



## SAFETY DATA SHEET GRIPTOP LD HARDENER

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

#### 1.1. Product identifier

**Product name**                      GRIPTOP LD HARDENER  
**Internal identification**            GRIPTOPLDH/10

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

**Identified uses**                      Component of polyurethane floor coating 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.,  
Hawthorn House  
Helions Bumpstead Road  
Haverhill  
Suffolk  
CB9 7AA  
Tel: 01538 361799 Mon-Fri 08:30 - 17:00 (excl bank holidays)  
Fax: 01538 361899  
E-Mail: info.uk@dcp-int.com

#### 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 (EC 1272/2008)

**Physical hazards**                      Not Classified  
**Health hazards**                        Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1  
- H317 Carc. 2 - H351 STOT SE 3 - H335 STOT RE 2 - H373  
**Environmental hazards**                Not Classified

**Classification (67/548/EEC or 1999/45/EC)**    Xn; R20, R48/20/21/22. Xi; R36/37/38. Carc. Cat. 3 R40. R42/43

**Human health**                         See Section 11 for additional information on health hazards. May cause sensitisation by inhalation.

**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

## GRIPTOP LD HARDENER

### Pictogram



### Signal word

Danger

### Hazard statements

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H335 May cause respiratory irritation.  
 H351 Suspected of causing cancer.  
 H373 May cause damage to organs through prolonged or repeated exposure.

### Precautionary statements

P260 Do not breathe vapour/ spray.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P284 [In case of inadequate ventilation] wear respiratory protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P313 Get medical advice/ attention.

### Contains

METHYLENEDIPHENYL DIISOCYANATE, DIPHENYLMETHANEDIISOCYANATE - ISOMERS & HOMOLOGUES

### Supplementary precautionary statements

P264 Wash contaminated skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P501 Dispose of contents/ container in accordance with local regulations.

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

METHYLENEDIPHENYL DIISOCYANATE	60-100%
CAS number: 26447-40-5	EC number: 247-714-0
<b>Classification</b> Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335 STOT RE 2 - H373	<b>Classification (67/548/EEC or 1999/45/EC)</b> Carc. Cat. 3;R40 Xn;R20,R48/20 Xi;R36/37/38 R42/43

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<b>DIPHENYLMETHANEDIISOCYANATE - ISOMERS &amp; HOMOLOGUES</b>		<b>10-30%</b>
CAS number: 9016-87-9		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 2 - H330	Xn;R20,R48/20. Carc. Cat. 3;R40. Xi;R36/37/38. R42/43.	
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Resp. Sens. 1 - H334		
Skin Sens. 1 - H317		
Carc. 2 - H351		
STOT SE 3 - H335		
STOT RE 2 - H373		

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

<b>General information</b>	Remove affected person from source of contamination.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	Irritation of eyes and mucous membranes.

#### 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

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<b>Specific hazards</b>	Oxides of carbon. Oxides of nitrogen. Hydrogen cyanide (HCN).
<b>Hazardous combustion products</b>	Oxides of carbon. Oxides of nitrogen. When heated, vapours/gases hazardous to health may be formed.
<b>5.3. Advice for firefighters</b>	
<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
<b>Special protective equipment for firefighters</b>	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

<b>Personal precautions</b>	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.
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#### 6.2. Environmental precautions

<b>Environmental precautions</b>	Avoid discharge into drains or watercourses or onto the ground.
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#### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	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.
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#### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.
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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Avoid inhalation of vapours. Provide adequate ventilation.
<b>Advice on general occupational hygiene</b>	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

<b>Storage precautions</b>	Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in tightly-closed, original container in a dry, cool and well-ventilated place.
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#### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **METHYLENEDIPHENYL DIISOCYANATE**

Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m<sup>3</sup>(Sen)

Short-term exposure limit (15-minute): WEL 0.07 mg/m<sup>3</sup>(Sen)

##### **DIPHENYLMETHANEDIISOCYANATE - ISOMERS & HOMOLOGUES**

Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m<sup>3</sup>(Sen)

Short-term exposure limit (15-minute): WEL 0.07 mg/m<sup>3</sup>(Sen)

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WEL = Workplace Exposure Limit

