

SAFETY DATA SHEET (SDS)

SURFACE CONDITIONING DISC
Version: 1.0 Issue Date: JAN 2026

SECTION 1: Identification

1.1 Product Identifier

Product Name: Surface Conditioning Disc

Product Type: Non-woven Abrasive

1.2 Recommended Use

Surface conditioning, blending, deburring, finishing, rust removal.

For industrial and professional use only.

1.3 Supplier Details

International Abrasives, Unit 18, Box Road, Broughton Astley, LE9 6TJ

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.
- Nylon/polyamide fibers may melt under excessive heat.
- Grinding dust composition depends on the workpiece material.
- Not PBT or vPvB according to REACH Annex XIII.

SECTION 3: Composition / Information on Ingredients

Non-woven abrasive article consisting of synthetic fiber web impregnated with resin and abrasive grains.

Component	CAS No.	% by Weight	Classification
Aluminum Oxide (Al ₂ O ₃)	1344-28-1	20–40%	Not hazardous
Silicon Carbide (SiC) (<i>depending on grade</i>)	409-21-2	10–30%	Not hazardous
Nylon / Polyamide Fiber	Mixture	30–50%	Not hazardous
Phenolic Resin (cured)	9003-35-4	10–20%	Not hazardous
Additives / Fillers	Mixture	<5%	Not hazardous

No hazardous ingredients above regulatory thresholds.

No nanomaterials present.

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.

Symptoms:

- Eye irritation from dust
 - Respiratory irritation
 - Skin abrasion
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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)
- Nitrogen oxides (NO_x)
- Phenolic vapors
- Nylon 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 sanding dust.

- Inspect disc before use; replace if torn, cracked, or delaminated.
- Wear eye and face protection.
- Do not exceed recommended RPM.

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)

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.

SECTION 9: Physical and Chemical Properties

Property	Value
Physical State	Solid
Color	Brown / Red / Blue / Grey (depending on grade)
Odor	Slight resin odor
pH	Not applicable
Flash Point	Not applicable
Solubility	Insoluble in water
Autoignition Temperature	>300°C (nylon fibers)
Decomposition Temperature	>250°C

SECTION 10: Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Extreme heat, open flame.

Hazardous Decomposition: CO, CO₂, NO_x, phenolic vapors, nylon 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: Not classified as carcinogenic.

Grinding dust composition depends on the workpiece material.

SECTION 12: Ecological Information

Not classified as hazardous to the environment.

Non-woven abrasive materials are inert and not biodegradable.

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 abrasive products.

Prepared according to REACH Regulation (EC) No 1907/2006 Annex II.

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.
