

# Material Safety Data Sheet

according to 91/155/EWG

May 2011

MSA 1100				
1 Description				
Trade Name	MSA 1100			
Merchandise	Temporary adhesive spray – pulverized by aerosol			
Supplier	Madeira Garnfabrik Rudolf Schmidt KG Zinkmattenstrasse 38 D-79108 Freiburg Germany			
Emergency telephone number	+49 (0)761 510400			
Applications	The product may be used only to temporary fusing of various materials.			
2 Composition/Data on Components				
Name	CAS	%	SYMB.	R / S
BSA	68512-91-4 (Butane : 106-97-8 Propane : 74-98-6 Isobutane : 75-28-5)	> 20%	F+	<b>R12-S2,9,16</b>
Dimethylether	115-10-6	> 20%	F+	<b>R12-S2-9-16-33</b>
3 Definitions of possible risks				
Principal risks:		<b>F+</b>	<b>Extremely flammable</b>	
		R12	Extremely flammable	
4 First aid measures				

NEVER induce swallowing in an unconscious person.

**In the event of exposure by inhalation:**

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

**In the event of splashes or contact with eyes:**

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

**In the event of splashes or contact with skin:**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. DO NOT use solvents or thinners.

**In the event of swallowing:**

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

5 Fire fighting measures
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Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

**Suitable extinguishing media:**

Special foams for polar liquids (known as alcohol resistant), powders, carbon dioxide.

In the event of fire, use specifically suitable extinguishing agents. Never use water.

**Extinguishing media which must not be used for safety reasons:**

Do not use compressed air during filling, emptying or handling.

**Special protective equipment for fire-fighters:**

Fire-fighting personnel are to be equipped with autonomous insulating breathing

# Material Safety Data Sheet

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May 2011

## MSA 1100

### 6 Measures in case of accidental spilling during an accident

**Personal precautions :**

Avoid inhaling the vapors.

Consult the safety measures listed under headings 7 and 8.

**Environmental precautions:**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures.

**Methods for cleaning up :**

Clean preferably with a detergent, do not use solvents.

### 7 Handling and storage

The regulations relating to storage premises apply to workshops where the product is handled.

**Handling :**

Handle in well-ventilated areas.

The vapors are denser than air. They can spread along the ground and form explosive mixtures with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits. Do not spray on a naked flame or any incandescent material.

**Fire prevention:**

Use the product in premises where there are no naked or other sources of ignition and have protected electrical equipment. Keep packages tightly closed and away from sources of heat, sparks and naked flames. Do not use tools which may produce sparks. Do not smoke. Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations.

Packages which have been opened must be reclosed carefully and stored in a upright position. Avoid inhaling vapors.

**Prohibited equipment and procedures:**

Smoking, eating and drinking are prohibited in premises where the preparation is used. Never open the packages under pressure. Do not pierce or burn, even after use.

**Storage:**

Keep the container tightly closed in a dry, well-ventilated place. Keep away from all sources of ignition.

Do not smoke

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Keep out of reach of children. The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

### 8 Exposure controls and personal protection

Use personal protection equipment as per Directive 89/686/EEC.

**Technical measures:**

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus.

**Exposure limit values : (France)**

Component	VME (ppm)	VME (mg/m <sup>3</sup> )	VLE (ppm)	VLE (mg/m <sup>3</sup> )	TMP N°
115-10-6	1000	1920	-	-	-
106-97-8	800	1900	/	/	/

# Material Safety Data Sheet

according to 91/155/EWG

May 2011

## MSA 1100

### Respiratory protection:

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

Anti-gas filters:

### Hand protection:

Protective creams may be used for exposed skin, but they should not be applied after contact with the product. In the event of prolonged or repeated contact with the hands, use appropriate gloves.

Type of gloves recommended:

- Butyl rubber
- Neoprene

### Eye and face protection:

Use eye protectors designed to protect against liquid splashes.

## 9 Physical and chemical properties

### General information :

Physical state : fluid liquid

### Important health, safety and environmental information :

pH of the substance or preparation: not relevant

Flash point: < -50°C

Density (20°C) : 0.950

Water solubility: insoluble

## 10 Stability and reactivity

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide.

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

## 11 Toxicological information

No data is available regarding the preparation itself.

## 12 Ecological information

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

## 13 Disposal considerations

Do not pour into drains or waterways.

### Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into environment.

### Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

# Material Safety Data Sheet

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May 2011

## MSA 1100

### 14 Transport information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2005-IMDG 2004- ICAO/IATA 2005).

UN1950=AEROSOLS

ADR/RID	Class	Code	Pack.gr	Label	LQ	Provis.
	2	5F	-	2.1	LQ2	190-625
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.
	2	SP63	-	SP277	F-D,S-U	63 190 277
IATA	Class	2°Label	Pack gr.	Passenger	Passenger	Cargo
	2.1	-	-	203	75 Kg	203 / 150 Kg
	2.1	-	-	Y203	30 Kg G	-

### 15 Statutory information

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations.

In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

#### \* Preparation classification :



F+ Extremely flammable

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#### \* Particular hazards associated with the preparation and safety recommendations :

R12 Extremely flammable

S9 Keep container in a well-ventilated place.

S23 Do not breathe the spray.

S33 Avoid accumulation of electrostatic charge.

S51 Use only in well ventilated areas.

**Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition. No smoking. Keep out of the reach of children.**

If swallowed, seek medical advice immediately and show this container or label.

Not to use for another use than for which the product is intended.

### 16 Other information

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.