

Material Safety Data Sheet



1. Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Substance or preparation trade name: Grinding and cutting Discs

Unique reference numbers(s): CSS1010, CSS1110, CSS1210, CSS2319, CS1025, CS1125, CS1225, CS2330, CS3035, GS1060, GS1160, GS1260, GS2360

Relevant identified uses of the substance and uses advised against:

Organic bonded abrasives for the grinding / cutting of different kinds of materials

1.3 Details of the supplier providing the safety data sheet:

Company/undertaking name & address: Parweld Ltd, Long Bank, Bewdley, Worcs, UK

ABN: 95 000 029 729

Telephone number: +00 44 1299 266800

Telefax: +00 44 1299 266900

1.3.1. Contact Person: Jonathan Websdell
E-Mail: jw@parweld.co.uk

1.4 Emergency telephone number: +00 44 1299 266800

2. Composition

Substance:	% content:	CAS Number:	Classification:	EINECS:
Aluminum Oxide	60-80%	1344-28-1		215-691-6
Silicon Carbide	N/A	409-21-2		206-991-8
Zirconium Oxide		1314-23-4		215-227-2
Phenolic Resin	0-15%	9003-35-4		

3. Hazards Identification

Classification according to Regulation (EC) No 1272/2008

The products contain the following ingredients which are classified according to Regulation (EC) Nr. 1272/2008 or for which a community occupational exposure limit value exists:

Substance	EC N	CAS N	Reach	%	Hazard Class	Hazard Statement
Cryolite (sodium Aluminium fluoride)	237-410-6	13775-53-6	01 2119511565-43	3-8	Acute Toxicity 4 Reproductive toxicity Lact. STOT RE 1 Aquatic Chronic	H332 H362 H372 H411

4. First aid measures

4.1 Description of first aid measures:

Skin contact:	May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Eye contact:	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Inhalation:	May cause irritation to mucous membranes. Move the exposed person to fresh air.
Ingestion:	May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

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

Ingestion: May cause irritation.
Skin contact: May cause skin irritation. Eye
Contact: May cause eye irritation.

4.3 Immediate medical attention or special treatment:

No specific treatment required, treat symptomatically.

5. Fire fighting measures

5.1 Extinguishing media:

5.1.1. Suitable extinguishing agents:- Use extinguishing media appropriate to the surrounding fire conditions

5.1.2. Unsuitable extinguishing agents: No information available.

5.2. Special hazards arising from the substance or mixture: Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters: Wear suitable respiratory equipment when necessary

6. Accidental release measures

Not Applicable

7. Handling and storage

7.1 Precautions for safe Handling Fragile products handle with care. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2 Conditions for safe storage, including any incompatibilities: Store in moderate temperature and humidity .

7.3 Specific end uses: No special regulations

8. Exposure Controls

8.1 Control Parameters Before grinding it is recommended to perform a risk assessment and to use personal protection equipment accordingly.

8.2 Limitation and monitoring of exposure: Before grinding it is recommended to perform a risk assessment and to use personal protection equipment accordingly.

Limit Origin	substance	EC No	Cas No	Occupational Limit				Peak limit	Comment
				Long Term		Short Term			
				mg/m3	ml/m3	mg/m3	ml/m3		
WEL (UK)	cryolite	237-410-6	13775-53-6	2.5					HSL,GESTIS
EU	"	"	"	2.5	-	-	-	-	-

8.2.1 Appropriate technical control:

Ensure adequate ventilation at the workplace.

8.2.2. Individual protection measures, such as personal protective equipment:

The information on personal protective equipment is for informational purposes only. A full risk assessment, taking into account local conditions, is required before using the product to determine the appropriate personal protective equipment.

1. Eye/face protection: Use appropriate safety goggles/Visor (EN 166). Type depends on specific application and material being ground.

2. Skin protection: Use protective clothing appropriate to the material being ground or cut

a. Hand protection: Wear protective gloves, Type depends on specific application and material being ground

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b. Eye protection: Wear protective goggles or face shield, Type depends on specific application and material being ground.

