

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010 Issue date: 5/24/2024 Revision date: 5/24/2026 Version: 1.1

SECTION 1: Identification

1.1. Product identifier			
Type of product: VehicProduct code: SH54	re n Vinyl, Plastic & Rubber Care - Strawberry le Interior Aerosol Dashboard Spray Cleaner , SH241 product		
1.2. Relevant identified uses of the substance or mi	ixture and uses advised against		
Use of the substance/mixture : Use of the substance/mixture : Clean	s and restores vinyl, plastic and rubber		
1.3. Supplier's details			
Manufacturer Shield Chemicals (Pty) Ltd 9 London Rd Apex P.O. Box 1939 1501 Benoni – Gauteng South Africa T (011) 421 7111 Contact: Jayson Clark			
1.4. Emergency telephone number			
Emergency number : (011)	421 7111		
SECTION 2: Hazards identification			
2.1. Classification of the substance or mixture			
Classification according to the United Nations GHS			
Aerosol, Category 1 Skin corrosion/irritation, Category 2 Skin sensitisation, Category 1 Reproductive toxicity, Additional category, Effects on or via lac Specific target organ toxicity – Single exposure, Category 3, N Specific target organ toxicity – Repeated exposure, Category 2 Hazardous to the aquatic environment – Acute Hazard Not cla	larcosis H336 2 H373		

2.2. Label elements

Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA)

Signal word (GHS-ZA) Hazardous ingredients Hazard statements (GHS ZA)



- hexane, heptane, n-pentane, C11-C15 IsoalkanesH222 Extremely flammable aerosol
 - H229 Pressurised container: May burst if heated
 - H315 Causes skin irritation
 - H317 May cause an allergic skin reaction
 - H336 May cause drowsiness or dizziness
 - H362 May cause harm to breast-fed children

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Precautionary statements (GHS ZA)	 H373 - May cause damage to organs (Respiratory tract, Skin) through prolonged or repeated exposure (Oral, Inhalation, Dermal) H411 - Toxic to aquatic life with long lasting effects P203 - Obtain, read and follow all safety instructions before use. 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 dusts or mists. P261 - Avoid breathing vapours, spray, gas. P263 - Avoid contact during pregnancy and while nursing. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear eye protection, face protection. P302+P352 - IF ON SKIN: Wash with plenty of soap and water IF INHALED: Remove person to fresh air and keep comfortable for breathing. P318 - IF exposed or concerned, get medical advice. P319 - Get medical help if you feel unwell. P321 - Specific treatment (see supplemental first aid instruction on this label). P332+P317 - If skin irritation occurs: Get medical help. P334+P317 - If skin irritation or rash occurs: Get medical help. P334+P317 - If skin irritation or rash occurs: Get medical help. P334+P34 - Take off contaminated clothing and wash it before reuse. P391 - Collect spillage. P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
	 P403+P233 - Store in a weil-ventilated place. Keep container tightly closed. P405 - Store locked up. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C. P501 - Dispose of contents and container to a hazardous or special waste collection point.
2.3. Other hazards	
Adverse physicochemical, human health and : environmental effects	Highly flammable liquid and vapour, May cause harm to breast-fed children, May cause damage to organs through prolonged or repeated exposure, May cause drowsiness or dizziness, Harmful in contact with skin, Causes skin irritation, May cause an allergic skin

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
hexane	CAS-No.: 110-54-3 EC Index-No.: 601-037-00-0	21.0 - 45.0	Flam. Liq. 2, H225 Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313 Skin Irrit. 2, H315 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
butane, liquefied, under pressure	CAS-No.: 106-97-8 EC Index-No.: 601-004-00-0	20.0 - 30.0	Flam. Gas 1, H220 Pyr. Gas Not classified Press. Gas (Liq.), H280 Acute Tox. Not classified (Inhalation:gas)

reaction, Toxic to aquatic life, Toxic to aquatic life with long lasting effects.

