

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the Product: SPECTRA SPRAY AEROSOL PAINT

Supplier: Spectra Spray

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Queensmead Industrial
Queensburgh 4093

Telephone Number: 031 464 7917

Fax Number: 031 464 5650

E-mail Address: robert@spectraspray.co.za

Emergency Telephone Number: 083 441 5667

2. HAZARDS IDENTIFICATION

Important Hazards

Human health: Harmful by inhalation and in contact with skin
Environment: May have short-term environmental effects.
Physical and chemical: Highly flammable

Classification

Symbol(s):



Signal word(s):

Highly flammable
Harmful

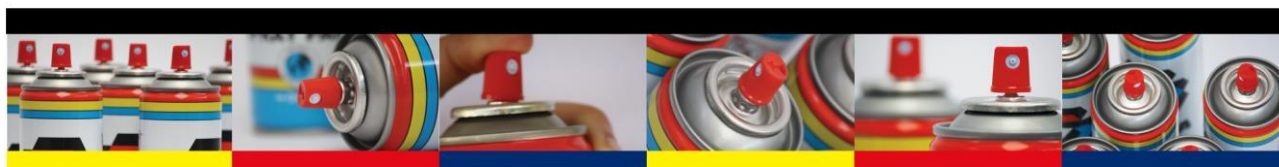
Hazard statement(s):

Highly Flammable
Harmful by inhalation and in contact with skin
Irritating to skin and respiratory system

Precautionary statement(s):

Keep out of the reach of children
Keep away from sources of ignition
After contact with skin, wash immediately with soap and water or use appropriate hand cleanser
Take precautionary measures against static discharges
In case of insufficient ventilation, wear suitable respiratory equipment
If swallowed, seek medical advice immediately and show this container or label
Use only in well-ventilated areas

Pressurised container.
Protect from sunlight and do not expose to temperatures exceeding 50 °C.



Do not pierce or burn even when empty.
Do not spray near naked flame or incandescent material.
No smoking.
After contact with skin, wash immediately with soap and water or use appropriate hand cleanser.
In case of insufficient ventilation, wear suitable respiratory equipment
Use only as directed

Emergency overview:

Highly flammable liquid and vapour, under pressure, vapour may cause flash fire. Causes irritation to skin and respiratory system.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The mixture contains the following hazardous components:

<u>Component</u>	<u>CAS No.</u>	<u>% by Mass</u>	<u>Risk Phrases</u>
LPG Propellant	106-97-8, 74-98-6, 115-07-01	< 30	R2,R10,R13,R18,R44
Polyester Resin	N/A	10 - 20	R10,R18
Butanone	78-93-3	10 - 15	F:R11;Xi:R36,R66,R67
Propan-2-one	67-64-1	< 10	F:R11;Xi:R36,R66,R67
2-Butoxyethanol	111-76-2	< 10	Xn:R20/21/22,R36/38
Xylenol	1300-71-6	<5	T:R24/25,R34
Nitrocellulose	9004-70-0	< 5	F:R11
Isopropanol	67-63-0	<5	F:R11;Xi:R36,R67
Ethanol	64-17-5	<5	F:R11
Diocetyl Phthalate	117-81-7	<5	T:R22,R60,R61

Key to R phrases:

R2	Risk of explosion by shock, friction, fire or other sources of ignition		
R10	Flammable	R11	Highly Flammable
R12	Extremely flammable	R13	Extremely flammable liquefied gas
R18	In use may form flammable/explosive vapour-air mixture		
R22	Harmful if swallowed	R34	Causes burns
R36	Irritating to eyes	R38	Irritating to skin
R44	Risk of explosion if heated under confinement		
R60	May impair fertility	R61	May cause harm to the unborn child
R66	Repeated exposure may cause skin dryness or cracking		
R67	Vapours may cause drowsiness and dizziness		
R24/25	Toxic in contact with skin and if swallowed.		
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed		

Classification according to SANS 10265.

4. FIRST-AID MEASURES

Exposure RouteInhalation:

Irritating, narcotic. Can affect CNS.
Move to fresh air. In case of discomfort, seek medical attention.