3. Respiratory Protection: Use respiratory protection, Type depends on specific application and material being ground.

4. Thermal hazards: Use protection appropriate to the material being ground.

8.2.3 Limitation and monitoring of environmental exposure:

No special measures.

9.0 Physical and chemical properties

9.1 Physical and chemical properties

Parameter	Value / Test Method / Notes
Appearance	Solid black material with colour coding
Odour	neutral odour
Odour threshold	no information
pH	no information
Melting point/freezing point	no information
Initial boiling point and boiling range	no information
Flash point	no information
Evaporation rate:	no information
Flammability (solid, gaseous):	no information

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Upper/lower flammability or explosive limits	no information
Vapor pressure:	no information
Vapor density:	no information
Relative density	1.01-1.05
Solubility(ies)	soluble in water
Partition coefficient:	no information
Self-ignition temperature:	no information
Decomposition temperature:	no information
Viscosity:	no information
Explosive properties:	no information
Oxidizing properties:	no information

9.2 Other Information:

None

10. Stability and reactivity

10.1. reactivity:

No reactivity known.

10.2. Chemical stability:

Stable under normal conditions.

10.3. Possibility of hazardous reactions:

No dangerous reactions known.

10.4. Conditions to avoid:

No known conditions to avoid.

10.5. Incompatible materials:

No incompatible materials known.

10.6. Hazardous decomposition products:

At temperatures exceeding 250° C hazardous or toxic decomposition products may be generated.

11. Toxicological information

11.1. Information on toxicological effects:

Acute toxicity: Based on the available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on the available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on the available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.1.2. Information on toxicological effects: No information available.

11.1.3. Test data on possible routes of exposure: Ingestion, inhalation, skin and eye contact.

11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:

Ingestion: May cause irritation.

Skin contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term

exposure: No information available.

11.1.6. **Interactions:** No information available.

11.1.7. **Lack of specific data:** Not specified.

11.1.8. **Other Information:** No information available.

12. Ecological information

12.1. **Toxicity:** The substance is not classified as environmentally hazardous.

12.2. **Persistence and degradability:** This product is not completely degradable.

12.3. **Bioaccumulative Potential:** No information available.

12.4. **Mobility in soil:** No information available.

12.5. **Results of PBT and vPvB assessment:** No information available.

12.6. **Other harmful effects:** No further relevant information available..

13 Disposal Considerations

13.1. **Waste treatment methods:** Disposal according to local regulations.

13.1.1. **Information regarding the disposal of the product:** Disposal in accordance with local and national regulations. Contact an approved waste disposal company.

Waste list: No waste catalog number (LoW code) can be specified for this product, as only the intended use by the consumer allows assignment. The LoW code is to be determined after consultation with the disposal company.

13.1.2. **Information on disposal of the packaging:** Empty containers can be sent for disposal or recycling.

13.1.3. **Physical/chemical properties that may affect potential waste treatment methods:** No information available.

13.1.4. **Wastewater disposal:** No information available.

13.1.5. **Special Precautions for Recommended Waste Treatment:** No information available.

14. Transport information

Further information The product is not classified as dangerous for carriage or covered by any regulations

15. Regulatory information

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

No specific labelling requirements under respective EC directives.

15.2. Chemical Safety Assessment: Not relevant..

16. Other Information

Information for the revised safety data sheets: No information.

References / data sources:

REACH Regulation (EC) Nr. 1907/2006

Regulation (EC) N° 1272/2008

Directive 98/24/EC

Directive 2000/39/EC

Directive 75/324/EEC

Decision 2000/532/EC Transport regulations according to ADR, RID und IATA.

According to Regulation (EC) N° 1272/2008:

Substance Cryolite

H 332 Harmful if inhaled.

H 372 Causes damage to organs (lung, skeleton) by prolonged or repeated exposure.

H 362 May cause harm to breast-fed babies.

H 411 Toxic to aquatic life with long lasting effect