



# Sheen Vinyl, Plastic & Rubber Care - Nu-car

## Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010  
Issue date: 6/22/2022 Revision date: 6/24/2024 Version: 1.1

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Sheen Vinyl, Plastic & Rubber Care - Nu-car  
Type of product : Vehicle Interior Aerosol Dashboard Spray Cleaner  
Product code : SH68, SH243  
Product group : Trade product

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

Use of the substance/mixture :  
Use of the substance/mixture : Cleans 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	H222;H229
Acute toxicity (dermal), Category 5	H313
Skin corrosion/irritation, Category 2	H315
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity – Repeated exposure, Category 2	H373
Hazardous to the aquatic environment – Acute Hazard, Category 2	H401
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

Full text of H-statements: see section 16

#### 2.2. Label elements

##### Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA) :



Signal word (GHS-ZA) : Danger  
Hazardous ingredients : hexane, heptane, n-pentane, Silicone, propane, butane, liquefied, under pressure  
Hazard statements (GHS ZA) : H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
H313 - May be harmful in contact with skin  
H315 - Causes skin irritation.  
H336 - May cause drowsiness or dizziness.  
H373 - May cause damage to organs through prolonged or repeated exposure.  
H411 - Toxic to aquatic life with long lasting effects.

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Precautionary statements (GHS ZA)	: 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 mist, vapours. P261 - Avoid breathing mist, vapours. P264 - Wash hands, forearms and face thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear eye protection, protective clothing, protective gloves. 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 doctor if you feel unwell. P314 - Get medical advice if you feel unwell. P321 - Specific treatment (see supplemental first aid instruction on this label). P332+P313 - If skin irritation occurs: Get medical advice. 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. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C. P501 - Dispose of contents and container to an approved waste disposal plant.
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### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects	: Highly flammable liquid and vapour, May cause damage to organs through prolonged or repeated exposure, May cause drowsiness or dizziness, Harmful in contact with skin, Causes skin irritation, Toxic to aquatic life, Toxic to aquatic life with long lasting effects.
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## 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	21.0 - 43.0	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	25.0 - 35.0	Pyr. Gas Not classified Flam. Gas 1, H220 Aquatic Acute 2, H401
heptane	CAS-No.: 142-82-5	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

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Name	Product identifier	%	Classification according to the United Nations GHS
propane	CAS-No.: 74-98-6	10.0 - 15.0	Pyr. Gas Not classified Flam. Gas 1, H220 Aquatic Acute Not classified
n-pentane	CAS-No.: 109-66-0	5.0 - 10	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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: 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 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 effects, both acute and delayed

Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Irritation.

#### 4.3. Indication of any immediate medical 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.
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#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapour.
Hazardous decomposition products in case of fire	: 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 equipment 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.
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### 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 storage

### 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. 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. 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 (Recommended Limits)	
Local name	n-Hexane
OEL TWA	70 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
Regulatory reference	Government Notice. R: 1179
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	n-Hexane
OEL TWA	70 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
Regulatory reference	Government Notice No. R 904
butane, liquefied, under pressure (106-97-8)	
South Africa - Occupational Exposure Limits (Recommended Limits)	
Local name	Butane
OEL TWA	1430 mg/m <sup>3</sup>
OEL TWA [ppm]	600 ppm

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<b>butane, liquefied, under pressure (106-97-8)</b>	
OEL STEL	1780 mg/m <sup>3</sup>
OEL STEL [ppm]	750 ppm
Regulatory reference	Government Notice. R: 1179
<b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b>	
Local name	n-Butane
OEL TWA	1430 mg/m <sup>3</sup>
OEL TWA [ppm]	600 ppm
OEL STEL	1780 mg/m <sup>3</sup>
OEL STEL [ppm]	750 ppm
Regulatory reference	Government Notice No. R 904
<b>propane (74-98-6)</b>	
<b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b>	
Local name	Propane
OEL TWA	1800 mg/m <sup>3</sup>
OEL TWA [ppm]	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, such 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 other components

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Liquid.  
Colour : clear.  
Odour : characteristic.  
Odour threshold : No data available  
pH : 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 (solid, gas)	: 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 explosive limit (LEL)	: No data available
Upper explosive limit (UEL)	: 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)	: Not classified
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Not classified

<b>Sheen Vinyl, Plastic &amp; Rubber Care - Nu-car</b>	
ATE ZA (Dermal)	3933.787 mg/kg bodyweight

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<b>hexane (110-54-3)</b>	
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)
LC50 Inhalation - Rat [ppm]	> 5000 ppm (Equivalent or similar to OECD 403, 24 h, Rat, Male, Experimental value, Inhalation (vapours))
<b>heptane (142-82-5)</b>	
LD50 oral rat	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Read-across, Oral)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal)
LC50 Inhalation - Rat	> 29.29 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours))
<b>butane, liquefied, under pressure (106-97-8)</b>	
LC50 Inhalation - Rat	1442.738 – 1443 mg/l 15 MIN
LC50 Inhalation - Rat [ppm]	800000 ppm 15 MIN
<b>n-pentane (109-66-0)</b>	
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))
<b>Silicone (63148-62-9)</b>	
LD50 oral rat	> 15400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
<b>propane (74-98-6)</b>	
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	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
<b>hexane (110-54-3)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>heptane (142-82-5)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>n-pentane (109-66-0)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
<b>hexane (110-54-3)</b>	
	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
<b>Sheen Vinyl, Plastic &amp; Rubber Care - Nu-car</b>	
Vaporizer	Aerosol

