

Version: Revision Date: Status: V2023A 22/11/2023 Active

Bimagrip LS 'A' Component

SAFETY DATA SHEET

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

1.1 - Product Identifier

Product Name: Bimagrip LS 'A' Component

CAS No: Not applicable EC No: Not applicable Registration Number(s): Not applicable

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

Identified Use(s): Slip resistant surfacing

Uses Advised Against: Due to the nature of this product it should not be used for any purpose other than its identified use.

1.3 - Details of the supplier of the safety data sheet

Manufacturer Identification: Beegrip

Address of Manufacturer: C/O Colony Astley, 70 Great Ancoats Street, Manchester

Postal Code: M4 5BG Telephone: +44 (0) 749 686 5570

Email: info@beegrip.com

Office Hours: Monday to Friday / 9:00am to 4:00pm

Supplier Identification: Beegrip

Address of Manufacturer: C/O Colony Astley, 70 Great Ancoats Street, Manchester

Postal Code: M4 5BG

Telephone: +44 (0) 749 686 5570 Email: +144 (0) 749 686 5570

Office Hours: Monday to Friday / 9:00am to 4:00pm

1.4 - Emergency telephone number

Emergency Phone Number: +44 (0) 749 686 5570 Contact: Technical Department

National Response Centre: NHS Direct Emergency Phone Number: +44 111

SECTION 2: HAZARDS IDENTIFICATION

2.1 - Classification of substance or mixture

Regulation (EC) No. 1272/2008 (CLP)

Skin Irrit. 2: Causes skin irritation.

Skin Sens. 1 :May cause an allergic skin reaction. Eye Irrit. 2 :Causes serious eye irritation. Acute Tox. 4 : Harmful if inhaled

Resp. Sens. 1: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT SE 3 :May cause respiratory irritation. Carc. 2 :Suspected of causing cancer.

STOT RE 2: May cause damage to organs through prolonged or repeated exposure

2.2 - Label elements

Regulation (EC) No. 1272/2008 (CLP)

Product Name: Hazard Pictograms: Bimagrip LS 'A' Component



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

EUH204 Contains isocyanates. May produce an allergic reaction

Precautionary Statements: P201 Obtain special instructions before use

P308+P313

P260 Do not breath dust/fume/gas/mist/vapours/spray
P264 Wash hands and exposed skin thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

IF exposed or concerned : Get medical attention

2.3 - Other Hazards

None known

2.4 - Additional Information

As from 24th August 2023 adequate training is required before industrial or professional use

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 - Substances

HAZARDOUS INGREDIENT(S)	CAS No.	EC No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Isocyanic acid, polymethylenepolyphenylene ester	9016-87-9	618-498-9	<80	Skin Irrit. 2 H315	GHS08
				Skin Sens. 1 H317	GHS07
				Eye Irrit. 2 H319	
				Acute Tox. 4 H332	
				Resp. Sens. 1 H334	
				STOT SE 3 H335	
				Carc. 2 H351	
				STOT RE 2 H373	
4, 4'-Methylenediphenyl diisocyanate	101-68-8	202-966-0	<20	Skin Irrit. 2 H315	GHS08
				Skin Sens. 1 H317	GHS07
				Eye Irrit. 2 H319	
				Acute Tox. 4 H332	
				STOT SE 3 H335	
				Carc. 2 H351	
				STOT RE 2 H373	

HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit		M- factor	ATE
Isocyanic acid, polymethylenepolyphenylene ester	9016-87-9				Acute Tox. 4 (H332) : 11 000
4, 4'-Methylenediphenyl diisocyanate		Skin Irrit. 2	C>=5.00<=100.00		Acute Tox. 4
	101-68-8	Eye Irrit. 2	C>=5.00<=100.00		(H332): 11 000
	101-00-0	Resp. Sens. 1	C>=0.10<=100.00		
		STOT SE 3	C>=5.00<=100.00	1	

3.2 - Mixtures

Not applicable

SECTION 4: FIRST AID MEASURES

4.1 - Description of first aid measures

Inhalation Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.

