

SAFETY DATA SHEET (SDS)

SUNMIGHT R203 ROLOC DISC
Version: 1.0 Issue Date: JAN 2026

SECTION 1: Identification

1.1 Product Identifier

Product Name: Sunmight R203 Roloc Disc
Product Type: Coated Abrasive / Roloc Surface Conditioning Disc

1.2 Recommended Use

Grinding, deburring, rough sanding, surface preparation.

1.3 Supplier Details

International Abrasives Ltd
Unit 18
Box Road
Broughton Astley
LE9 6TJ, UK
Emergency telephone number: 0116 326 11 11

1.4 Product Safety Standard

Conforms to EN13743 safety requirements for coated abrasive products.

SECTION 2: Hazard Identification

2.1 Classification

Not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).
This product is an **article** under REACH and not subject to CLP classification.

2.2 Label Elements

Signal word: Not applicable
Pictograms: Not applicable
Hazard statements: Not applicable

Additional EU information: This product is an article under REACH and not subject to CLP labelling.

2.3 Other Hazards

- Dust generated during grinding may cause respiratory irritation.
- Flying particles may cause eye injury.
- Mechanical abrasion may irritate skin.
- Polyester backing and resin bond may release fumes if overheated.

SECTION 3: Composition / Information on Ingredients

Ingredient	CAS No.	% by Weight
Alumina Zirconia Abrasive Grain	Mixture	40–60%
Polyester Cloth Backing (Ywt / Xwt)	Mixture	20–35%
Phenolic Resin (Resin-over-Resin bond)	9003-35-4	10–20%
Active Filler / Grinding Aid (Super Size Coat)	Mixture	<5%
Calcium Carbonate / Additives	471-34-1	<3%

Exact percentages are withheld as trade secret.

REACH: This product is considered an **article** and is exempt from registration.

SECTION 4: First Aid Measures

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash with soap and water.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present.

Ingestion: Not expected. Seek medical advice if discomfort occurs.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical, CO₂.

Special Hazards:

Thermal decomposition may release:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)
- Phenolic vapors
- Polyester decomposition fumes

Protective Equipment:

Firefighters should wear self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

Personal Precautions: Avoid breathing dust from used or damaged discs.

Environmental Precautions: Prevent uncontrolled dust release.

Cleanup: Not applicable for solid articles.

SECTION 7: Handling and Storage

Handling:

- Avoid breathing grinding dust.
- Inspect discs before use; replace if cracked or damaged.
- Wear eye and face protection.

Storage:

Store in a cool, dry area away from moisture and direct sunlight.

SECTION 8: Exposure Controls / Personal Protection

8.1 Occupational Exposure Limits

Substance	Agency	Limit
Particulates (PNOS)	ACGIH	10 mg/m ³ (inhalable)
Aluminum Oxide (Al ₂ O ₃)	OSHA	15 mg/m ³ (total dust)
Calcium Carbonate	ACGIH	10 mg/m ³ (inhalable)

8.2 Exposure Controls

Engineering Controls: Local exhaust ventilation during grinding.

Eye/Face Protection: Safety glasses with side shields or face shield.

Respiratory Protection: Dust mask or N95 respirator.

Skin Protection: Protective gloves recommended.

EU OEL: Follow Directive 2000/39/EC and 2009/161/EU for workplace dust exposure.

SECTION 9: Physical and Chemical Properties

Property	Value
Physical State	Solid
Color	Blue / Green (typical R203 color)
Odor	Slight resin odor
pH	Not applicable
Flash Point	Not applicable
Solubility	Insoluble in water
Autoignition Temperature	Not applicable

SECTION 10: Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Extreme heat, open flame.

Hazardous Decomposition: CO, CO₂, phenolic vapors, polyester fumes.

SECTION 11: Toxicological Information

Likely Routes of Exposure:

- Inhalation of grinding dust
- Eye contact
- Skin contact

Symptoms:

- Respiratory irritation
- Eye redness, tearing
- Skin abrasion

Carcinogenicity:

Alumina zirconia is not classified as carcinogenic.

Grinding dust composition depends on the workpiece material.

SECTION 12: Ecological Information

No known significant environmental hazards.

Not classified as hazardous to the environment under EU criteria.

SECTION 13: Disposal Considerations

Dispose of used discs according to local regulations.

Consider contamination from the material being abraded.

Dispose according to Directive 2008/98/EC.

SECTION 14: Transport Information

Not classified as dangerous goods under ADR/RID, IMDG, IATA.

SECTION 15: Regulatory Information

Product is considered an article under TSCA and REACH.

Not subject to GHS classification requirements.

Conforms to EN13743 for coated abrasive products.

This SDS is prepared according to Annex II of REACH Regulation (EC) No 1907/2006.

SECTION 16: Other Information

Prepared in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200).

This SDS applies to the product as supplied.

Grinding dust composition depends on the workpiece material.

No H-statements apply.