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	: Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

<b>hexane (110-54-3)</b>	
BCF - Fish [1]	501.187 (Other, Pimephales promelas, QSAR)
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)

<b>heptane (142-82-5)</b>	
BCF - Other aquatic organisms [1]	552 (BCFBAF v3.00, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	4.66 (Experimental value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.38 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

<b>butane, liquefied, under pressure (106-97-8)</b>	
LC50 - Fish [1]	> 1000 mg/l (96 h, Pimephales promelas, QSAR)
EC50 72h - Algae [1]	5.3 – 5.5 mg/l (Algae, QSAR)
Partition coefficient n-octanol/water (Log Pow)	2.89 (Experimental value)

<b>n-pentane (109-66-0)</b>	
LC50 - Fish [1]	4.26 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	2.7 mg/l (Other, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
ErC50 algae	10.7 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Scenedesmus sp., Static system, Fresh water, Experimental value, GLP)
BCF - Fish [1]	171 (Pimephales promelas, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.45 (Experimental value, Other, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.9 (log Koc, QSAR)

<b>propane (74-98-6)</b>	
LC50 - Fish [1]	24 mg/l (96 h, Pisces, Literature study)
LC50 - Fish [2]	49.9 mg/l (96 h, Pisces, Fresh water, QSAR)
EC50 - Crustacea [1]	7 mg/l (48 h, Daphnia magna, Literature study)
BCF - Fish [1]	9 – 25 (Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow)	1.09 – 2.8 (Experimental value, 20 °C)

#### 12.2. Persistence and degradability

<b>Sheen Vinyl, Plastic &amp; Rubber Care - Nu-car</b>	
Persistence and degradability	No additional information available
<b>hexane (110-54-3)</b>	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.



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<b>hexane (110-54-3)</b>	
ThOD	3.52 g O <sub>2</sub> /g substance
<b>heptane (142-82-5)</b>	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.92 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	0.06 g O <sub>2</sub> /g substance
ThOD	3.52 g O <sub>2</sub> /g substance
BOD (% of ThOD)	> 0.5 (5 day(s), Literature study)
<b>butane, liquefied, under pressure (106-97-8)</b>	
Persistence and degradability	Readily biodegradable in water.
<b>n-pentane (109-66-0)</b>	
Persistence and degradability	Readily biodegradable in water.
<b>propane (74-98-6)</b>	
Persistence and degradability	Readily biodegradable in water.
<b>12.3. Bioaccumulative potential</b>	
<b>Sheen Vinyl, Plastic &amp; Rubber Care - Nu-car</b>	
Bioaccumulative potential	No additional information available
<b>hexane (110-54-3)</b>	
BCF - Fish [1]	501.187 (Other, Pimephales promelas, QSAR)
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)
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
<b>heptane (142-82-5)</b>	
BCF - Other aquatic organisms [1]	552 (BCFBAF v3.00, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	4.66 (Experimental value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.38 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).
<b>butane, liquefied, under pressure (106-97-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.89 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>n-pentane (109-66-0)</b>	
BCF - Fish [1]	171 (Pimephales promelas, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.45 (Experimental value, Other, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.9 (log Koc, QSAR)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>propane (74-98-6)</b>	
BCF - Fish [1]	9 – 25 (Pisces, QSAR)

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<b>propane (74-98-6)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.09 – 2.8 (Experimental value, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

### 12.4. Mobility in soil

<b>Sheen Vinyl, Plastic &amp; Rubber Care - Nu-car</b>	
Mobility in soil	No additional information available

<b>hexane (110-54-3)</b>	
Surface tension	0.018 N/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 (Log Koc)	3.34 (log Koc, QSAR)
Ecology - soil	Low potential for mobility in soil.

<b>heptane (142-82-5)</b>	
Surface tension	19.66 mN/m (25 °C)
Partition coefficient n-octanol/water (Log Pow)	4.66 (Experimental value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.38 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

<b>butane, liquefied, under pressure (106-97-8)</b>	
Surface tension	< 0.1 N/m (0 °C)
Partition coefficient n-octanol/water (Log Pow)	2.89 (Experimental value)
Ecology - soil	Not applicable (gas).

<b>n-pentane (109-66-0)</b>	
Surface tension	0.013 N/m (20 °C)
Partition coefficient n-octanol/water (Log Pow)	3.45 (Experimental value, Other, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.9 (log Koc, QSAR)
Ecology - soil	Low potential for adsorption in soil.

<b>propane (74-98-6)</b>	
Surface tension	0.016 N/m (-47 °C)
Partition coefficient n-octanol/water (Log Pow)	1.09 – 2.8 (Experimental value, 20 °C)
Ecology - soil	Not applicable (gas).

### 12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

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

# Sheen Vinyl, Plastic & Rubber Care - Nu-car

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according to SANS 10234:2019 and SANS 11014:2010

### SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

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

### 14.6. Special precautions for user

#### 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

#### IATA

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

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### 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 : 22/06/2022

Revision date : 24/06/2024

#### Full text of H-statements

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H227	Combustible liquid
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H313	May be harmful in contact with skin
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H371	May cause damage to organs.
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.
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.