SAFETY DATA SHEET

GRIPDECK WEARCOAT PLUS HARDENER

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name GRIPDECK WEARCOAT PLUS HARDENER

Internal identification GRIPDECKWEARCOATPLUSH/8

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

Identified uses Component of Car Park Decking Repair System

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier

Don Construction Products Ltd.,
Churnetside Business Park,
Station Road,
Cheddleton,
Staffordshire ST13 7RS

Tel: 01538 361799 Mon-Fri 08:30 - 17:00 (excl bank holidays)
Fax: 01538 361899
E-Mail: info@donconstruction.co.uk

1.4. Emergency telephone number

Emergency telephone 01538 361799 Mon-Fri 8.30am - 5.00pm (excluding Bank Holidays)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Not Classified

Health hazards

Acute Tox. 4 - H332 Elicitation - EUH208 Skin Sens. 1 - H317 STOT SE 3 - H335

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

R43.

Human health

See Section 11 for additional information on health hazards.

Environmental

The product will harden into a solid mass in contact with water and moisture. The resultant material is not biodegradable.

2.2. Label elements

Pictogram



GRIPDECK WEARCOAT PLUS HARDENER

Signal word Warning

Hazard statements

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

Precautionary statements

P260 Do not breathe gas, fume, vapours or spray.

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P313 Get medical advice/attention.

Contains HDL HOMOPOLYMER, HEXAMETHYLENE-DI-ISOCYANATE

Supplementary precautionary statements

P271 Use only outdoors or in a well-ventilated area.

P284 [In case of inadequate ventilation] wear respiratory protection.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

HDL HOMOPOLYMER **60-100%**

CAS number: 28182-81-2 **EC number:** —

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H332 Skin Sens. 1 - H317 STOT SE 3 - H335	R43.

HEXAMETHYLENE-DI-ISOCYANATE **<1%**

CAS number: 822-06-0 **EC number:** 212-485-8

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302 Acute Tox. 1 - H330 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 STOT SE 3 - H335	T;R23 R42/43 Xi;R36/37/38

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments Polyisocyanate pre-polymer

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from source of contamination.

Inhalation

Move affected person to fresh air at once. Get medical attention.

Ingestion

Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Harmful if inhaled. May cause respiratory irritation.

Ingestion

May cause discomfort if swallowed.

Skin contact

May cause an allergic skin reaction.

Eye contact

May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguishing media

Do not use water, if avoidable.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Oxides of carbon. Oxides of nitrogen. Hydrogen cyanide (HCN).

Hazardous combustion products

Oxides of carbon. Oxides of nitrogen. When heated, vapours/gases hazardous to health may be formed.

5.3. Advice for firefighters

Protective actions during firefighting

No specific firefighting precautions known.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Use suitable respiratory protection if ventilation is inadequate. Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions

Avoid discharge into drains or watercourses or onto the ground.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Contain spillage with sand, earth or other suitable non-combustible material. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Do not close container tightly. Risk of excess pressure build-up.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Avoid inhalation of vapours. Provide adequate ventilation.

Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

HEXAMETHYLENE-DI-ISOCYANATE

Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m3(Sen)

Short-term exposure limit (15-minute): WEL 0.07 mg/m3(Sen)

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Personal protection

Always check applicability with your supplier of protective equipment.

Eye/face protection

If there is a risk of splashing, wear chemical resistant goggles or visor approved to BS EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Nitrile gloves to BSEN374 are recommended. Break through times can vary depending on thickness, use and source. Change gloves regularly.

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of

contact.

Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Do not eat, drink or smoke when using this product.

Respiratory protection

In the case of hypersensitivity of the respiratory tract (eg asthmatics and those who suffer from chronic bronchitis) it is inadviseable to work with this product. In case of inadequate ventilation use a respirator suitable for organic vapours. Consult respirator manufacturer for specific advice.

