

Material Safety Data Sheet according to 91/155/EWG

Prepared: 23 April 1999
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1. Substance, Preparation and Company Data

Name of the preparation: **MDC-TJ 21 Cleaner**
MDC article no.: 131863
Details of the manufacturer and supplier: MDC Max Daetwyler AG, CH-3368 Bleienbach
Informing department: Galvanik, +41 62 919 37 37
Telephone number in case of emergency: Swiss Toxicological Information Centre Zurich
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2. Composition / Information on Ingredients

Hazardous components

2,2',2''-(HEXAHYDRO-1,3,5-
TRIAZIN-1,3,5-TRIYL)TRIETHANOL EC-No.: 225-208-0 CAS-No.: 4719-04-4
Percentage: 25 – 30 %
Classification: R 43 Xn ; R 22

TRINATRIUMNITRILOTRIACETAT EG-Nr.: 225-768-6 CAS-Nr.: 5064-31-3
Percentage: 1 - 5 %
Classification: Xn ; R 22 Xi ; R 36

3. Hazards Identification

Hazard designation

May cause sensitization by skin contact. Harmful if swallowed
Classification : R 43 · Xn ; R 22

4. First Aid Measures

After inhalation

Let in fresh air. Call a doctor, should the air passages be affected.

After skin contact

Flush with plenty of water.

After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Drink plenty of water. Do not induce vomiting - call a physician.

5. Fire-fighting Measures

Suitable extinguishing media

Water.

Unsuitable extinguishing media

None known.

Additional information

None.

6. Accidental Release Measures

Personal precautions

Take the precautions customary when handling chemicals.

Environmental precautions

Do not empty into drains.

7. Handling and Storage

Information for safe handling

Avoid contact with skin and eyes.

Information about protection against explosions and fires

No anti-explosion measures necessary.

Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

8. Exposure Controls and Personal Protection

Personal protective equipment

General protective and hygiene measures

Keep away from food, drink and animal feeding stuff.

Respiratory protection

Do not inhale the vapour.

Hand protection

Protective gloves (natural rubber).

Eye protection

Use tightly fitting safety glasses.

Body protection

Light protective clothing.

9. Physical and Chemical Properties

Image**Form**

Liquid.

Colour

Clear. Light yellowish. Rose/pink.

Odour

Like amine.

Relevant safety data

Boiling point / range:	(1013 hPa)	100 °C	
Flash point:		Not applicable	°C
Vapour pressure:	(50 °C)	No data available	hPa
Density:	(20 °C)	1.1	g/cm ³
Solvent-separation test:	(20 °C)	No data available	%
Solubility in water:	(20 °C)	100	g/l
pH value:	(20 °C / 10 g/l)	ca. 10.5	
Flow time:	(20 °C)	No data available	S DIN-cup 4 mm
Viscosity:	(20 °C)	No data available	mPa.s

10. Stability and Reactivity

Conditions to avoid

Thermal decomposition above 230 °C.

Materials to avoid

Reactions with acids: development of heat.

11. Toxicological Information

Toxicological tests**LD50/LC50 values that are relevant for classification**

Specification:	LD-50
Routes of entry:	oral
Test species:	Rat
Value / dosage:	> 1300 mg/kg

12. Ecological Information

Details on elimination (persistence / degradability)**Biological degradation / elimination**

Specification:	Biodegradability according to OECD
Value / dosage:	> 70 %

13. Disposal Considerations

In accordance with local official regulations.

14. Transport Information



Land transport ADR/RID

Classification

Class : -

Remarks

Maritime transport IMDG/GGVSea

Classification

IMDG-Code : -

Air transport ICAO-TI and IATA-DGR

Classification

Class : -

15. Regulatory Information

Classification according to EEC directives

Danger symbol and danger designation



Xn; Harmful

Hazard-determining components of labelling

2,2',2''-(HEXAHYDRO-1,3,5-TRIAZIN-1,3,5-TRIYL)TRIETHANOL; CAS-No. : 4719-04-4

R-phrases

43 May cause sensitization by skin contact.
22 Harmful if swallowed.

S-phrases

51 Use only in well-ventilated areas.
37 Wear suitable gloves.
24 Avoid contact with skin.
35 This material and its container must be disposed of in a safe way.

National regulatory information

Poisonous law (CH)

Class: 4
FOPH T no.: 611484

16. Further Information

The user is responsible for the observance of all required statutory provisions.

Further information

R-Phrases of components

22 Harmful if swallowed.
36 Irritating to eyes.
43 May cause sensitization by skin contact



Daetwyler

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