



# **SAFETY DATA SHEET**

Page 1 CAS No  
Date Issued 05/Jul/2021  
Polybron® 350-012H Brush Coat

## **Company Details**

Name National Urethane Industries  
Address 18 Skietlood Street  
Isando  
Kempton Park  
South Africa

Emergency Phone Number +27800172743  
Tel 011 974 9300  
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## **1. Product and Company Identification:**

Trade / Commercial Name **Polybron® 350-012H Brush Coat**  
Chemical Name Polyol blend with fillers and additives  
Formula  
Chemical Family Polyurethane polyol component  
Synonyms Polybron® polyol component  
Un No  
ERG No. 0

Hazchem Code  
EAC

## **2. Hazards Identification:**

Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment  
Run-off from fire control or dilution water could cause pollution.

## **3. Composition:**

Hazardous Components None

## **4. First Aid Measures**

First Aid Skin Wash with plenty of water for at least 15 minutes.  
First Aid Eyes Flush eyes with water. Hold eyelids open while washing.  
First Aid Ingested Induce vomiting if large amounts are ingested. Seek medical advice.  
First Aid Inhalation Unlikely at ambient temperature. In case of fumes produced during burning, remove person to fresh air.

## **5. Fire Fighting Measures**

The polyol is not flammable, but may give off a heavy, acrid smoke when involved in a fire.  
USE EXTINGUISHING MEDIA FOR SURROUNDING FIRE: CO2, foam.  
Do not use water as this may spit and spread the fire.  
Do not breathe fumes from fires or decomposition.  
Protection of fire fighters: Wear positive pressured self-contained breathing apparatus and protective fire fighting clothing.

## **6. Accidental Release Measures**

Breathing apparatus for fire only.  
Contain (avoid spillage from entering drains or water courses).  
Restrict access to area.  
SPILL OR LEAK:  
Stop leak if you can do so without risk.  
Cover and soak up with a suitable absorbent material and place into containers for later disposal.

## **7. Handling And Storage**

Handling:  
Observe the usually precautionary measures for working with chemicals.  
Ensure good exhaust ventilation at the workplace.  
Storage:  
Store in a cool, dry area. Keep containers tightly closed.  
Keep separated from foodstuffs.  
Store away from heat sources.

**8.Exposure Controls/Personal Protection**Occupational Exposure Limits  
Controls

Not established.

The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure.

The best protection is to enclose operations and/or provide local exhaust ventilation at the site of substance release.

Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems.

Exhaust directly to the outside.

Supply sufficient replacement air to make up for air removed.

Have a safety shower/eye wash fountain readily available in the immediate work area.

Personal Protection

If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment, including chemical safety goggles, boots and impervious gloves.

RESPIRATORY PROTECTION: If process creates dust or fumes, wear NIOSH approved respirator.

PROTECTIVE GLOVES: Impervious gloves

EYE PROTECTION: Safety Goggles if processing.

Have appropriate equipment available for use in emergencies.

Keep working clothes separately, wash regularly. Wash hands before breaks and at end of work.

Depending on the production parameters, any uncovered surfaces of polyurethane mouldings produced using this raw material may contain traces of substances (e.g. catalysts, release agents, starting and reaction products) with hazardous characteristics (e.g. harmful, irritant, corrosive, sensitising).

In order to prevent skin contact with the traces of these substances, fully buttoned work clothing and protective gloves whose palm and finger areas at least are coated on the outside with nitrile rubber, PVC or polyurethane should be worn when demoulding or otherwise handling the freshly moulded polyurethane parts.

**9.Physical & Chemical Properties**

High viscosity liquid, various colours

Relative Density: 1,29 - 1,36 at 25 °C

Viscosity: 4 000 - 10 000 cps at 25°C

Flash Point: &gt; 300°C (Not established, value for polyol)

Not soluble in water.

Boiling point: &gt; 300°C (Not established, value for polyol)

Freezing point: Not available

Flammable limits: Not determined

**10.Stability And Reactivity**Conditions to Avoid

Stable under normal conditions.

Do not heat above 60°C for protracted periods.

No hazardous decomposition products when handled and stored correctly.

Incompatible MaterialsOther

May absorb moisture. Keep containers tightly closed.