Skin Contact

Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical

advice/attention. Specific treatment (see Medical Advice on this label). Get medical advice/attention if you feel unwell.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get

medical advice/attention if you feel unwell. If eye irritation persists: Get medical advice/attention.

Ingestion Get medical advice/attention if you feel unwell.

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

May cause irritation. Allergic contact dermatitis.

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

Specific treatment (see Medical Advice on this label). Call a doctor if you feel unwell. Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 - Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire. Unsuitable Extinguishing media None.

5.2 - Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

5.3 - Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 - Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Ensure full personal protection (including respiratory protection) during removal of spillages.

6.2 - Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 - Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

6.4 - Reference to other sections

See Also Section 8, 13

SECTION 7: HANDLING AND STORAGE

7.1 - Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. [In case of inadequate ventilation] wear respiratory protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

7.2 - Conditions for safe storage, including any incompatibilities

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Storage Temperature Ambient (5C to 30C)

Storage Life Stable under normal conditions

Incompatible materials None known

7.3 - Specific end use(s)

Slip resistant surfacing

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 - Control parameters

8.1.1 - Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA ppm)	STEL (ppm)	STEL (mg/m3)	Note
Isocyanates, all (as -NCO) Except methyl isocyanate	101-68-8		0.02		0.07	Sen

Region Source

United Kingdom UK Workplace Exposure Limits EH40/2005 (Fourth Edition published 2020)

Remark Notes

Sen Capable of causing occupational asthma

Biological Exposure Indices						
Substances	CAS No.	Sampling	Tissues		Biological monitoring value	Comment
Isocyanates (applies to HDI, IPDI, TDI and MDI)		At the end of the period of exposure	urine	diamine	1 µmol isocyanate- derived diamine/mol creatinine	

8.2 - Exposure controls

8.2.1 - Appropriate engineering controls

Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2 - Personal protective equipment

Eye Protection	Wear eye protection with side protection (EN166).
Skin Protection	Wear protective clothing and gloves: Impervious gloves (EN 374).
Respiratory Protection	Where natural ventilation or engineering controls are not fitted or inadequate wear suitable respiratory protective equipment. A suitable mask with filter type A (EN14387 or EN405) may be appropriate. PF200: 200 x Protection Factor.
Thermal Hazards	None known.

8.2.3 - Environmental exposure controls

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 - Information on basic physical and chemical properties

Appearance Liquid Colour: Brown

Mouldy/Musty Odour Odour threshold No data Not known

Melting point/Freezing Point 5°C (crystallizes below 10°C) Initial boiling point & boiling range >300°C (decomposes above 300°C)

Flash point >200°C (closed cup) Evaporation rate No data

Flammability (solid, gas) Not known Upper/lower flammability limits No data Vapour pressure <0.01 Pa @ 25°C Vapour density No data Density (g/ml) 1.22 @ 20°C Relative density No data

Solubility(ies) Solubility (water): Reacts with water

Solubility (Other): No data

Partition coefficent: n:octanol/water No data Auto-ignition temperature No data Decomposition temperature (°C) >230°C

Viscosity 50-80 mPa.s @ 25°C **Explosive properties** Not explosive Oxidising properties No data

9.2 - Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1 - Reactivity

None anticipated

10.2 - Chemical stability

Stable under normal conditions

10.3 - Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 - Conditions to avoid

None anticipated

10.5 - Incompatible materials

Not known.