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Name	Product identifier	%	Classification according to the United Nations GHS
heptane	CAS-No.: 142-82-5 EC Index-No.: 601-008-00-2	10.0 - 15.0	Flam. Liq. 2, H225 Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
n-pentane	CAS-No.: 109-66-0 EC Index-No.: 601-006-00-1	5.0 - 10.0	Flam. Liq. 2, H225 Acute Tox. 5 (Oral), H303 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Silicone	CAS-No.: 63148-62-9	1.0 - 5.0	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313
propane	CAS-No.: 74-98-6 EC Index-No.: 601-003-00-5	10.0 - 15.0	Flam. Gas 1, H220 Pyr. Gas Not classified Press. Gas (Liq.), H280 Acute Tox. Not classified (Inhalation:gas) Aquatic Acute Not classified

SECTION 4: First aid measures			
4.1. Description of first aid measures	i de la constante de la constan		
First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.		
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.		
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.		
First-aid measures after eye contact	: Rinse eyes with water as a precaution.		
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.		
4.2. Most important symptoms and e	ffects, both acute and delayed		
Symptoms/effects	: May cause drowsiness or dizziness.		
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.		
4.3 Indication of any immediate med	ical attention and special treatment needed		

Treat symptomatically.

SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.		
5.2. Special hazards arising from the substance or mixture			
Fire hazard Hazardous decomposition products in case of fire	Highly flammable liquid and vapour.Toxic fumes may be released.		
5.3. Advice for firefighters			
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		

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SECTION 6: Accidental release measures		
6.1. Personal precautions, protective ed	quipment and emergency procedures	
No additional information available		
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe mist, vapours. Avoid contact with skin, eyes and clothing.	
6.1.2. For 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. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for containment and cleaning up		
For containment	: Collect spillage.	
Methods for cleaning up	 Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. 	
Other information	Dispose of materials or solid residues at an authorized site.	

SECTION 7: Handling and stora	ige	
7.1. Precautions for safe handling		
Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Avoid contact during pregnancy/while nursing. Do not breathe mist, vapours. Use only outdoors or in a well-ventilated area. Do not get in eyes, on skin, or on clothing.	
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2. Conditions for safe storage, including any incompatibilities		

Technical measures	: Ground/bond container and receiving equipment.	
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.	

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

hexane (110-54-3)		
South Africa - Occupational Exposure Limits (Restricted Limits)		
Local name	n-Hexane	
RHCA - STEL/C [ppm]	100 ppm	
Remark	SKIN (danger of cutaneous absorption)	
Regulatory reference	Government Notice No. R. 280, 2021	
South Africa - Occupational Exposure Limits (Airborne Pollutants)		
Local name	n-Hexane	
OEL TWA 70 mg/m ³		

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hexane (110-54-3)		
OEL TWA	20 ppm	
Regulatory reference	Government Notice No. R 904	
butane, liquefied, under pressure (106	S-97-8)	
South Africa - Occupational Exposure Limits (Airborne Pollutants)		
Local name	n-Butane	
OEL TWA	1430 mg/m ³	
OEL TWA	600 ppm	
OEL STEL	1780 mg/m³	
OEL STEL	750 ppm	
Regulatory reference	Government Notice No. R 904	
propane (74-98-6)		
South Africa - Occupational Exposure Lim	its (Airborne Pollutants)	
Local name	Propane	
OEL TWA	1800 mg/m³	
OEL TWA	1000 ppm	
Regulatory reference	Government Notice No. R 904	
8.2. Appropriate engineering controls		
Appropriate engineering controls	: Ensure good ventilation of the work station.	
Environmental exposure controls	: Avoid release to the environment.	
8.3. Individual protection measures, s	uch as personal protective equipment (PPE)	
Hand protection	: Protective gloves	
Eye protection	: Safety glasses	
Skin and body protection	: Wear suitable protective clothing	
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment	
Personal protective equipment symbol(s):		
8.4. Exposure limit values for the othe	r components	
No additional information available		

0.1 Information of	n basia nhysiaal and	chemical properties
9.1. Information of	n pasic physical and	chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: clear.
Odour	: Strawberry.
Odour threshold	: No data available
рН	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable

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Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability	: Not applicable
Vapour pressure	: No data available
Vapour pressure at 50°C	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Relative density of saturated gas/air mixture	: No data available
Density	: No data available
Relative gas density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Partition coefficient n-octanol/water (Log Kow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
Highly flammable liquid and vapour.
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.
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 toxicological effects		
Acute toxicity (oral) Acute toxicity (dermal)	-	Not classified Not classified
Acute toxicity (inhalation)	:	Not classified

