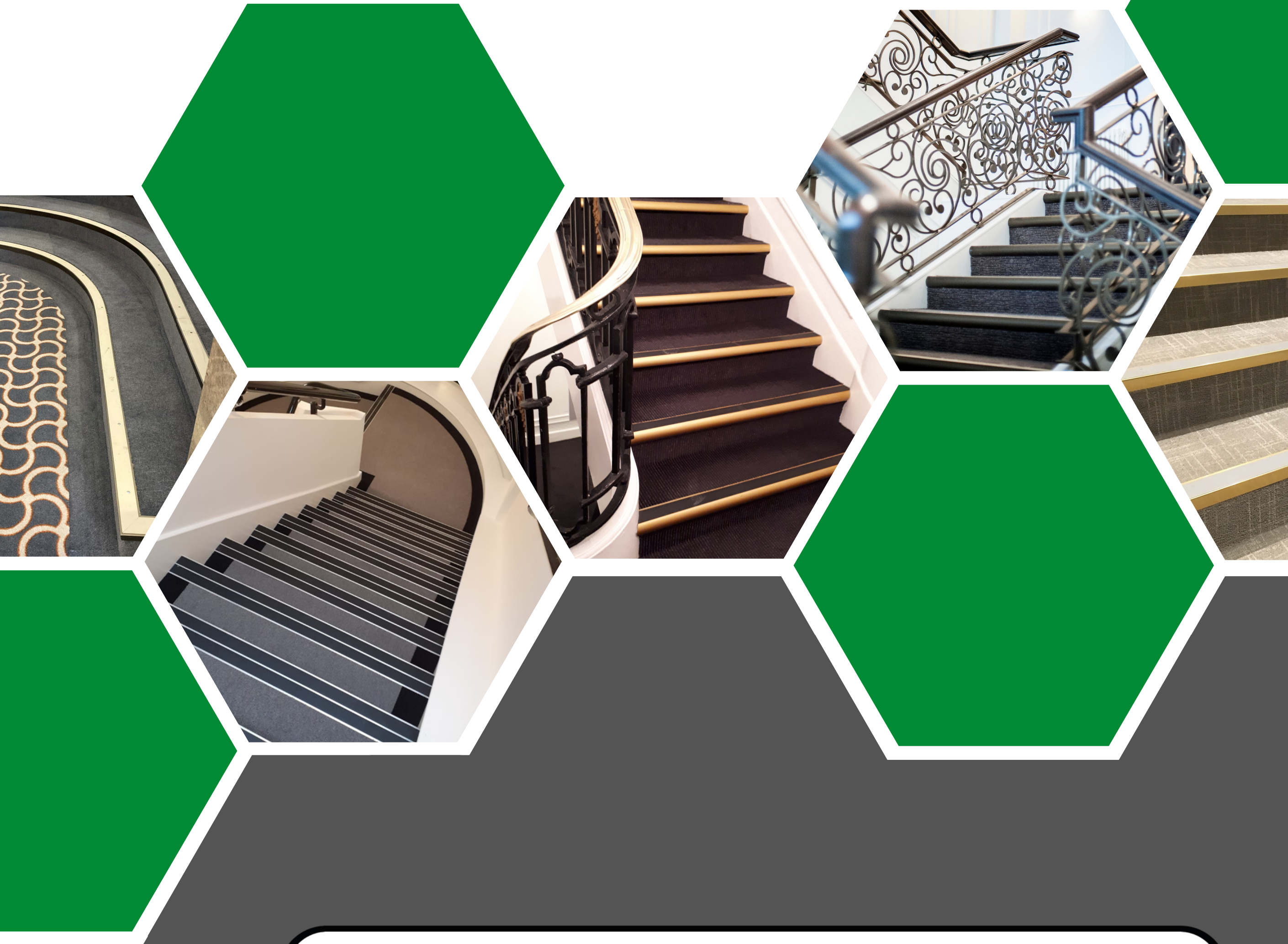


morleys

S T A I R N O S I N G S



morGRIP
I N S E R T

DATA SHEET

Technical & safety information for the MorGrip range of inserts.
Available for use in SN Range Stair Nosings.

Subject	Result
Composition	PVC upper, PET base
Type of Adhesive	Solvent Acrylic
Overall thickness (mm)	2mm
Tackloop (kg/25.4mm)	6.23
Cohesion (minutes/25°C)	2812 ↑
Temperature range	-10°C ~ 80°C
Lifespan (months)	12 - 24 months

Co-efficient of Friction data

Product	Dry Surface (TRL)	Wet Surface (TRL)
MorGrip Insert	95	60

Light Reflectance Value (LRV) data

Colour	Average LRV
Obsdian	1.80
Rhino	5.70
Solar	55.10

The above tests were conducted in accordance with Pendulum, the tests were conducted at a recognised independent friction testing laboratory, and copy certificates are available on request.

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

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

1.1. Product identifier

MorGrip Insert

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

Identified uses: Industrial use

1.2. Details of the supplier of the safety data sheet

Morleys 2013 Ltd, Unit 20, Higher Walton Mill. Preston, PR5 4DJ
01772 626700 | sales@morleys2013.co.uk

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/21 108

CLASSIFICATION:

This material is not classified as hazardous according to Regulation (EC) No. 1272/2008, as amended, on classification, labelling, and packaging of substances and mixtures.