May cause irritation to eyes and nasal passages in fire conditions (not applicable under normal conditions)

**11.Toxicological Information**

## EFFECTS OF ACUTE EXPOSURE:

Inhalation: Non hazardous at room temperature.

Processing at high temperatures may generate vapour levels sufficient to cause irritation and other effects.

Skin: Sensitive skin may become irritated.

A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts.

**12.Ecological Information**

No ecological problems are expected when the product is handled and used with due care.

Do not allow to escape into surface water, sewers or soil.

**13.Disposal Considerations**

All information is given in good faith but without guarantee in respect of accuracy and no responsibility is accepted for errors or omissions or the consequences thereof  
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Disposal Method Product Observe prevailing regulations and incinerate or deposit in land fill.  
Disposal Method Packaging Disposal in accordance with local legal provisions.  
Empty containers can only be disposed of when the remaining waste products adhering to the container walls have been removed. Remove all labels.

### 14. Transport Information

<u>ERG No.</u>	0	<u>EAC</u>	
<u>IMDG-Shipping Name</u>	NOT CONTROLLED SUBSTANCE		
<u>IMDG Code</u>	N/A	<u>IMDG-Packaging Group</u>	N/A
<u>Marine Pollutant</u>	No		
<u>Class</u>	Not Controlled		
<u>Subsidiary Risks</u>	None		

### 15. Regulatory Information

EEC Hazard Classification  
Risk Phrases Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment  
Safety Phrases Do not breathe vapour/spray  
Use only in well ventilated areas  
Avoid release into environment; refer to special instructions/material safety data sheet

National Legislation National Road Traffic Act 1996 (Act 93 of 1996)  
Occupational Health and Safety Act 1993 (Act 85 of 1993)  
Hazardous Substances Act 1973 (Act 15 of 1973)

### 16. Other Information

Reason for Alteration: General update.  
The information contained herein is based on the present state of our knowledge.  
It characterizes the product with regard to the appropriate safety precautions.  
It does not represent a guarantee of the properness of the product.  
Date issued: 20/07/2005  
Revision date: 25/02/2019  
Revision No.: 2

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# TRANSPORT EMERGENCY CARD - Road transport

In accordance with SANS 10232-4

## PROPER SHIPPING NAME

NOT CONTROLLED SUBSTANCE

## APPEARANCE

High viscosity liquid, various colours

## POTENTIAL HAZARD (DANGER)

Low Hazard

Not controlled

Contact could irritate eyes

Fire could produce irritating gases

## PERSONAL PROTECTIVE EQUIPMENT

Protective gloves

Protective shoes

Eyewash bottle with clean water

## EMERGENCY RESPONSE EQUIPMENT

Broom

Use extinguishing agent suitable for surrounding fire

UN No.	
Class	
Subsidiary risk	
Packing group	N/A
ERG No.	0

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## DRIVER FIRST ACTIONS - Only if it can be carried out without personal risk

Contact the emergency services

Keep upwind

No smoking allowed

Prevent exposure of cargo to open flames

Stop the engine

Warn road users and passers by to keep away from danger area

Contact operator

## DRIVER SPECIAL/ADDITIONAL ACTIONS - Only if it can be carried out without personal risk

Stop leaks if it can be done without personal risk

## DRIVER ACTIONS IN CASE OF FIRE - Only if it can be carried out without personal risk

Do not attempt to deal with any major fire that involves the load

Use fire extinguisher on small fire only if it can be done without personal risk

Administer oxygen if breathing is difficult

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## FIRST AID

None likely to be required

In case of contact with substance, flush skin or eyes (or both) with running water

In case of fumes produced during burning, remove person to fresh air

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## SPECIAL INFORMATION FOR EMERGENCY SERVICES

Substance not classified as dangerous and is not controlled.

Remove absorbed substance to safe place for disposal.

Keep containers cool by spraying with water if exposed to fire.

Use extinguishing media appropriate for surrounding fire.

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## ADDITIONAL INFORMATION

Supplier: National Urethane Industries

Trade Name: Polybron® 350-012H Brush Coat

EMERGENCY TELEPHONE NUMBERS 1011

PREPARED BY vls

from the best knowledge currently available;

no guarantee is provided that the information is sufficient or correct under all circumstances.

Preparation date: 05/07/2021 Expiry date: 12 months from Preparation date Reference: 0