creatinine. Parameter: methyl hippuric acid. Medium: urine. Sampling time: post shift			EH40/2005 (Fourth edition, 2020). HSE
1,2,4-TRIMETHYLBENZENE (95-63-6)	EU IOEL — 1,2,4-Trimethylbenzene	100 mg/m³ · 20 ppm			Commission Directive 2000/39/EC
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	EU IOEL		290 mg/m³		
QUARTZ (14808-60-7)	EU IOEL — Silica crystaline (Quartz)	0.05 mg/m³ (respirable dust)		Year of adoption 2003	SCOEL Recommendations
ETHANOL (64-17-5)	UK WEL — Ethanol	1920 mg/m³ · 1000 ppm	5760 mg/m³ · 3000 ppm*	*STEL value is calculated based on the TWA limit	EH40/2005 (Fourth edition, 2020). HSE
METHANOL (67-56-1)	EU IOEL — Methanol	260 mg/m³ · 200 ppm		Skin	Commission Directive 2006/15/EC
METHANOL (67-56-1)	UK WEL — Methanol	266 mg/m³ · 200 ppm	333 mg/m³ · 250 ppm	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	EH40/2005 (Fourth edition, 2020). HSE

Substance (CAS-No.)	Limit type / local name	TWA	STEL	Remark	Regulatory reference
PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7)	UK WEL — Liquefied petroleum gas	1750 mg/m³ · 1000 ppm	2180 mg/m³ · 1250 ppm	Carc (Capable of causing cancer and/or heritable genetic damage (only applies if LPG contains more than 0.1% of buta-1,3-diene))	EH40/2005 (Fourth edition, 2020). HSE
DIMETHYL ETHER (115-10-6)	EU IOEL — Dimethylether	1920 mg/m³ · 1000 ppm			Commission Directive 2000/39/EC
DIMETHYL ETHER (115-10-6)	UK WEL — Dimethyl ether	766 mg/m³ · 400 ppm	958 mg/m³ · 500 ppm		EH40/2005 (Fourth edition, 2020). HSE

8.2 EXPOSURE CONTROLS

Appropriate engineering controls	Ensure good ventilation of the work station.

PERSONAL PROTECTIVE EQUIPMENT SYMBOL(S)



Eye protection	Safety glasses
Skin and body protection	Wear suitable protective clothing
Hand protection	Protective gloves
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment
Environmental exposure controls	Avoid release to the environment.

EYE PROTECTION

Type	Field of application	Characteristics	Standard
Safety goggles	Droplet	Plastic	EN 166

HAND PROTECTION

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)				EN 374-2

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES — 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Colour	Not available

Appearance	Aerosol.
Odour	Not available
Odour threshold	Not available
Melting point	Not applicable
Freezing point	Not available
Boiling point	Not available
Flammability	Extremely flammable aerosol.
Explosive properties	Pressurised container: May burst if heated.
Lower explosion limit	Not available
Upper explosion limit	Not available
Flash point	< -40 °C Data stated for propellant.
Auto-ignition temperature	410 – 580 °C Data stated for propellant.
Decomposition temperature	Not available
pH	Not available
Viscosity, kinematic	Not available
Solubility	Not available
Partition coefficient n-octanol/water (Log Kow)	Not available
Vapour pressure	590 – 1760 hPa @45 degrees Centigrade. Data stated for propellant.
Vapour pressure at 50°C	Not available
Density	Not available
Relative density	Not available
Relative vapour density at 20°C	Not available
Particle characteristics	Not applicable

9.2 OTHER INFORMATION — INFORMATION WITH REGARD TO PHYSICAL HAZARD CLASSES

% of flammable ingredients	62.989 %

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Extremely flammable aerosol. Pressurised container: May burst if heated.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
10.4 Conditions to avoid	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Direct sunlight.