Skin Contact:

Irritating, risk of dermatitis. May be absorbed.
Use hand cleaner/soap and water. Remove contaminated clothing. If any discomfort persists, seek medical attention.

Eye Contact:

Rinse immediately with plenty of water for at least 15 minutes, keeping the eyelids open. Seek medical advice if symptoms persist.

Ingestion:

Irritating and nauseating.
Give plenty of water/milk. **DO NOT INDUCE VOMITING.**
Seek medical attention.

Notes to Attending Physician:

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

<u>Extinguishing Media:</u>	Foam, CO ₂ dry powder. Fog to cool and control. DO NO USE WATER JETS.
<u>Specific hazards:</u>	All aerosols are pressurised products and will eventually burst if exposed to very high temperatures, or if involved in a fire. They will then release the propellant gas, which is extremely flammable (butane). Can form explosive vapour/air mixture. Static discharge hazard.
<u>Protection of firefighters:</u>	Self-contained breathing apparatus and suitable protective clothing should be worn.

6. ACCIDENTAL RELEASE MEASURES

See also Sections 8 and 13.

<u>Personal Precautions:</u>	Keep area well ventilated. Remove sources of ignition.
<u>Environmental Precautions:</u>	KEEP OUT OF DRAINS AND SEWERS. Damaged or leaking aerosols should be removed immediately from their present location and stored separately in a safe place away from sources of ignition, preferably in the open. If a large quantity of aerosols are involved the manufacturer should be contacted in order to agree a safe method of disposal.
<u>Methods for Cleaning Up:</u>	Minor Spillage: Mop up spill. Wash residues away with water and detergent. Major Spillage: Contain and collect spilt product using a suitable adsorbent material such as vermiculite. Shovel material into a clean, dry, labelled container and close lid. Consult your local waste authority for advice on disposal.

7. HANDLING AND STORAGE

Handling

<u>Technical Measures:</u>	Always use in well-ventilated areas.
<u>Precautions:</u>	Pressurised container – Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn even after use. Keep away from sources of ignition. No smoking. The container should not be used in confined spaces, particularly where it is likely that an ignition source will be present.
<u>Safe Handling Advice:</u>	As the propellant and concentrate are both flammable and can have narcotic and CNS effects, build-up of dangerous concentrations of the propellant is possible. Follow all label safety warnings even after container is empty.

Storage

<u>Technical Measures:</u>	Keep away from heat, sparks and open flames.
<u>Storage Conditions:</u>	Ambient temperature. Avoid temperatures above 49 °C. Store in a cool well-ventilated place. Protect from direct sunlight.
<u>Incompatible Products:</u>	Oxidizing agents, acids and bases.
<u>Packaging Materials:</u>	Tinplate aerosol container and valve.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Permissible Concentration:</u>	TWA OEL-RL	OEL-RL STEL
Propan-2-one	1780 mg/m ³	3560 mg/m ³ .
Butan-2-one	590 mg/m ³	885 mg/m ³ .
Propan-2-ol	980 mg/m ³	1225 mg/m ³ .
Ethanol	1900 mg/m ³	-.
Diocetyl Phthalate	5 mg/m ³	10 mg/m ³ .
LPG Propellant	1800 mg/m ³	2250 mg/m ³ .

Engineering Measures: Do not breathe fumes/spray. Use only in well ventilated areas.

Personal Protective Equipment:

Respiratory Protection: In case of insufficient ventilation, use suitable respiratory protection.

Hand Protection: Use a barrier cream and impervious gloves, when spraying for long periods.

Eye Protection: Use appropriate eye protection.

Skin and Body Protection: Wear appropriate protective clothing. Do not spray towards face or body.

