

MATERIAL SAFETY DATA SHEET (MSDS)

Product: SALCUT /
SALGRIND

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

Material Name: SALCUT & SALGRIND BONDED ABRASIVE DISCS
Uses: Flap Disc products for grinding of different materials.
Brand: SAL

UK Distributor: Lloyd & Jones Engineers Limited
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Bootle
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IMPORTANT NOTICE:

Bonded Abrasives are dormant products which will not create any risk when properly handled or stored. When used on a cutting / grinding machine they require PPE to protect the operator and adherence to the specific safety instructions. During the cutting grinding process, 90+% of the particles released by the process are from the work material, particular attention must therefore be paid to protection devices and safety procedures appropriate for the material being worked.

MSDS Distribution: The information in this document should be made available to all who may handle the product.

Disclaimer: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SECTION 2: Composition and Ingredients Information

Product Summary: SALCUT & SALGRIND BONDED ABRASIVE DISCS with

2.1	Abrasive Bond	Synthetic Aluminum oxide
2.2	Bond	Organic – Polymerised synthetic resin
2.3	Fillers	Sulfur compounds Iron sulfure / Potassium sulfate
2.4	Reinforcement	Glass Cloths

SECTION 3: Hazardous Ingredient Identification (Hazardous Identification)

Not Applicable

Bonded Abrasives are not dangerous products defined in EC Directive No 88/379

SECTION 4: First aid measures

Not applicable when bonded abrasives are in use in machines

The following recommendations are basic rules for use during the cutting/grinding operation. They must be used in conjunction with the information appearing in the safety data sheets of the material being ground.

4.1	Eye Contact	Flush eyes with plenty of water for at least 15 minutes. If still irritated, seek medical attention
4.2	Skin Contact	Wash affected area with soap and water thoroughly. If still irritated, seek medical attention.
4.3	Inhalation	Immediately remove affected person to fresh clean air. If breathing is difficult, seek medical attention
4.4	Ingestion	No hazardous effect known.
4.5	Notes	No additional information needed

SECTION 5: Firefighting measures

5.1	Special hazards arising from the substance or mixture	Not applicable
5.2	Advice for firefighters	Wear self-contained breathing apparatus as fumes or vapors may be harmful. Water Foam, Sand CO2 etc can be used if compatible with operating conditions.

SECTION 6: Accidental Release

6.1. Not applicable

SECTION 7: Handling & Storage Requirements

The following recommendations should be followed to prevent damage to abrasive products, which may create a risk of rupture when in use

7.1 Handling	Fragile products, handle and store with care to avoid damage. Wear gloves when handling. Avoid exposure to dust.
7.2 Storage	Store in a moderate constant temperature and humidity conditions. Excessive heat, humidity or thermal shocks may mechanically weaken the products and create hazards when used.

SECTION 8: Exposure controls/personal protection

	When using bonded abrasives please follow all the instructions and rules provided by the machine manufacturer to prevent accidents.
8.1. Respiratory protection	Avoid breathing dust created by grinding or cutting machining. When exposure limits are exceeded or when dust concentrations are excessive, approved respirators for those conditions should be used.
8.2. Ventilation	Solid Use local exhaust ventilation as required to ensure exposure to dust levels are not exceeded.
8.3 Eye protection: State	Avoid eye contact, Safety goggles with side shields recommended, or full face shield.
8.4. Hand protection	Use of barrier cream or protective gloves
8.5. Ears protection:	Use of ear muffs or equivalent
8.6. Hygiene measures:	No specific requirements

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

9.1. Appearance	<i>Solid black disc with information label and reinforced mounting hole</i>
9.2. Physical State	<i>Solid</i>
9.3 Change of Physical State	<i>Not Applicable</i>
9.4. Colour	<i>Variable</i>
9.5. Odour	<i>Not applicable (may give off non specific odour in use)</i>
9.6. Boiling Point	<i>None Apply</i>
9.7. Vapor Density	<i>None Apply</i>
9.8. Vapour Pressure	<i>None Apply</i>
9.9. Specific Gravity	<i>None Apply</i>

9.10. Melting Point	None Apply
9.11. Solubility in water	None apply
9.12. Evaporation Rate	None Apply
9.13. Flash Point	None Apply
9.14. pH	Not Applicable
9.15. Explosion Properties	Not Applicable
9.16. Viscosity	Not Applicable

SECTION 10: Stability and reactivity

10.1. Stability	Stable and non-reactive when handled or stored
10.2. Incompatibility	Strong Alkali or acids may modify the mechanical characteristics of the product and create a safety hazard.
10.3 Hazardous Decomposition of By Products	If bonded abrasives are used in accordance with instructions no hazardous decomposition products are created. Grinding dust may occur.
10.4. Hazardous Polymerization	Does not occur
10.5. Material to avoid	Strong Acid, strong bases and strong oxidizing agents may modify the mechanical characteristics of the products and create safety hazards when used on machines.

SECTION 11: Toxicological information

NOT APPLICABLE WHEN HANDLED OR STORED

According to experience gathered for many years, when properly used, bonded abrasives have no adverse effects on health. Refer to earlier note about dust and grinding fluid.

SECTION 12: Ecological information

12.1. Ecotoxicity	Not applicable
12.2. Persistence / Degradability	Not bio-degradable
12.3 Bioaccumulation / Accumulation	Not applicable
12.4. Mobility in Environment	Not applicable

SECTION 13: Disposal considerations

13.1. Proper Disposal Method	Dispose of product in accordance with local and national regulations.
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13.2. EPA Hazardous Waste Number (RCRA)

Maybe contaminated with hazardous matters such as particles or cooling agents

SECTION 14: Transport information

14.1. Transport

The bonded abrasive are not dangerous products and no specific regulations for any type of transport apply.

Protect from rain and excessive temperature and humidity.

No special precautions other than to insure no physical damage occurs.

SECTION 15: Regulatory information

15.1. Regulatory

EC Regulations. NONE, no specific marking required under EC directive No 88/379

SECTION 16: Other information

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13.1. WARNING

The information herein is given in good faith and based on technical data that we believe to be reliable. Since the conditions of use is outside our control, we assume no liability in connection with any use of this information and no warranty, expressed or implied is given