

**Naftocit MI 12 C**

Version: 3 . 14.07.2004

Print Date 15.07.2004

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

English

**Product information**

Commercial Product Name Naftocit MI 12 C

**Recommended use:**

Accelerator.

Company: Chemetall GmbH  
Trakehner Strasse 3  
60487 Frankfurt a.M.Lead Organisation: Division Accelerators  
Telephone: +49(0)69 7165-0  
Telefax: +49(0)69 7165-3018  
Emergency telephone number: +49(0)5326 51-0  
Contact person:**2. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical characterization:**

powder

Hazardous components	CAS-No. EINECS-No. ELINCS-No.	Symbol(s)	R- phrase(s)	Concentration
ethylenethiourea-; 2- mercapto-2-imidazoline	96-45-7 202-506-9	T	R61, R22	>98.00 %

| contain 1-2 % paraffinoil CAS 64742-65-0

**3. HAZARDS IDENTIFICATION****Risk advice to man and the environment****Indication of danger:** T Toxic

R61 May cause harm to the unborn child.

R22 Harmful if swallowed.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**4. FIRST AID MEASURES****General advice:**

Take off contaminated clothing and shoes immediately.

**Eye contact:**

Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

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**Skin contact:**

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

**Inhalation:**

Move to fresh air. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Ingestion:**

Rinse mouth. Do not induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

**5. FIRE-FIGHTING MEASURES**

**Specific hazards during fire fighting:**

May form toxic gases on heating or in case of fire. nitrogen oxides (NOx) Sulphur oxides

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

In the event of fire, wear self-contained breathing apparatus.

**Suitable extinguishing media:**

carbon dioxide (CO2), dry powder, alcohol-resistant foam, water spray

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

high volume water jet

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Wear personal protective equipment. Evacuate personnel to safe areas.

**Environmental precautions:**

Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up:**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel.

**7. HANDLING AND STORAGE**

**Handling**

**Safe handling advice:**

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation.

**Advice on protection against fire and explosion:**

Take precautionary measures against static discharges. Take precautions against dust explosion. Keep away from sources of ignition - No smoking.

**Storage**

**Requirements for storage areas and containers:**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal protective equipment**

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. Dust mask recommended. Half mask with a particle filter P2 (EN 143).

**Hand protection:**

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protective gloves, rubber gloves

**Eye protection:**

tightly fitting safety goggles

**Skin and body protection:**

lightweight protective clothing

**Hygiene measures:**

Take off contaminated clothing and shoes immediately. Keep away from food, drink and animal feedingstuffs. Pregnant women must definitely avoid inhalation and skin contact. Avoid contact with skin and eyes. Do not breathe dust.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form: powder  
Colour: white  
Odour: characteristic

**Change in physical state**

Melting point/range: > 195.0 °C  
Flash point: > 195.0 °C  
Density: 1.4 g/cm<sup>3</sup>  
at 20.0 °C  
Water solubility: 9.0 g/l  
at 30 °C  
Partition coefficient (n-  
octanol/water): log Pow: -0.66

**10. STABILITY AND REACTIVITY****Materials to avoid**

strong acids and oxidizing agents

**Hazardous decomposition products**nitrogen oxides (NO<sub>x</sub>), Sulphur oxides**Note:**

No decomposition if stored and applied as directed., To avoid thermal decomposition, do not overheat.

**11. TOXICOLOGICAL INFORMATION****Acute oral toxicity:**

LD50 rat  
Dose: 710 mg/kg

**Acute oral toxicity:**

LD50 mouse  
Dose: 3 mg/kg

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**Skin irritation:**

rabbit

Result: Mild skin irritation

irritating to skin and mucous membranes

**Eye irritation:**

rabbit

Result: Mild eye irritation

Irritant effects are possible.

**Human experience:**

Harmful if swallowed.

**Further information:**

Toxic to Reproduction Category 2

**12. ECOLOGICAL INFORMATION**

**Elimination information (persistence and degradability)**

**Biodegradability:**

0 %

Testing period: 14 d

**Toxicity to fish:**

LC50

Dose: 7,500 mg/l

Testing period: 96 h

Poecilia reticulata

**Toxicity to daphnia:**

EC50 Daphnia

Dose: 26.4 mg/l

Testing period: 48 h

**Toxicity to algae:**

EC50

Dose: 6,600 mg/l

Exposure time: 96 h

Chlorella pyrenoidosa

**Further information:**

highly water endangering

**Further information:**

Do not flush into surface water or sanitary sewer system.

**Further information:**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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**13. DISPOSAL CONSIDERATIONS****Waste key for the unused product:**

070108 other still bottoms and reaction residues

**Product:**

Dispose of in accordance with local regulations.

**Contaminated packaging:**

Dispose of as unused product.

**14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

**15. REGULATORY INFORMATION****Hazardous components which must be listed on the label:**

- ethylenethiourea-; 2-mercapto-2-imidazoline

Labelling:	T	Toxic
R-phrase(s):	R61 R22 R52/53	May cause harm to the unborn child. Harmful if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s):	S53 S45 S61	Avoid exposure - obtain special instructions before use. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Avoid release to the environment. Refer to special instructions/safety data sheets.

**National legislation****Water contaminating class (Germany):**

WGK 3 : highly water endangering

VwVwS 17.05.99

**16. OTHER INFORMATION****Text of R phrases mentioned in Section 2+3****R61** May cause harm to the unborn child.**R22** Harmful if swallowed.

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The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.