2.2. Lab elements

CLP REGULATION (EC) No 1272/21108 -Not applicable

2.3. Other hazards

None known

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	% by Weight	Classification
Acrylic Adhesive	Trade Secret	100	Substance not classified as harmful
Paper or film disposable liner	Mixture	N/A	Substance not classified as harmful

Please see section 16 for the full text of any H statements referred to in this section
For information on ingredient occupational exposure limits or PBT or vPVB status, see sections 8 and 12 of this SDS.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation/Skin Contact/Eye Contact/If swallowed

No need for first aid is anticipated

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

See Section 11.1 - Information on toxicological effects

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

Not applicable

SECTION 5: Firefighting measures

5.1. Extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish

5.2. Special hazards arising from the substance or mixture

None inherent in this product

Hazardous Decomposition or By-products

Hydrocarbons - During Combustion

Carbon monoxide - During Combustion

Carbon dioxide - During Combustion

5.3. Advice for fire-fighters

No special protective actions for firefighters are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Not applicable

6.2. Environmental precautions

Not applicable

6.3. Methods and material for containment and cleaning up

Not applicable. Collect as much of the spilled material as possible. Dispose of collected material as soon as possible.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

7.2. Conditions for safe storage including any incompatibilities

Not applicable

7.3. Specific end use(s)

See information in Section 7.1. and 7.2. for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this SDS.

Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this SDS.

8.2. Exposure controls

8.2.1. Engineering controls

Not applicable

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Not required

Skin/hand protection

No chemical protective gloves are required.

Respiratory protection

Not required

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State -	Solid
Specific Physical Form -	Roll format
Appearance/Odour -	Textured film with a slight acrylic odour
Odour threshold -	N/A
pH -	N/A
Boiling point/range -	N/A
Melting point -	N/A
Flammability (solid, gas) -	Not classified
Explosive properties -	Not classified
Oxidising properties -	Not classified
Flash point -	N/A
Auto ignition temperature -	N/A
Flammable Limits (LEL) -	N/A
Flammable Limits (UEL) -	N/A
Vapour pressure -	N/A
Relative density -	N/A
Water solubility -	Nil
Solubility (non-water) -	N/A
Partition coefficient: n-octagon/water -	N/A
Evaporation rate -	N/A
Vapour density -	N/A
Decomposition temperature -	N/A
Viscosity -	N/A
Density -	N/A

9.2. Other information

Percent volatile -	N/A
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SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non-reactive under normal use conditions

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

Hazardous polymerisation will not occur

10.4. Conditions to avoid

None known

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

None known.

Refer to Section 5.2. for hazardous decomposition products during combustion.

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

SECTION 11: Toxicological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classification in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data present in Section 1.1. are based on UN GHS calculation rules and classifications derived from supplier assessments.

11.1. Information on toxicological effects

Signs and Symptoms of Exposure

Inhalation

No health effects are expected. No known health effects.

Skin/eye contact

No health effects are expected. Contact with the eyes or skin during product use is not expected to result in significant irritation.

Ingestion

No health effects are expected. No known health effects.

Additional information:

This product, when used under reasonable conditions and in accordance with the suppliers directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

Toxicological Data

If a component is disclosed in Section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification. _

Acute Toxicity

MorGrip via Ingestion - No data available, calculated ATE* >5,000 mg/kg

*ATE - Acute Toxicity Estimate

Skin Corrosion/Irritation

For the component/components, either no data is currently available or the data is not sufficient for classification.

Serious Eye Damage/Irritation

For the component/components, either no data is currently available or the data is not sufficient for classification.

Skin Sensitisation

For the component/components, either no data is currently available or the data is not sufficient for classification.

Respiratory Sensitisation

Respiratory Sensitisation

For the component/components, either no data is currently available or the data is not sufficient for classification.

Germ Cell Mutagenicity

For the component/components, either no data is currently available or the data is not sufficient for classification.

Carcinogenicity

For the component/components, either no data is currently available or the data is not sufficient for classification.

Reproductive Toxicity

Reproductive and/or Developmental Effects

For the component/components, either no data is currently available or the data is not sufficient for classification.

Target Organ(s)

Specific Target Organ Toxicity - single exposure

For the component/components, either no data is currently available or the data is not sufficient for classification.

Specific Target Organ Toxicity - repeated exposure

For the component/components, either no data is currently available or the data is not sufficient for classification.

Aspiration Hazard

For the component/components, either no data is currently available or the data is not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data present in Section 12 are based on UN GHS calculation rules and classifications derived from suppliers assessments.

12.1. Toxicity

No product test data available.

No component test data available.

12.2. Persistence and degradability

No test data available

12.3. Bio accumulative potential

No test data available

12.4. Mobility in soil

Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

No information available at this time, contact manufacturer for more details

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

See section 11.1. information on toxicological effects

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of the supplier, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

EU Waste code (product as sold)

08 04 10 - Waste adhesives and sealants other than those mentioned in 08 04 09

SECTION 14: Transportation information

ADA/IATA/IMDG Not restricted for transport.

SECTION 15: Regulatory information

DISCLAIMER: The information on this SDS is based on the experience of our supplier and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other material. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.