10.5 Incompatible materials	No additional information available
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION — 11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not classified
Vaporizer	Aerosol

11.1 TOXICOLOGICAL DATA BY SUBSTANCE

Substance (CAS-No.)	Parameter	Result
XYLENE (1330-20-7)	LD50 oral	4300 mg/kg bodyweight
XYLENE (1330-20-7)	LD50 dermal rabbit	12126 mg/kg bodyweight. Animal: rabbit, Animal sex: male, Remarks on results: other:
XYLENE (1330-20-7)	LD50 dermal	> 5000 mg/kg bodyweight
XYLENE (1330-20-7)	LC50 Inhalation - Rat (Dust/Mist)	> 10000 mg/l
1,2,4-TRIMETHYLBENZENE (95-63-6)	LD50 oral rat	6000 mg/kg bodyweight. Animal: rat, Animal sex: male, Guideline: EU Method B.1 (Acute Toxicity (Oral)), 95% CL: 4920 - 7320
1,2,4-TRIMETHYLBENZENE (95-63-6)	LC50 Inhalation - Rat	10.2 mg/l air. Animal: rat, Remarks on results: other:
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA (64742-95-6)	LD50 dermal rabbit	> 3160 mg/kg bodyweight. Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA (64742-95-6)	LC50 Inhalation - Rat	> 6193 mg/l air. Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	LD50 dermal rat	> 2000 mg/kg bodyweight. Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Substance (CAS-No.)	Parameter	Result
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	LD50 dermal rabbit	≥ 3160 mg/kg bodyweight. Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	Viscosity, kinematic	1.33 mm²/s. Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'
QUARTZ (14808-60-7)	LD50 oral	500 mg/kg bodyweight
ETHANOL (64-17-5)	pH	pH (diluted solution): 5.3 100g/L at 20°C
NAPTHA (PETROLEUM), HYDRODESUFURIZED HEAVY (64742-82-1)	STOT-single exposure	May cause drowsiness or dizziness.
XYLENE (1330-20-7)	STOT-single exposure	May cause respiratory irritation.
1,2,4-TRIMETHYLBENZENE (95-63-6)	STOT-single exposure	May cause respiratory irritation.
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA (64742-95-6)	STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	STOT-single exposure	May cause drowsiness or dizziness.
METHANOL (67-56-1)	STOT-single exposure	Causes damage to organs.
DIMETHYL ETHER (115-10-6)	STOT-single exposure	May cause drowsiness or dizziness.
NAPTHA (PETROLEUM), HYDRODESUFURIZED HEAVY (64742-82-1)	STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
XYLENE (1330-20-7)	LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight. Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)
XYLENE (1330-20-7)	STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
1,2,4-TRIMETHYLBENZENE (95-63-6)	NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight. Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
1,2,4-TRIMETHYLBENZENE (95-63-6)	NOAEC (inhalation, rat, vapour, 90 days)	1.8 mg/l air. Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA (64742-95-6)	NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight. Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7)	LOAEC (inhalation, rat, gas, 90 days)	12000 ppm. Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:

11.2 INFORMATION ON OTHER HAZARDS

Endocrine disrupting properties — adverse health effects	None known

SECTION 12: ECOLOGICAL INFORMATION — 12.1 TOXICITY

Ecology - general	Harmful to aquatic life.
Hazardous to the aquatic environment, short–term (acute)	Not classified

Hazardous to the aquatic environment, long–term (chronic)	Harmful to aquatic life with long lasting effects.

12.1 ECOTOXICITY DATA BY SUBSTANCE

Substance (CAS-No.)	Parameter	Result
XYLENE (1330-20-7)	LC50 - Fish [1]	> 86 mg/l
XYLENE (1330-20-7)	EC50 - Crustacea [1]	> 3.4 mg/l. Test organisms (species): Ceriodaphnia dubia
XYLENE (1330-20-7)	EC50 - Other aquatic organisms [1]	350 mg/l waterflea
XYLENE (1330-20-7)	LOEC (chronic)	3.16 mg/l. Test organisms (species): Daphnia magna. Duration: '21 d'
XYLENE (1330-20-7)	NOEC chronic fish	> 1.3 mg/l. Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri). Duration: '56 d'
1,2,4-TRIMETHYLBENZENE (95-63-6)	LC50 - Fish [1]	7.72 mg/l. Test organisms (species): Pimephales promelas
1,2,4-TRIMETHYLBENZENE (95-63-6)	EC50 96h - Algae [1]	2356 mg/l. Test organisms (species): other:
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA (64742-95-6)	EC50 72h - Algae [1]	0.42 mg/l. Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA (64742-95-6)	EC50 72h - Algae [2]	0.29 mg/l. Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	LC50 - Fish [1]	> 1000 mg/l
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	EC50 - Other aquatic organisms [1]	> 1000 mg/l waterflea
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	EC50 - Other aquatic organisms [2]	> 1000 mg/l