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hexane (110-54-3)	
LD50 oral rat	16000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	> 3350 mg/kg bodyweight (Equivalent or similar to OECD 402, 4 h, Rabbit, Male, Read- across, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 17.6 mg/l air (Equivalent or similar to OECD 403, 24 h, Rat, Male, Experimental value, Inhalation (vapours))
heptane (142-82-5)	
LD50 oral rat	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Read- across, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 29.29 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), > 4 day(s))
n-pentane (109-66-0)	
LD50 oral rat	> 2000 mg/kg (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LC50 Inhalation - Rat	> 20 mg/l air (4 h, Rat, Male / female, Experimental value, Inhalation (vapours))
butane, liquefied, under pressure (10	06-97-8)
LC50 Inhalation - Rat	1442.738 – 1443 mg/l 15 MIN
LC50 Inhalation - Rat [ppm]	800000 ppm 15 MIN
Silicone (63148-62-9)	
LD50 oral rat	> 15400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
propane (74-98-6)	
LC50 Inhalation - Rat [ppm]	> 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases))
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity Reproductive toxicity	: Not classified
STOT-single exposure	 May cause harm to breast-fed children. May cause drowsiness or dizziness.
hexane (110-54-3)	
STOT-single exposure	Not available
heptane (142-82-5)	
STOT-single exposure	Not available
n-pentane (109-66-0)	
STOT-single exposure	Not available
STOT-repeated exposure	 May cause damage to organs (Respiratory tract, Skin) through prolonged or repeated exposure (Oral, Inhalation, Dermal).
hexane (110-54-3)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

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Sheen Vinyl, Plastic & Rubber Care - Strawber	rry
Vaporizer	Aerosol
hexane (110-54-3)	
Animal studies and expert judgment for classification	False
heptane (142-82-5)	
Animal studies and expert judgment for classification	False
n-pentane (109-66-0)	
Animal studies and expert judgment for classification	False
butane, liquefied, under pressure (106-97-8)	
Animal studies and expert judgment for classification	False
Silicone (63148-62-9)	
Animal studies and expert judgment for classification	False
propane (74-98-6)	
Animal studies and expert judgment for classification	False

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term : (acute)	Toxic to aquatic life. Toxic to aquatic life with long lasting effects. Not classified. Toxic to aquatic life with long lasting effects.
(chronic)	
hexane (110-54-3)	
BCF - Fish [1]	501.187 (Pimephales promelas, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	4 (Experimental value, Equivalent or similar to OECD 107, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.34 (log Koc, QSAR)
heptane (142-82-5)	
EC50 72h - Algae [1]	4.338 mg/l (Pseudokirchneriella subcapitata, Fresh water, QSAR, Biomass)
BCF - Other aquatic organisms [1]	552 (BCFBAF v3.00, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	4.5 (Literature)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.38 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
n-pentane (109-66-0)	
LC50 - Fish [1]	4.3 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	2.7 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value)
ErC50 algae	11 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Selenastrum capricornutum, Static system, Fresh water, Experimental value, GLP)
Partition coefficient n-octanol/water (Log Pow)	3.5 (Experimental value, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.9 (log Koc, QSAR)