### 8.2. Exposure controls

<b>Appropriate engineering controls</b>	Provide adequate general and local exhaust ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
<b>Personal protection</b>	Always check applicability with your supplier of protective equipment.
<b>Eye/face protection</b>	If there is a risk of splashing, wear chemical resistant goggles or visor approved to BS EN166.
<b>Hand protection</b>	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.
<b>Other skin and body protection</b>	Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.
<b>Hygiene measures</b>	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.
<b>Respiratory protection</b>	In the case of hypersensitivity of the respiratory tract (eg asthmatics and those who suffer from chronic bronchitis) it is inadvisable to work with this product. In case of inadequate ventilation use a respirator suitable for organic vapours. Consult respirator manufacturer for specific advice.
<b>Environmental exposure controls</b>	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

<b>Appearance</b>	Viscous liquid.
<b>Colour</b>	Dark. Brown.
<b>Odour</b>	Mild.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	200°C @
<b>Flash point</b>	>200°C CC (Closed cup).
<b>Evaporation rate</b>	Not applicable.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Other flammability</b>	Not applicable.
<b>Vapour pressure</b>	<0.01 Pa @ °C
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.2 approx @ 20°C

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<b>Bulk density</b>	Not determined.
<b>Solubility(ies)</b>	Reacts with water.
<b>Partition coefficient</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Not known.
<b>Comments</b>	Information given is applicable to the product as supplied.

### 9.2. Other information

<b>Other information</b>	None.
<b>Refractive index</b>	Not determined.
<b>Particle size</b>	Not applicable.
<b>Molecular weight</b>	Not determined.
<b>Volatility</b>	Not determined.
<b>Saturation concentration</b>	Not determined.
<b>Critical temperature</b>	Not determined.
<b>Volatile organic compound</b>	Not determined.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	The product will harden into a solid mass in contact with water and moisture. Reactions with the following materials may generate heat: Acids. Alcohols, glycols. Amines.
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### 10.2. Chemical stability

<b>Stability</b>	Stable under the prescribed storage conditions.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur. No potentially hazardous reactions known.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Water, moisture.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	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

<b>Hazardous decomposition products</b>	Oxides of carbon. Oxides of nitrogen.
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## SECTION 11: Toxicological information

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### 11.1. Information on toxicological effects

<b>Toxicological effects</b>	No information available.
<b><u>Acute toxicity - oral</u></b>	
<b>Notes (oral LD<sub>50</sub>)</b>	No specific test data are available.
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	No specific test data are available.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	No specific test data are available.
<b>ATE inhalation (vapours mg/l)</b>	12.22
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Animal data</b>	No specific test data are available.
<b>Human skin model test</b>	No specific test data are available.
<b>Extreme pH</b>	No specific test data are available.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Irritation of eyes is assumed.
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	Sensitising.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Sensitising.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	No specific test data are available.
<b>Genotoxicity - in vivo</b>	No specific test data are available.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Suspected of causing cancer.
<b>Target organ for carcinogenicity</b>	No specific target organs known.
<b>IARC carcinogenicity</b>	Not listed.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	No specific test data are available.
<b>Reproductive toxicity - development</b>	Not considered to be toxic to the reproductive system.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	No specific test data are available.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure.
<b>General information</b>	The product contains small quantities of isocyanate. May cause respiratory allergy. May cause respiratory system irritation.

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<b>Inhalation</b>	Harmful by inhalation. Vapours irritate the respiratory system. May cause coughing and difficulties in breathing. May cause sensitisation by inhalation.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Prolonged or repeated contact may lead to skin sensitisation
<b>Eye contact</b>	Irritation of eyes and mucous membranes.
<b>Acute and chronic health hazards</b>	Prolonged exposure to the preparation may cause serious health effects. Frequent inhalation of vapours may cause respiratory allergy. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. May cause allergic contact eczema.
<b>Route of entry</b>	Inhalation Skin and/or eye contact
<b>Target organs</b>	Eyes Respiratory system, lungs Skin
<b>Medical symptoms</b>	Skin irritation. Irritation of eyes and mucous membranes. 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.
<b>Medical considerations</b>	Skin disorders and allergies. Pre-existing eye problems. Chronic respiratory and obstructive airway diseases.