12.2 PERSISTENCE AND DEGRADABILITY

Substance	Persistence and degradability
The product (aerosol)	Not rapidly degradable
NAPTHA (PETROLEUM), HYDRODESUFURIZED HEAVY (64742-82-1)	Not rapidly degradable
PAVING GRADE BITUMEN (8052-42-4)	Not rapidly degradable
XYLENE (1330-20-7)	Not rapidly degradable
1,2,4-TRIMETHYLBENZENE (95-63-6)	Not rapidly degradable
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA (64742-95-6)	Not rapidly degradable
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	Not rapidly degradable
QUARTZ (14808-60-7)	Not rapidly degradable
ETHANOL (64-17-5)	Not rapidly degradable
METHANOL (67-56-1)	Not rapidly degradable
PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7)	Not rapidly degradable
DIMETHYL ETHER (115-10-6)	Not rapidly degradable

12.3 – 12.7 BIOACCUMULATION, MOBILITY AND OTHER EFFECTS

12.3 Bioaccumulative potential — XYLENE (1330-20-7), Partition coefficient n-octanol/water (Log Pow)	3.1
12.4 Mobility in soil	No additional information available
12.5 Results of PBT and vPvB assessment	No additional information available
12.6 Endocrine disrupting properties	No additional information available
12.7 Other adverse effects	Volatile Organic Compounds (VOC).

SECTION 13: DISPOSAL CONSIDERATIONS — 13.1 WASTE TREATMENT METHODS

Waste treatment methods Comply with local regulations for disposal.

HP Code

HP3 - "Flammable:"

- flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
- flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
- flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
- flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
- water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
- other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment.

SECTION 14: TRANSPORT INFORMATION (IN ACCORDANCE WITH ADR / IMDG / IATA / ADN / RID)

	ADR	IMDG	IATA	ADN	RID
14.1 UN number or ID number	UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Transport document description	UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1	UN 1950 AEROSOLS, 2.1	UN 1950 AEROSOLS, 2.1
14.3 Transport hazard class(es)	2.1	2.1	2.1	2.1	2.1
14.4 Packing group	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

	ADR	IMDG	IATA	ADN	RID
14.5 Environmental hazards	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-D EmS-No. (Spillage): S-U	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No

No supplementary information available.

14.6 SPECIAL PRECAUTIONS FOR USER — OVERLAND TRANSPORT

Classification code (ADR)	5F
Special provisions (ADR)	190, 327, 344, 625
Limited quantities (ADR)	1l
Excepted quantities (ADR)	E0
Packing instructions (ADR)	P207, LP200
Special packing provisions (ADR)	PP87, RR6, L2
Mixed packing provisions (ADR)	MP9
Transport category (ADR)	2
Special provisions for carriage - Packages (ADR)	V14
Special provisions for carriage - Loading, unloading and handling (ADR)	CV9, CV12
Special provisions for carriage - Operation (ADR)	S2
Tunnel restriction code (ADR)	D

TRANSPORT BY SEA

Special provisions (IMDG)	63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	SP277
Excepted quantities (IMDG)	E0
Packing instructions (IMDG)	P207, LP200
Special packing provisions (IMDG)	PP87, L2
Stowage category (IMDG)	None
Stowage and handling (IMDG)	SW1, SW22
Segregation (IMDG)	SG69

AIR TRANSPORT

PCA Excepted quantities (IATA)	E0
PCA Limited quantities (IATA)	Y203
PCA limited quantity max net quantity (IATA)	30kgG
PCA packing instructions (IATA)	203
PCA max net quantity (IATA)	75kg
CAO packing instructions (IATA)	203
CAO max net quantity (IATA)	150kg
Special provisions (IATA)	A145, A167, A802
ERG code (IATA)	10L

INLAND WATERWAY TRANSPORT

Classification code (ADN)	5F
Special provisions (ADN)	190, 327, 344, 625
Limited quantities (ADN)	1 L
Excepted quantities (ADN)	E0
Equipment required (ADN)	PP, EX, A
Ventilation (ADN)	VE01, VE04
Number of blue cones/lights (ADN)	1