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LC50 - Fish [1] 1000 mg/l (96 h, Pimephales promelas, QSAR) Partition coefficient n-octanol/water (Log Pow) 2.8 (Experimental value, 20 °C) propane (74-98-6) EC50 - Fish [1] LC50 - Fish [1] 50 mg/l (96 h, Pisces, Fresh water, QSAR, Estimated value) Partition coefficient n-octanol/water (Log Pow) 1.1 – 2.8 (Experimental value, 20 °C) 12.2. Persistence and degradability 1.1 – 2.8 (Experimental value, 20 °C) Sheen Vinyl, Plastic & Rubber Care - Strawberry Persistence and degradability No additional information available hexane (110-54-3) Persistence and degradability Biodegradable in the soil. Readily biodegradable in water. ThOD 3.52 g O_2/g substance heptane (142-82-5) Persistence and degradability Biochemical oxygen demand (BOD) 1.92 g O_2/g substance Chemical oxygen demand (BOD) 0.06 g O_2/g substance ThOD 3.52 g O_2/g substance Presistence and degradability Readily biodegradable in water. Phoptane (109-66-0) 0.06 g O_2/g substance Persistence and degradability Readily biodegradable in water. butane, liquefied, under pressure (106-97-8) Persistence and degradability Persistence and degradability Read	butane, liquefied, under pressure (106-97-8)	
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Apptane (142-82-5) Persistence and degradability Biodegradable in the soil. Readily biodegradable in water. Biochemical oxygen demand (BOD) 1.92 g O_/g substance Chemical oxygen demand (COD) 0.06 g O_/g substance ThOD 3.52 g O_/g substance n-pentane (109-66-0) Readily biodegradable in water. Persistence and degradability Readily biodegradable in water. butane, liquefied, under pressure (106-97-8) Persistence and degradability Persistence and degradability Readily biodegradable in water. propane (74-98-6) Persistence and degradability Persistence and degradability Readily biodegradable in water. 12.3. Bioaccumulative potential Readily biodegradable in water. Bioaccumulative potential No additional information available hexane (110-54-3) Sol 1.187 (Pimephales promelas, Calculated value) Partition coefficient n-octanol/water (Log Pow) 4 (Experimental value, Equivalent or similar to OECD 107, 20 °C) Organic Carbon Normalized Adsorption Coefficient (Log Koc, QSAR) Detontial for bioaccumulation (4 ≤ Log Kow ≤ 5). heptane (142-82-5) EF - Other aquatic organisms [1] 552 (BCFBAF V3.00, Calculated value) Partition	Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
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Persistence and degradability Readily biodegradable in water. 12.3. Bioaccumulative potential Image: Sheen Vinyl, Plastic & Rubber Care - Strawberry Bioaccumulative potential No additional information available hexane (110-54-3) Image: Sheen Vinyl, Plastic & Rubber Care - Strawberry Bioaccumulative potential No additional information available hexane (110-54-3) S01.187 (Pimephales promelas, Calculated value) Partition coefficient n-octanol/water (Log Pow) 4 (Experimental value, Equivalent or similar to OECD 107, 20 °C) Organic Carbon Normalized Adsorption Coefficient (Log Koc; QSAR) 3.34 (log Koc; QSAR) Bioaccumulative potential Potential for bioaccumulation (4 ≤ Log Kow ≤ 5). heptane (142-82-5) S52 (BCFBAF v3.00, Calculated value) Partition coefficient n-octanol/water (Log Pow) 4.5 (Literature) Partition coefficient n-octanol/water (Log Pow) 4.5 (Literature) Organic Carbon Normalized Adsorption Coefficient (Log Fow) 4.5 (Literature) Partition coefficient n-octanol/water (Log Pow) 4.5 (Literature) Organic Carbon Normalized Adsorption Coefficient (Log Koc; SRC PCKOCWIN v2.0, Calculated value) 2.38 (log Koc; SRC PCKOCWIN v2.0, Calculated value)	Persistence and degradability	Readily biodegradable in water.
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Organic Carbon Normalized Adsorption Coefficient (Log Koc)3.34 (log Koc, QSAR)Bioaccumulative potentialPotential for bioaccumulation (4 ≤ Log Kow ≤ 5).heptane (142-82-5)552 (BCFBAF v3.00, Calculated value)BCF - Other aquatic organisms [1]552 (BCFBAF v3.00, Calculated value)Partition coefficient n-octanol/water (Log Pow)4.5 (Literature)Organic Carbon Normalized Adsorption Coefficient (Log Koc)2.38 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	BCF - Fish [1]	501.187 (Pimephales promelas, Calculated value)
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Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.38 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	BCF - Other aquatic organisms [1]	552 (BCFBAF v3.00, Calculated value)
(Log Koc)	Partition coefficient n-octanol/water (Log Pow)	4.5 (Literature)
Bioaccumulative potential Potential for bioaccumulation (500 ≤ BCF ≤ 5000).		2.38 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
	Bioaccumulative potential	Potential for bioaccumulation (500 \leq BCF \leq 5000).

