

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

### 1.1. Product identifier

Product name : HL125Z/NC

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

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### 1.3. Details of the supplier of the safety data sheet

Premier Farnell  
150 Armley Road  
Leeds LS12 2QQ  
Tel. : +44 (0) 870 129 8608

### 1.4. Emergency telephone number

+44 (0) 870 202530

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification under CHIP : Xn: R20; Xi: R36/37/38; Xn: R40; Sens.: R42/43; Xn: R48/20  
Classification under CLP : Eye Irrit. 2: H319; Acute Tox. 4: H332; Carc. 2: H351; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 2: H371; -: EUH204  
Most important adverse effects : Harmful by inhalation. Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

### 2.2. Label elements

#### Label elements under CLP:

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.  
H351: Suspected of causing cancer.  
H371: May cause damage to organs .  
H373: May cause damage to organs through prolonged or repeated exposure.  
EUH204: Contains isocyanates. May produce an allergic reaction.

Signal words : Danger

Hazard pictograms : GHS07: Exclamation mark  
GHS08: Health hazard



Precautionary statements : P260: Do not breathe vapours.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+313: IF exposed or concerned: Get medical attention.

## Label elements under CHIP

Hazard symbols

: Harmful.



Risk phrases

: 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.

Safety phrases

: S22: Do not breathe dust.  
 S24: Avoid contact with skin.  
 S23: Do not breathe vapour.  
 S36/37: Wear suitable protective clothing and gloves.  
 S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
 S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

Precautionary phrases

: Contains isocyanates. See information supplied by the manufacturer.

## 2.3. Other hazards

PBT

: This substance is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)				
EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	9016-87-9	Xn: R20; Xi: R36/37/38; Xn: R40; Sens.: R42/43; Xn: R48/20	Carc. 2: H351; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317; STOT SE 2: H371; STOT RE 2: H373	50-70%
DIPHENYLMETHANE-4,4'-DI-ISOCYANATE				
202-966-0	101-68-8	Xn: R20; Xi: R36/37/38; Xn: R40; Sens.: R42/43; Xn: R48/20	Carc. 2: H351; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317; STOT SE 2: H371; STOT RE 2: H373	30-50%

## Section 4: First aid measures

### 4.1. Description of first aid measures

Skin contact	: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact	: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion	: Wash out mouth with water. Consult a doctor.
Inhalation	: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact	: There may be irritation and redness at the site of contact.
Eye contact	: There may be irritation and redness. The eyes may water profusely.
Ingestion	: There may be soreness and redness of the mouth and throat.
Inhalation	: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed / immediate effects	: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment	: Eye bathing equipment should be available on the premises.
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## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

Extinguishing media	: Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Do not use water.
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### 5.2. Special hazards arising from the substance or mixture

Exposure hazards	: In combustion emits toxic fumes.
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### 5.3. Advice for fire-fighters

Advice for fire-fighters	: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
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## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
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### 6.2. Environmental precautions

Environmental precautions	: Do not discharge into drains or rivers. Contain the spillage using bunding. Alert the neighbourhood to the presence of fumes or gas.
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### 6.3. Methods and material for containment and cleaning up

Clean-up procedures	: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.
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### 6.4. Reference to other sections

Reference to other sections	: Refer to section 8 of SDS.
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## Section 7: Handling and storage

### 7.1. Precautions for safe handling

Handling requirements : Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in cool, well ventilated area. Keep container tightly closed. Avoid contact with water or humidity.

Suitable packaging : Must only be kept in original packaging.

### 7.3. Specific end use(s)

Specific end use(s) : No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

Hazardous ingredients:

**DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)**

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.02 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup>	-	-

**DIPHENYLMETHANE-4,4'-DI-ISOCYANATE**

UK	0.02 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup>	-	-
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### 8.2. Exposure controls

Engineering measures : Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection : Self-contained breathing apparatus must be available in case of emergency.

Hand protection : Protective gloves.

Eye protection : Safety glasses. Ensure eye bath is to hand.

Skin protection : Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State : Liquid  
Colour : Brown  
Odour : Characteristic odour  
Solubility in water : Reacts with water  
Viscosity : Non-viscous  
Flash point °C : 230  
Relative density : 1.24

### 9.2. Other information

Other information : Not applicable.

## Section 10: Stability and reactivity

### 10.1. Reactivity

Reactivity : Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

Chemical stability : Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions : Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

Conditions to avoid : Heat. Direct sunlight. Humidity.

### 10.5. Incompatible materials

Materials to avoid : Water. Alcohols. Amines. Strong bases. Strong acids.