RAIL TRANSPORT

Classification code (RID)	5F
Special provisions (RID)	190, 327, 344, 625
Limited quantities (RID)	1L
Excepted quantities (RID)	E0
Packing instructions (RID)	P207, LP200
Special packing provisions (RID)	PP87, RR6, L2
Mixed packing provisions (RID)	MP9
Transport category (RID)	2
Special provisions for carriage - Packages (RID)	W14
Special provisions for carriage - Loading, unloading and handling (RID)	CW9, CW12

Colis express (express parcels) (RID)	CE2
Hazard identification number (RID)	23

14.7 Maritime transport in bulk according to IMO instruments: Not applicable.

SECTION 15: REGULATORY INFORMATION — 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE (EU REGULATIONS)

REACH Annex XVII (Restriction List)	Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)
REACH Annex XIV (Authorisation List)	Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
REACH Candidate List (SVHC)	Contains no substance(s) listed on the REACH Candidate List
PIC Regulation (Prior Informed Consent)	Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)
POP Regulation (Persistent Organic Pollutants)	Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)
Ozone Regulation (2024/590)	Not listed on the Ozone Depletion list (Regulation EU 2024/590). Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)
Council Regulation (EC) for the control of dual-use items	Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items
Explosives Precursors Regulation (EU 2019/1148)	Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
Drug Precursors Regulation (EC 273/2004)	Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)
15.2 Chemical safety assessment	No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION — ABBREVIATIONS AND ACRONYMS

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	NOAEC	No-Observed Adverse Effect Concentration
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	NOAEL	No-Observed Adverse Effect Level
ATE	Acute Toxicity Estimate	NOEC	No-Observed Effect Concentration
BCF	Bioconcentration factor	OECD	Organisation for Economic Co-operation and Development
BLV	Biological limit value	OEL	Occupational Exposure Limit
BOD	Biochemical oxygen demand (BOD)	PBT	Persistent Bioaccumulative Toxic
COD	Chemical oxygen demand (COD)	PNEC	Predicted No-Effect Concentration
DMEL	Derived Minimal Effect level	RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
DNEL	Derived-No Effect Level	SDS	Safety Data Sheet
EC-No.	European Community number	STP	Sewage treatment plant
EC50	Median effective concentration	ThOD	Theoretical oxygen demand (ThOD)

EN	European Standard	TLM	Median Tolerance Limit
IARC	International Agency for Research on Cancer	VOC	Volatile Organic Compounds
IATA	International Air Transport Association	CAS-No.	Chemical Abstracts Service number
IMDG	International Maritime Dangerous Goods	N.O.S.	Not Otherwise Specified
LC50	Median lethal concentration	vPvB	Very Persistent and Very Bioaccumulative
LD50	Median lethal dose	ED	Endocrine disruptor
LOAEL	Lowest Observed Adverse Effect Level		

FULL TEXT OF H- AND EUH-STATEMENTS

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3	H225	Highly flammable liquid and vapour.
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3	H226	Flammable liquid and vapour.
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	H229	Pressurised container: May burst if heated.
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	H280	Contains gas under pressure; may explode if heated.
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	H301	Toxic if swallowed.
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	H311	Toxic in contact with skin.
Asp. Tox. 1	Aspiration hazard, Category 1	H312	Harmful in contact with skin.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	H315	Causes skin irritation.
Flam. Gas 1A	Flammable gases, Category 1A	H319	Causes serious eye irritation.
Flam. Liq. 2	Flammable liquids, Category 2	H331	Toxic if inhaled.
Flam. Liq. 3	Flammable liquids, Category 3	H332	Harmful if inhaled.
Press. Gas (Liq.)	Gases under pressure : Liquefied gas	H335	May cause respiratory irritation.
Skin Irrit. 2	Skin corrosion/irritation, Category 2	H336	May cause drowsiness or dizziness.
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1	H370	Causes damage to organs.
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2	H372	Causes damage to organs through prolonged or repeated exposure.
STOT SE 1	Specific target organ toxicity – single exposure, Category 1	H373	May cause damage to organs through prolonged or repeated exposure.
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis	H411	Toxic to aquatic life with long lasting effects.
H220	Extremely flammable gas.	H412	Harmful to aquatic life with long lasting effects.
H222	Extremely flammable aerosol.	EUH066	Repeated exposure may cause skin dryness or cracking.

The classification complies with: ATP 12. Safety Data Sheet (SDS), EU. This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.