

Material Safety Data Sheet according to 91/155/EEC

Prepared: 20. June 2000
Reviewed: 30. September 2003
Printing date: 13. Februar 2004

1. Commercial product name and supplier

Commercial product name	MDC TJ Antischaum Spezial
MDC article No.:	23305
Details of the manufacturer and supplier:	MDC Max Daetwyler AG, CH-3368 Bleienbach
Information Department:	Galvanik, +41 62 919 37 37
Telephone number in case of emergency:	Toxicological Information Centre Zurich Telephone +41 1 251 51 51

2. Composition

Chemical characterisation: Aqueous defoamer containing glycols and polymers.

Hazardous components: Hazardous substances according to the EC Directives 2001/58/EEC and 67/548/EEC:

10 - 24,9 %	Diethylene glycol
CAS-No.	111-46-6 / EINECS-No. 203-872-2
Xn: Harmful. R22: Harmful if swallowed.	
10 – 29,9 %	Triglycol monobutyl ether
CAS-No.	143-22-6 / EINECS-No. 205-592-6
Xi: Irritant. R36: Irritating to eyes.	

Further information:

3. Hazards identification

Irritating to eyes. Harmful if swallowed.



4. First aid measures

In case of general malaise, seek medical advice (show this safety-data sheet).

Eye contact: Rinse thoroughly with water. If the irritation persists, consult a doctor.

Skin contact: Wash off with water and mild soap.

Ingestion: Give water to drink, consult a doctor.

Inhalation: Give the patient fresh air and in case of symptoms consult a doctor.

Further information: Remove clothing that is contaminated with the product.

5. Fire-fighting measures

Suitable extinguishing media: Carbon dioxide, extinguishing powder, foam, water mist.

Extinguishing media to avoid: Direct jet of water.

Further information: None

6. Accidental release measures

Take up with liquid-binding material (sawdust, kieselguhr, universal binding agents).

Do not allow to get into drainage systems, rivers, lakes or the soil.

Do not smoke; avoid sparks and naked flames.

7. Handling and storage

Handling: The usual precautions for the handling of chemicals are to be observed. Ensure good ventilation. Take measures against electrostatic charging.

Industrial hygiene: Observe the usual measures of working hygiene. Wash the hands after using the product.

Storage: Store in closed, original containers.

Place of storage:

Fire- and explosion: Keep away from sources of ignition.



8. Exposure controls / personal protection

Technical equipment: Handle only in presence of adequate ventilation.

Control of treshold limits: MAK value (Diethylene glycol): 10 ppm.

Personal protective equipment

Respiratory protection: Required in case of inadequately ventilated workplaces..

Hand protection: Suitable protective gloves.

Eye protection: Wear protective goggles.

Other: Working clothes.

9. Physical and chemical properties

Appearance	Liquid
Color	light yellow
Odour	characteristic

Change in physical state

Test method:

Boiling temperature	n.b.
Density	1,07 g/cm ³ (20° C)
Vapour pressure	n.b. (20° C)
Viscosity	36 mm ² /s (40 °C)
Solubility in water	miscible
pH-value	n.a,
Flash point	138° C
Ignition temperature	n.b. ° C
Explosion limits	Lower: vol. % Upper: vol. %
Further information	None



10. Stability and reactivity

Thermal decomposition: None when used according to the instructions.

Hazardous decomposition products: None when used according to the instructions..

Hazardous reactions: Avoid contact with strong oxidants.

Further information: None

11. Toxicological information

Acute toxicity: LD₅₀ (oral, rat): 2000 - 5000 mg/kg (calculated)

Further information: According to our experience and the available information, if handled correctly and in accordance with the instructions the product is not injurious to health.

12. Ecological information

The product must not be allowed to get into waste water, ground water, surface water or the soil.

Water-endangering Class: WEC: 1 - Slightly water-endangering

13. Diposal considerations

Switzerland: in accordance with the OMSW of 12.11.1986.

In accordance with the local authority regulations.

Germany: in accordance with the Law on Waste Disposal (AbfG).

European waste code: 16 01 14

Swiss waste code: 1222



14. Transport information

GGVE/GGVS	Class	Cipher	
RID/ADR	Class	Cipher	
UN-No.			
Kemler No.			
Overland statement			
GGVSee	Class	Cipher	
ADNR	Class	Cipher	Cat.
UN-No.			
IMDG-code page			
EMS			
MFAG			
Packing group			
See transport statement			
ICAO/IATA-DGR			
UN-No.			
Proper Shipping Name			
Subsidiary risk			
Labels			
Packing group			
Passenger aircraft	Packing Instruction	max.	
Cargo aircraft only	Packing Instruction	max.	

Further information: Not a hazardous material according to the above mentioned transport.

15. Regulatory information

The product must be marked/identified according to the EC guidelines.

Switzerland: FOPH T No.: 611484

Swiss toxicity class: 4

EC-No.

Hazard symbols:



Hazard designation: Xi: Irritant. Contains Diethylene glycol, Triglycol monobutyl ether.

Risk phrases

R: 36-22

36 Irritating to eyes.

22 Harmful if swallowed.

Safety phrases

S: 26-2-36/37/39

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2 Keep out of the reach of children..

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

MAK value: see point 8.2

BVD classification: F4 | Fu PN3

VbF:

Further information: None

16. Other information

The product does not contain: nitrite, nitrite separators, formaldehyde, formaldehyde separators, secondary amines, diethanolamine, NDELA and/or nitrosamines, PCP (pentachlorophenol), PCB, PCT, TCDD or other dioxine-containing substances.

Abbreviations: n.a.=not applicable; n.b.=not determined

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.