### 10.6. Hazardous decomposition products

Haz. decomp. products : In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	INH	Hazardous: calculated
Irritation	OPT INH DRM	Hazardous: calculated
Sensitisation	INH DRM	Hazardous: calculated
Repeated dose toxicity	INH	Hazardous: calculated

#### Symptoms / routes of exposure

Skin contact : There may be irritation and redness at the site of contact.  
Eye contact : There may be irritation and redness. The eyes may water profusely.  
Ingestion : There may be soreness and redness of the mouth and throat.  
Inhalation : There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.  
Delayed / immediate effects : Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

Ecotoxicity values : Not applicable.

### 12.2. Persistence and degradability

Persistence and degradability : Not readily biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential : No bioaccumulation potential.

### 12.4. Mobility in soil

Mobility : Absorbed only slowly into soil.

## 12.5. Results of PBT and vPvB assessment

PBT identification : This substance is not identified as a PBT substance.

## 12.6. Other adverse effects

Other adverse effects : No data available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal operations : Transfer to a suitable container and arrange for collection by specialised disposal company.

NB : The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

Transport class : This product does not require a classification for transport.

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

Chemical safety assessment : A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

Other information : This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Phrases used in s.2 and 3 : EUH204: Contains isocyanates. May produce an allergic reaction.  
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 <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H371: May cause damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
R20: Harmful by inhalation.

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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>Part Number</b>
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PPC125
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## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name : RL125Z/NC

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

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### 1.3. Details of the supplier of the safety data sheet

Premier Farnell  
150 Armley Road  
Leeds LS12 2QQ  
Tel. : +44 (0) 870 129 8608

### 1.4. Emergency telephone number

+44 (0) 870 202530

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification under CHIP : This product has no classification under CHIP.  
Classification under CLP : This product has no classification under CLP.

### 2.2. Label elements

#### Label elements under CLP:

Hazard symbols : No significant hazard.

### 2.3. Other hazards

PBT : This substance is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

## Section 4: First aid measures

### 4.1. Description of first aid measures

Skin contact : Wash immediately with plenty of soap and water.  
Eye contact : Bathe the eye with running water for 15 minutes. Consult a doctor.  
Ingestion : Wash out mouth with water. Do not induce vomiting. Consult a doctor.  
Inhalation : Move to fresh air in case of accidental inhalation of vapours.

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

Skin contact : There may be mild irritation at the site of contact.  
Eye contact : There may be irritation and redness.  
Ingestion : There may be irritation of the throat.  
Inhalation : No symptoms.

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

Immediate / special treatment : Not applicable.



## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

Extinguishing media : Suitable extinguishing media for the surrounding fire should be used.  
Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

Exposure hazards : In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

Advice for fire-fighters : Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

Environmental precautions : Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

Clean-up procedures : Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

Reference to other sections : Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in cool, well ventilated area. Keep container tightly closed.

### 7.3. Specific end use(s)

Specific end use(s) : No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

Workplace exposure limits : Not applicable.

### 8.2. Exposure controls

Respiratory protection : Respiratory protection not required.  
Hand protection : Protective gloves.  
Eye protection : Safety glasses. Ensure eye bath is to hand.  
Skin protection : Protective clothing.  
Environmental : No special requirement.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State	: Liquid
Colour	: Cream
Viscosity	: Viscous
Relative density	: 1.32

### 9.2. Other information

Other information	: Not applicable.
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## Section 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	: Stable under recommended transport or storage conditions.
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### 10.2. Chemical stability

Chemical stability	: Stable under normal conditions.
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### 10.3. Possibility of hazardous reactions

Hazardous reactions	: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
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### 10.4. Conditions to avoid

Conditions to avoid	: Heat. Sources of ignition.
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### 10.5. Incompatible materials

Materials to avoid	: Strong oxidising agents. Strong acids.
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### 10.6. Hazardous decomposition products

Haz. decomp. products	: In combustion emits toxic fumes.
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## Section 11: Toxicological information

### 11.1. Information on toxicological effects

Toxicity values	: Not applicable.
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### Symptoms / routes of exposure

Skin contact	: There may be mild irritation at the site of contact.
Eye contact	: There may be irritation and redness.
Ingestion	: There may be irritation of the throat.
Inhalation	: No symptoms.

## Section 12: Ecological information

### 12.1. Toxicity

Ecotoxicity values	: Not applicable.
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### 12.2. Persistence and degradability

Persistence and degradability	: No data available.
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### 12.3. Bioaccumulative potential

Bioaccumulative potential	: No data available.
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## 12.4. Mobility in soil

Mobility : No data available.

## 12.5. Results of PBT and vPvB assessment

PBT identification : This substance is not identified as a PBT substance.

## 12.6. Other adverse effects

Other adverse effects : No data available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

NB : The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

Transport class : This product does not require a classification for transport.

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

Chemical safety assessment : A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

Other information : This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

<b>Part Number</b>
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