

SPRAYON PRODUCTS (PTY) LTD

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **Bakkie Back – Brush or Spray**
Product description: Moisture Cured Polyurethane Coating.
Company identification: **Sprayon Products**
222 2nd Street,
Wynberg Gauteng
South Africa

Emergency contact no: (2711) 440-2202

2. COMPOSITION AND INFORMATION ON INGREDIENTS

COMPOSITION: MIXTURE HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS
MDI (ISOCYANATE MONOMER) 0.1 – 1.0% EEC Labels: XN
R20,36/37/38,42 OEL .05 mg CL
XYLENE (XYLOL) 20 - 30% EEC Labels: Xn, Xi R10,20/21,38 OEL
435. mg RL+"S"
(CL/RL = Controlled/Recommended level, "S" = Skin annotation)
EC CLASSIFICATION: Xn Xi R10,36/37/38,42,51,65 S24/25,42,43,62

3. HAZARDS IDENTIFICATION

SAPMA HEALTH RATING: 2-MODERATE - Temporary or minor injury possible even if treatment is given.

Inhalation sensitiser

INHALATION: HARMFUL. Contains ISOCYANATE. Sensitiser with accumulative effects.

SKIN: Irritating, risk of dermatitis.

EYES: Irritating.

INGESTION: Irritating and nauseating.

NO CARCINOGENIC, MUTAGENIC OR GENETIC EFFECTS ESTABLISHED

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

HAZARDS: Highly flammable
Toxic by inhalation or if swallowed

4. FIRST-AID MEASURES

INHALATION: Move to fresh air. In case of any discomfort seek medical attention immediately.

SKIN: Use hand cleaner/soap & water. Remove contaminated clothing. If any discomfort get medical attention

EYES: Rinse well with water and seek medical advice if discomfort persists.

INGESTION: DO NOT INDUCE VOMITING. Get immediate medical attention.

5. FIRE-FIGHTING MEASURES

Flammable with toxic fumes. Containers can become pressurised if contents are contaminated with water.

Foam. CO₂. Dry powder. Fog to cool and control. Do NOT use water jets.

Blown or distorted containers should be handled with extreme caution.

6. ACCIDENTAL RELEASE MEASURES

Contain & collect. Keep out of drains and sewers

7. HANDLING AND STORAGE

Store separately from any reactive substances - oxidisers in particular.

FLAMMABLE. No open flames. No smoking.

OPEN WITH CARE! Cover lid / bung with a cloth while releasing pressure.

Generates CO₂ gas from reaction with water. Do not seal if contaminated with water due to danger of bursting.

DISPOSAL: Leave container unsealed for 3-4 days to solidify from atmospheric moisture. Once solid, container may be disposed of in landfill site. Consult local regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: Not established.

Personal Protection

Respiratory Protection: cartridge-type respirator with cartridge for organic fumes (essential for spraying operations.)

Eye Protection: goggles or face shield

Hand protection: nitrile rubber gloves

Skin protection: overalls and safety boots

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid

Flash Point (°C): >27°C

Viscosity (Krebs units): 68-82ku

Specific gravity: 1.01 – 1.07

Vapour density: heavier than air

Boiling point (°C): 140°C

Solubility in water: insoluble / reacts

10. STABILITY AND REACTIVITY

STATIC: Could produce static discharge - use earthing.

STABILITY: Stable if stored under normal conditions. When exposed to abnormally high temperatures containers will bulge and possibly burst. Hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke may be produced.

SOLUBILITY IN WATER: not soluble, reacts with generation of carbon dioxide gas.

11. TOXICOLOGICAL INFORMATION

NO CARCINOGENIC, MUTAGENIC OR GENETIC EFFECTS ESTABLISHED
Skin and Inhalation sensitiser.

Acute toxicity- short term exposure

MDI: Low toxicity if swallowed. Oral toxicity for rats is >2000mg/kg. May cause gastrointestinal irritation.

Eye contact may cause moderate eye irritation. May cause slight transient (temporal) corneal injury.

Skin contact may cause slight to moderate irritation. May stain skin. The LD50 for skin absorption in rabbits is >2000mg/kg. Inhalation: can cause severe irritation of the respiratory tract with burning sensation to the nose and throat. Effects can be delayed.

XYLENE: Oral toxicity (rats): LD50: 1.3g/kg. Humans: Harmful or fatal if swallowed. Eye irritant. Skin: practically non-irritating. Inhalation: harmful.

Repeated and long term exposure

MDI: Respiratory sensitisation may occur. Chronic exposure by inhalation may result in a permanent decrease of lung function. May cause sensitisation by skin contact. Carcenogenicity: Industrial experience in humans has not shown any links between MDI-based products and cancer development.

XYLENE: Prolonged skin contact with low viscosity materials such as xylene may defat the skin resulting in possible irritation and dermatitis.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Hazardous in liquid state. Solidify by reaction with water before disposal. Danger of bursting, do not seal.

Use reputable waste disposal contractors. Destroy used containers. Consult local regulations.

14. TRANSPORT INFORMATION

UN No: 1263 PACKAGING GROUP: III IMO CLASS: 3.3 MARINE POLLUTANT
CLASS: P
EA CODE: 127 HAZCHEM CODE: 3 Y KEMLER: 33
PROPER SHIPPING NAME: PAINT

15. REGULATORY INFORMATION

Conforms to EC regulation number 1907/2006 REACH, Annex II.
Conforms to US Navy Military spec MIL-PRF-32171A- Deck Coatings, high durability/QPL-32171.

EC LABEL NAME: PAINT EC CLASSIFICATION: Flammable. Harmful.

EC SYMBOLS: XN HARMFUL Xi: IRRITANT

EC Risk phrases: R10 Flammable

R36/37/38 Irritating to eyes, respiratory system and skin

R42 May cause sensitisation by inhalation

R51 Toxic to aquatic organisms

R65 Harmful: May cause lung damage if swallowed.

EC Safety phrases: S24/25 Avoid contact with skin and eyes

S42 During spraying wear air supplied respirator.

S43 In case of fire, use water fog, foam or powder - Do not use water jets!

S62 If swallowed, do not induce vomiting : seek medical advice immediately
show this container or label.

16. OTHER INFORMATION

**This safety data sheet provides the best advice under our current state of knowledge.
The user is ultimately responsible for ensuring that the requirements of the relevant
legislation are complied with.**