### METHYLENEDIPHENYL DIISOCYANATE

#### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 11.0

### DIPHENYLMETHANEDIISOCYANATE - ISOMERS & HOMOLOGUES

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 10,000.0

Species Rat

ATE oral (mg/kg) 10,000.0

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 9,400.0

Species Rabbit

ATE dermal (mg/kg) 9,400.0

#### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 0.31

Species Rat

Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l) 0.31

Species Rat



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<b>ATE inhalation (dusts/mists mg/l)</b>	0.31
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Based on available data the classification criteria are not met.
<b>Animal data</b>	Slightly irritating.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Ames test: Negative.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Dose level: 0-0.2, 1-6 mg/m <sup>3</sup> , Inhalation, Rat
<b>Target organ for carcinogenicity</b>	Respiratory system, lungs
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	No specific test data are available.
<b>Reproductive toxicity - development</b>	Teratogenicity: - NOAEL: 12 mg/m <sup>3</sup> , Inhalation, Rat Maternal toxicity: - NOAEL: 4 mg/m <sup>3</sup> , Inhalation, Rat Developmental toxicity: - NOAEL: 4 mg/m <sup>3</sup> , Inhalation, Rat
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	, Inhalation, A single exposure may cause the following adverse effects: Asthma, pulmonary sensitisation.
<b>Target organs</b>	Respiratory tract
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	, Inhalation, High concentrations may cause severe lung damage.
<b>Target organs</b>	Respiratory tract
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not relevant.

### SECTION 12: Ecological Information

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

#### **12.1. Toxicity**

**Toxicity** Not measured. Do not allow to enter waterways or drains

**Acute toxicity - fish** Not determined

**Acute toxicity - aquatic invertebrates** Not determined.

**Acute toxicity - aquatic plants** Not determined.

**Acute toxicity - microorganisms** Not determined.

**Acute toxicity - terrestrial** Not determined.

**Chronic toxicity - fish early life stage** Not determined.

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**Short term toxicity - embryo and sac fry stages** Not determined.

**Chronic toxicity - aquatic invertebrates** Not determined.

### DIPHENYLMETHANEDIISOCYANATE - ISOMERS & HOMOLOGUES

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: >1000 mg/l, Brachydanio rerio (Zebra Fish)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 24 hours: >1000 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** , 72 hours: >1640 mg/l, Scenedesmus subspicatus

**Acute toxicity - microorganisms** EC<sub>50</sub>, 3 hours: >100 mg/l, Activated sludge

**Acute toxicity - terrestrial** NOEC, 14 days: >1000 mg/kg, Eisenia Fetida (Earthworm)

**Chronic toxicity - aquatic invertebrates** NOEC, 21 days: >10 mg/l, Daphnia magna

#### 12.2. Persistence and degradability

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

**Phototransformation** Not determined.

**Stability (hydrolysis)** Not determined.

**Biodegradation** Not readily biodegradable.

**Biological oxygen demand** Not determined.

**Chemical oxygen demand** Not determined.

### DIPHENYLMETHANEDIISOCYANATE - ISOMERS & HOMOLOGUES

**Persistence and degradability** Not readily biodegradable.

**Stability (hydrolysis)** Reacts with water.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not applicable.

### DIPHENYLMETHANEDIISOCYANATE - ISOMERS & HOMOLOGUES

**Bioaccumulative potential** BCF: < 14, Cyprinus carpio (Common carp)

#### 12.4. Mobility in soil

**Mobility** The product is non-volatile.

**Adsorption/desorption coefficient** Not determined.

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**Henry's law constant** Not determined.

**Surface tension** Not determined.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### DIPHENYLMETHANEDIISOCYANATE - ISOMERS & HOMOLOGUES

**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

**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 as hazardous waste via a licensed waste operator.

## 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

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

### **Transport labels**

No transport warning sign required.

### 14.4. Packing group

### 14.5. Environmental hazards

### **Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

### 14.7. Transport in bulk according to Annex II of MARPOL 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.

## GRIPTOP LD HARDENER

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

<b>General information</b>	Don Construction Products Ltd. Technical Datasheet.
<b>Key literature references and sources for data</b>	Health and Safety Executive Guidance Note EH40 (amended annually). Workplace Exposure Limits.
<b>Revision comments</b>	Section 1 update
<b>Revision date</b>	01/03/2017
<b>Revision</b>	10
<b>Supersedes date</b>	31/05/2016
<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	R20 Harmful by inhalation. R36/37/38 Irritating to eyes, respiratory system and skin. R40 Limited evidence of a carcinogenic effect. R42/43 May cause sensitisation by inhalation and skin contact. R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
<b>Hazard statements in full</b>	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure.

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.