Environmental exposure controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Colourless to pale yellow liquid.

Odour

Slight.

pH

pH (concentrated solution): N/A

Flash point

155 approx°C

Vapour pressure

<0.1 mBar @ °C

Relative density

Approx 1.12 @ @ 23 degC°C

Solubility(ies)

Insoluble in water.

Auto-ignition temperature

200 approx°C

Viscosity

Approx 3500 mPa s @ @ 25 degC°C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

The product will harden into a solid mass in contact with water and moisture.

10.2. Chemical stability

Stability

Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur. No potentially hazardous reactions known.

10.4. Conditions to avoid

Water, moisture.

10.5. Incompatible materials

Materials to avoid

Amines. Alcohols, glycols. Reacts with water forming carbon dioxide. Risk of bursting owing to increased pressure in closed containers.

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10.6. Hazardous decomposition products

Oxides of carbon. Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

No information available.

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)

1.04167708

General information

The product contains small quantities of isocyanate. May cause respiratory allergy. May cause respiratory system irritation.

Inhalation

Harmful if inhaled.

Ingestion

May cause discomfort if swallowed.

Skin contact

May cause an allergic skin reaction.

Eye contact

May cause temporary eye irritation.

Acute and chronic health hazards

No specific health hazards known.

Route of entry

Inhalation Skin and/or eye contact

Target organs

Respiratory system, lungs Skin

Medical symptoms

Skin irritation. Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting. Prolonged or repeated exposure may cause the following adverse effects: Allergic rash. General respiratory distress, unproductive cough. Difficulty in breathing.

Medical considerations

Skin disorders and allergies. Chronic respiratory and obstructive airway diseases.

Toxicological information on ingredients.

HDL HOMOPOLYMER

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)

1.5

HEXAMETHYLENE-DI-ISOCYANATE

Acute toxicity - oral

ATE oral (mg/kg)

500.0

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)

0.005

SECTION 12: Ecological Information

Ecotoxicity

GRIPDECK WEARCOAT PLUS HARDENER

The product should not be allowed to enter drains, sewers or watercourses.

12.1. Toxicity

Not available Not measured. Do not allow to enter waterways or drains

12.2. Persistence and degradability

Persistence and degradability

The product reacts with water to form a solid, insoluble reaction product which is not biodegradable.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility

The product is non-volatile.

12.5. Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

Disposal methods

Should be disposed of via licensed waste operators to an approved incineration unit.

Waste class

Hazardous Waste Code for Product : 080501* ; Contaminated empty container: 150110*

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

UN No. (IMDG)

UN No. (ICAO)

14.2. UN proper shipping name

14.3. Transport hazard class(es)

ADR/RID class

ADR/RID subsidiary risk

ADR/RID label

IMDG class

IMDG subsidiary risk

ICAO class/division

ICAO subsidiary risk

Transport labels

14.4. Packing group

GRIPDECK WEARCOAT PLUS HARDENER

ADR/RID packing group

IMDG packing group

ICAO packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS

Emergency Action Code

Hazard Identification Number (ADR/RID)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Control of Substances Hazardous to Health Regulations 2002 (as amended).

Guidance

Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are known for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information

Don Construction Products Ltd. Technical Datasheet.

Key literature references and sources for data

Health and Safety Executive Guidance Note EH40 (amended annually). Workplace Exposure Limits.

Revision comments

Section 2: update.

Revision date	25/11/2014
Revision	8
Supersedes date	24/04/2014
SDS status	Approved.

Risk phrases in full

R23 Toxic by inhalation.
R36/37/38 Irritating to eyes, respiratory system and skin.
R42/43 May cause sensitisation by inhalation and skin contact.
R43 May cause sensitisation by skin contact.

Hazard statements in full

GRIPDECK WEARCOAT PLUS HARDENER

EUH208 Contains HEXAMETHYLENE-DI-ISOCYANATE. May produce an allergic reaction.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.