

# SAFETY DATA SHEET

## Ceramic backing

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>Product name</b>	Ceramic backing
<b>Supplier</b>	Norsk Sveiseteknikk AS Postboks 171 NO-3371 Vikersund Tel: +47 32 78 85 99 Fax: +47 32 78 75 76
<b>Contact person</b>	Eyvind Roed

### 2. HAZARDS IDENTIFICATION

Not regarded as a health, fire, explosion or environmental hazard under current legislation.

When heated, irritating gases are emitted and may cause cough, dizziness, breathing difficulty, headache and respiratory irritation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content	Symbol	R-phrases
Aluminium oxide	215-691-6	1344-28-1	38-44 %	-	
Silicon dioxide	238-878-4	14808-60-7	40-50 %	-	
Magnesium oxide	215-171-9	1309-48-4	8-11 %	-	
Aluminium tape, press sensitive adhesive				-	

See section 16 for explanations to R-phrases

<b>Composition comments</b>	By classification of the solid product is only the properties of physical contact and environment included. In the smoke emitted by use, there will be an additional risk by inhalation.
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### 4. FIRST AID MEASURES

<b>General</b>	Provide rest, warmth and fresh air. Contact physician if irritation persists.
<b>Inhalation</b>	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. Alternatively artificial respiration.
<b>Ingestion</b>	Ingestion is not likely due to the shape of the product.
<b>Skin</b>	At burns, cool skin with ice or cold water. In case of skin cut, use alcohol to clean the wound and attach woundplast.
<b>Eyes</b>	Rinse with water. Contact physician if discomfort continues. Make sure to remove any contact lenses from the eyes before rinsing.

### 5. FIRE-FIGHTING MEASURES

<b>Extinguishing media</b>	Use extinguishing media appropriate for surrounding fire.
<b>Special fire fighting procedures</b>	Avoid breathing fire vapours.
<b>Specific hazards</b>	Non-flammable.
<b>Hazardous combustion products</b>	Fire or high temperatures create: Oxides of Silicon, Aluminium, Manganese.
<b>Protective measures in fire</b>	Firefighters exposed to combustion gases/decomposition products should use a respiratory protective device.

## 6. ACCIDENTAL RELEASE MEASURES

Personal protection	No specific actions required.
Environmental protection	No specific actions required.
Spill cleanup methods	Collect spilled material using mechanical equipment.

## 7. HANDLING AND STORAGE

Usage precautions	Edge of aluminium tape may cut the surface of skin.
Storage precautions	Store at moderate temperatures in dry, well-ventilated area. Pile no more than 9 layers. Keep away from heat, sparks and open flame.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name	CAS no.	Reference	LT Exp 8 Hrs	ST Exp 15 Min	Date
Aluminium oxide	1344-28-1	WEL.	10 mg/m <sup>3</sup>		
Protective equipment					



Ventilation	Well ventilated area. Working operations which cause formation of high volumes of vapour should take place in ventilation hood or with local exhaust ventilation.
Respirators	At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used.
Protective gloves	Wear insulated protection gloves designed for welding.
Eye protection	Use professional weld mask and protection glasses when welding.
Other Protection	No specific protective equipment noted, but may be required anyway.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Tape. Plates.	
Colour	Beige.	
Odour	Odourless or no characteristic odour.	
Solubility description	Insoluble in water.	
Melting/freezing point (°C, interval)	1430	
Density (g/cm <sup>3</sup> )	1,9	Temperature (°C)
Decomposition temp. (°C)	>350 (tape)	

## 10. STABILITY AND REACTIVITY

Stability	Normally stable.
Hazardous polymerisation	Will not polymerise.
Materials to avoid	No incompatible groups noted.
Hazardous decomp. products	Fire or high temperatures create: Oxides of: Manganese. Magnesium. Silicon.

## 11. TOXICOLOGICAL INFORMATION

Carcinogenicity	Long term and repeated inhalation of gases from welding may pose and increased risk of acquiring cancer related lung diseases.
Toxicological information	The product will emit gases when welding or exposed to high temperature, and the

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	smoke may irritate respiratory organs.
<b>Inhalation</b>	Overexposure to welding fumes may affect pulmonary function. Overexposure to manganese may affect the nervous system.
<b>Ingestion</b>	Not likely, due to the form of the product.
<b>Skin</b>	No specific health warnings noted.
<b>Eyes</b>	May irritate the eyes, mainly by mechanical character.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecological information</b>	No negative effects on the aquatic environment are known.
<b>Mobility</b>	Insoluble in water.
<b>Bio accumulation</b>	No bioaccumulation expected.
<b>Degradability</b>	The chemical is not readily biodegradable.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal methods</b>	No specific disposal method required.
<b>Waste class</b>	12 01 13.

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## 14. TRANSPORT INFORMATION

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<b>General</b>	The product is not covered by international regulation on the transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO.)
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## 15. REGULATORY INFORMATION

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<b>Contains</b>	Aluminium oxide Silicon dioxide Magnesium oxide Aluminium tape, press sensitive adhesive
<b>EU directives</b>	67/548/EEC, 1999/45/EC, 2001/58/EC, 2004/73/EC (29 ATP), 2006/8/EC, 1907/2006/EC (REACH).

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## 16. OTHER INFORMATION

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### Explanations to R-phrases in section 3

\* Information revised since the previous version of the SDS

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