10.6 - Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 - Information of toxicological effects

Acute toxicity - Ingestion

Acute toxicity - Skin contact

Acute toxicity - Inhalation

Acute toxicity - Inhalation

Skin corrosion/irritation

Serious eye damage/irritation

Calculation method: Not classified

Calculation method: Harmful if inhaled

Calculation method: Causes skin irritation

Calculation method: Causes serious eye irritation

Skin sensitization data Calculation method: May cause an allergic skin reaction Not classified

Respiratory sensitization data Calculation method: May cause allergy or asthma symptoms or breathing difficulties if inhaled

Germ cell mutagenicity Calculation method: Not classified

Carcinogenicity Calculation method: Suspected of causing cancer

Reproductive toxicity

Calculation method: Not classified
Lactation

Calculation method: Not classified

STOT - single exposure Calculation method: May cause respiratory irritation

STOT - repeated exposure Calculation method: May cause damage to organs through prolonged or repeated exposure

Aspiration hazard Calculation method: Not classified

11.2 - Other information

Not known

SECTION 12: ECOLOGICAL INFORMATION

12.1 - Toxicity

Toxicity - Aquatic invertebrates

Toxicity - Fish

Toxicity - Algae

Toxicity - Sediment Compartment

Toxicity - Terrestrial Compartment

Low toxicity to Algae

Low toxicity to Algae

Not classified

Not classified

12.2 - Persistence and degradability

Not known

12.3 - Bioaccumulative potential

Not known

12.4 - Mobility in soil

This product has high mobility in soil

12.5 - Results of PBT and vPvB assessment

Not Known

12.6 - Other adverse effects

Not Known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 - Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

13.2 - Additional information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 - UN number

Not applicable

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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

Not classified as a marine pollutant

14.6 - Special precautions for user

Not known

14.7 - Transport in bulk according to Annex II of Marpol and the IBC code

Not knowr

SECTION 15: REGULATORY INFORMATION

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

United Kingdom Regulations Not applicable

European Regulations Authorisations and/or Restrictions On Use
Candidate List of Substances of Very High Concern for Authorisation Not listed
REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market &

use of certain dangerous substances, mixtures & articles

Methylenediphenyl diisocyanate (MDI) (101-68-8), Isocyanic acid,

polymethylenepolyphenylene ester (9016-87-9) Methylenediphenyl diisocyanate (MDI) (101-68-8)

Community Rolling Action Plan (CoRAP)

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on Not listed

persistent organic pollutants

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer

Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council

concerning the export and import of hazardous chemicals

Not listed

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)





GHS08

GHS07

Hazard classification

Skin Irrit. 2 : Skin corrosion/irritation, Category 2

Skin Sens. 1 : Skin sensitization, Category 1

Eye Irrit. 2 : Serious eye damage/irritation, Category 2

Acute Tox. 4 : Acute toxicity, Category 4

Resp. Sens. 1: Respiratory sensitization, Category 1

STOT SE 3 : Specific target organ toxicity — single exposure, Category 3

Carc. 2 : Carcinogenicity, Category 2

STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2

Hazard statement(s):

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

 ${\it H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.}$

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancer.

H373: May cause damage to organs through prolonged or repeated exposure.

EUH204: Contains isocyanates. May produce an allergic reaction.

Precautionary Statement(s):

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands and exposed skin thoroughly after handling.

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

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

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

P284: In case of inadequate ventilation wear respiratory protection.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.

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

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.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P312: Call a POISON CENTRE/doctor if you feel unwell.

P314: Get medical advice/attention if you feel unwell.

P321: Specific treatment (see Medical Advice on this label).

P331: Do NOT induce vomiting.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P342+P311: If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.

P362+P364: Take off contaminated clothing and wash it before reuse.

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

P405: Store locked up.

P501: Dispose of contents in accordance with local, state or national legislation.

P502: Refer to manufacturer or supplier for information on recovery or recycling.

Acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

 ${\sf ADR: European\ Agreement\ concerning\ the\ International\ Carriage\ of\ Dangerous\ Goods\ by\ Road}$

ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level EC : European Community

EINECS: European Inventory of Existing Commercial Chemical Substances

IATA: International Air Transport Association

IBC : Intermediate Bulk Container

ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods

LTEL: Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity

UN: United Nations

vPvB: very Persistent and very Bioaccumulative

Key literature references Regulation (EC) No. 1272/2008 (CLP)

and sources for data used to compile the SDS:

Issued by:BeegripRevision Number:V2023ARevision Date:22/11/2023Product & SDS status:Active

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