



SAFETY DATA SHEET
INSULOC LOW RISE ADHESIVE
According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name INSULOC LOW RISE ADHESIVE
Product No. 7346

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

Identified uses Adhesive.

1.3. Details of the supplier of the safety data sheet

Supplier Garland Company UK Ltd,
Unit 5, Glevum Works,
Upton Street,
Gloucester GL1 4LA
UK
Tel: 01452 330 646
Fax: 01452 330 657
email: info@garlandukltd.co.uk

1.4. Emergency telephone number

01452 330646
09:00 - 17:00 Monday to Friday

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Carc. Cat. 3;R40. R42.

Human health

Carcinogen Category 3. The product contains a sensitising substance which may provoke an allergic reaction among sensitive individuals.

2.2. Label elements

Contains DICHLOROMETHANE
DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues

Labelling



Harmful

Risk Phrases

R40 Limited evidence of a carcinogenic effect.
R42 May cause sensitisation by inhalation.

Safety Phrases

S23 Do not breathe vapour.
S36/37 Wear suitable protective clothing and gloves.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S60 This material and its container must be disposed of as hazardous waste.
P4 Contains isocyanates. See information supplied by the manufacturer.

2.3. Other hazards

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

DICHLOROMETHANE	10-30%
CAS-No.: 75-09-2	EC No.: 200-838-9
Classification (EC 1272/2008) Carc. 2 - H351	Classification (67/548/EEC) Carc. Cat. 3;R40
DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues	1-5%
CAS-No.: 9016-87-9	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R20. Xi;R36/37/38. R42.

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

NOTE! Effects may be delayed. Keep affected person under observation.

Inhalation

Move the exposed person to fresh air at once. Get medical attention. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Perform artificial respiration if breathing has stopped. Get medical attention immediately!

Ingestion

Do not induce vomiting. Rinse mouth thoroughly. Drink plenty of water. Get medical attention.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation.

Vapours may irritate throat and respiratory system and cause coughing.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact

Liquid may irritate the skin.

Eye contact

May irritate eyes.

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

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

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Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

When heated and in case of fire, toxic vapours/gases may be formed.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

When heated and in case of fire, toxic vapours/gases may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipments for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. DO NOT touch spilled material! Ventilate well. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. To avoid build up of pressure due to the evolution of carbon dioxide, do not seal containers until fully reacted.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. 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

Read and follow manufacturer's recommendations. Avoid inhalation of vapours. Avoid contact with skin and eyes. Provide good ventilation. Wash hands after handling.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3. 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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
DICHLOROMETHANE	WEL	100 ppm	350 mg/m3	300 ppm	1060 mg/m3	Sk
DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues	WEL		0.02 mg/m3(Sen)		0.07 mg/m3(Sen)	

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

8.2. Exposure controls

Protective equipment

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Engineering measures

Provide adequate ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. Full face mask fitted with an organic AXP3 filter for short term low level exposure. For long term high level exposures, compressed airline breathing apparatus should be used.

Hand protection

Use protective gloves made of: Viton or 4H. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke. Wash hands after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Light (or pale). Brown.
Odour	Characteristic.
Solubility	The product reacts with water and will generate heat.
Initial boiling point and boiling range	39°C
Relative density	1.09
Evaporation rate	Fast

9.2. Other information

Not determined.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Strong alkalis. Strong acids. Aluminium.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Not relevant

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Humidity.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong alkalis. Aluminium.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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Other Health Effects

Carcinogen Category 3.

General information

NOTE! Effects may be delayed. Keep affected person under observation.

Inhalation

May cause sensitisation by inhalation. Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact

Prolonged contact may cause redness and irritation.

Eye contact

May irritate eyes.

Toxicological information on ingredients.

DICHLOROMETHANE (CAS: 75-09-2)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rat

REACH dossier information

Acute Toxicity (Inhalation LC50)

49 mg/l (vapours) Mouse 7 hours

REACH dossier information

DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues (CAS: 9016-87-9)

Acute toxicity:

Acute Toxicity (Oral LD50)

10000 mg/kg Rat

Miscellaneous reference sources.

Acute Toxicity (Dermal LD50)

5000 mg/kg Rabbit

Miscellaneous reference sources.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

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Ecological information on ingredients.

DICHLOROMETHANE (CAS: 75-09-2)

Acute Toxicity - Fish

LC50 96 hours 193 mg/l Pimephales promelas (Fat-head Minnow)

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

LC50 48 hours 27 mg/l Daphnia magna

REACH dossier information

DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues (CAS: 9016-87-9)

Acute Toxicity - Fish

LC50 96 hours > 100 mg/l Brachydanio rerio (Zebra Fish)

Miscellaneous reference sources.

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

SECTION 14: TRANSPORT INFORMATION

General

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

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14.6. Special precautions for user

Not applicable.

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

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

Format updated in accordance with Regulation (EU) No. 453/2010.

Revision Date 09-2012

Revision 1

Supersedes date 07-2009

Risk Phrases In Full

R20 Harmful by inhalation.
R36/37/38 Irritating to eyes, respiratory system and skin.
R40 Limited evidence of a carcinogenic effect.
R42 May cause sensitisation by inhalation.

Hazard Statements In Full

H351 Suspected of causing cancer.