Observe the normal rules of hygiene, wash before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Pressurised aerosol
<u>Form:</u>	Fine Mist
<u>Colour:</u>	Colour liquid
<u>Odour:</u>	Pungent
<u>pH:</u>	Neutral (neat)
<u>Melting point/freezing point:</u>	May start to solidify at -70.4 °C (-94.7 °F)
<u>Boiling Point:</u>	59 °C (concentrate)
<u>Flashpoint:</u>	-20 °C (Closed Cup, concentrate)
<u>Vapour Pressure:</u>	166.2 hPa (20 °C, solvent)
<u>Density:</u>	0.935 g/mL (concentrate)
<u>Solubilities:</u>	Insoluble in water Soluble in esters, ketones and glycol ethers.
<u>Auto-ignition Temperature:</u>	The lowest known value is 238 °C
<u>Flammability (sol, gas):</u>	Highly flammable
<u>Viscosity:</u>	< 20" Ford Cup #4
<u>Volatility:</u>	100 % (v/v), (MEK) Weighted average: 126 % (v/v) 100 % (w/w)

10. STABILITY AND REACTIVITY

Chemical Stability and Hazardous Reactions

Stability:

Stable under normal conditions of use

Conditions to Avoid:

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Extremes of temperature can occur in motor cars and near ovens and fire places. Do not place in contact with hot surfaces or near naked flames. Do not pierce

or burn even after use. Do not spray on a naked flame, onto or near fire, or any incandescent material such as an electric fire.

Incompatible Materials:

Oxidizing agents, acids and bases.

Anticipated Hazardous Decomposition Products: None known.

11. TOXICOLOGICAL INFORMATION

See also Section 2 and 3.

The toxicity of this product has not been determined. The hazard identifications in Section 3 were derived from the known effects of the individual ingredients and their concentrations in the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity: May have short-term environmental effects. Contain, monitor, & remove

13. DISPOSAL CONSIDERATIONS

Waste from Residues:

Expel propellant completely by inverting container (in newspaper or scrap cloth) and holding down spray button. Dispose of soiled newspaper or cloth in accordance with relevant National, Provincial and Local Government regulations. For further information contact your local waste authority.

Contaminated Container/Packaging:

Aerosol container may be disposed of with domestic or industrial waste or offered for recycling. Do not pierce or burn after use, even when apparently empty. Protect from sunlight and do not expose to temperatures exceeding 50 °C.

14. TRANSPORT INFORMATION

UN Number: 1950
Proper Shipping Name: AEROSOLS
UN Classification: 2.1
Packing Group: -
Marine Pollutant: No

Land:

Special Provisions: 63, 190, 277, 327.
Limited Quantity: 1 L

Sea:

Special Provisions: 63, 190, 277, 327, 959.
Limited Quantity: 1 L
EmS: F-D, S-U.

Air:

Proper Shipping Name: Aerosols, flammable

15. REGULATORY INFORMATION

This product is classified as:

F Flammable Xn Harmful



with the following risk and safety phrases

- R11 Highly flammable.
R20/21 Harmful by inhalation or in contact with skin
- S2 Keep out of the reach of children
S16 Keep away from sources of ignition
S28 After contact with skin, wash immediately with soap and water or use appropriate hand cleanser
S33 Take precautionary measures against static discharges
S38 In case of insufficient ventilation, wear suitable respiratory equipment
S46 If swallowed, seek medical advice immediately and show this container or label
S51 Use only in well-ventilated areas

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn even when empty. Do not spray near naked flame or incandescent material. No smoking. Use only as directed.

National legislation:

- Occupational Health & Safety Act (Act No. 85 of 1993)
 - Regulation R.1179 of 25 August 1995
- Trade Metrology Act (Act No. 77 of 1973)
 - Regulation R.517 of 21 June 2007

16. OTHER INFORMATION

This document complements the technical usage instructions but does not replace them. The information contained herein is based on our best current technical knowledge of the product concerned, and is given in good faith. The attention of recipients is drawn to (amongst other things) the element of risk consequent to use of the product for a purpose other than that for which it was intended.

In no way does this document remove the need of the recipient of the product to fully understand and apply statutory requirements. It is the recipient's sole responsibility to take due precautions relative to the use made of the product.

All information contained herein is included only to assist the recipient in fulfilling his or her statutory duty connected with the use of hazardous materials.

This list of information must not be considered as exhaustive, and does not exonerate the recipient from taking other precautions described in documents other than those mentioned, concerning the storage and use of the product, for which he or she remains the sole person responsible.