Safety Data Sheet

n-pentane (109-66-0) Partition coefficient n-octanol/water (Log Pow) 3.5 (Experimental value, 25 °C) Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.9 (log Koc, QSAR) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4). butane, liquefied, under pressure (106-97-8) Partition coefficient n-octanol/water (Log Pow) 2.8 (Experimental value, 20 °C) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4). propane (74-98-6) Partition coefficient n-octanol/water (Log Pow) Partition coefficient n-octanol/water (Log Pow) 1.1 – 2.8 (Experimental value, 20 °C) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4). propane (74-98-6) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4). 12.4. Mobility in soil No additional information available hexane (110-54-3) No additional information available hexane (110-54-3) 17.89 mN/m (25 °C, 1 g/l) Partition coefficient n-octanol/water (Log Pow) 4 (Experimental value, Equivalent or similar to OECD 107, 20 °C) Organic Carbon Normalized Adsorption Coefficient 3.34 (log Koc, QSAR)	
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Partition coefficient n-octanol/water (Log Pow) 4 (Experimental value, Equivalent or similar to OECD 107, 20 °C) Organic Carbon Normalized Adsorption Coefficient 3.34 (log Koc, QSAR)	
Organic Carbon Normalized Adsorption Coefficient 3.34 (log Koc, QSAR)	
Ecology - soil Low potential for mobility in soil.	
heptane (142-82-5)	
Surface tension 19.66 mN/m (25 °C)	
Partition coefficient n-octanol/water (Log Pow) 4.5 (Literature)	
Organic Carbon Normalized Adsorption Coefficient 2.38 (log Koc, SRC PCKOCWIN v2.0, Calculated value) (Log Koc) 2.38 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil Low potential for adsorption in soil.	
n-pentane (109-66-0)	
Surface tension 15.49 mN/m (25 °C, 100 %)	
Partition coefficient n-octanol/water (Log Pow) 3.5 (Experimental value, 25 °C)	
Organic Carbon Normalized Adsorption Coefficient 2.9 (log Koc, QSAR) (Log Koc)	
Ecology - soil Low potential for adsorption in soil.	
butane, liquefied, under pressure (106-97-8)	
Surface tension No data available in the literature	
Partition coefficient n-octanol/water (Log Pow) 2.8 (Experimental value, 20 °C)	
Ecology - soil Not applicable (gas).	
propane (74-98-6)	
Surface tension No data available in the literature	
Partition coefficient n-octanol/water (Log Pow) 1.1 – 2.8 (Experimental value, 20 °C)	
Ecology - soil Not applicable (gas).	

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according to SANS 10234:2019 and SANS 11014:2010

12.5. Other adverse effects

Ozone

Other adverse effects

: Not classified

ects : No additional information available

SECTION 13: Disposal considerations	
13.1. Disposal methods	
Waste treatment methods Additional information	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapours may accumulate in the container.

SECTION 14: Transport information	
In accordance with SANS / IMDG / IATA	

n accordance with SANS / IMDG / IATA	1	T
SANS	IMDG	ΙΑΤΑ
14.1. UN number		·
1950	1950	1950
14.2. Proper Shipping Name		
AEROSOLS	AEROSOLS	Aerosols, flammable
14.3. Transport hazard class(es)		
2.1	2.1	2.1
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes
No supplementary information available		-

SANS	
Special provisions (SANS)	: 63, 190
Limited quantities (SANS)	: See SP277
Limited quantities (SANS)	: See SP277
Packagings, large packagings and IBCs Packing instructions (SANS)	: P003
Packagings, large packagings and IBCs Special packing instructions (SANS)	: PP17, PP87
IMDG	
Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES
EmS-No. (Spillage)	: S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

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according to SANS 10234:2019 and SANS 11014:2010

ΙΑΤΑ	
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

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health, and environmental national regulations specific for the product

No additional information available

SECTION 16: Other information		
Issue date Revision date	: 24/05/2024 : 24/05/2026	
Full text of H-s	tatements	
H220	Extremely flammable gas	
H225	Highly flammable liquid and vapour	
H226	Flammable liquid and vapour	
H280	Contains gas under pressure; may explode if heated	
H302	Harmful if swallowed	
H303	May be harmful if swallowed	

H302	Harmful if swallowed
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H313	May be harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H362	May cause harm to breast-fed children
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

Full text of H-statements	
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet (SDS), South Africa

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.