

Naftocit DPG

Version: 1 . 13.12.2002

Print Date 25.03.2003

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

English

Product information

Trade name	Naftocit DPG
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

CAS-No.:	102-06-7 1,3-Diphenylguanidine
EINECS-No.:	203-002-1
ELINCS-No.:	

3. HAZARDS IDENTIFICATION**Risk advice to man and the environment**

Indication of danger:	Xn	Harmful
	N	Dangerous for the environment

R22 Harmful if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R62 Possible risk of impaired fertility.

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.

Skin contact:

Wash off with soap and plenty of water.

Inhalation:

Move to fresh air. If symptoms persist, call a physician.

Ingestion:

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

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5. FIRE-FIGHTING MEASURES

Specific hazards during fire fighting:

May form toxic gases on heating or in case of fire.

Special protective equipment for fire-fighters:

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

Suitable extinguishing media:

Water spray, foam, Extinguishing powder

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Ensure adequate ventilation.

Environmental precautions:

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up:

Use mechanical handling equipment. Adequate disposal

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 precautions against dust explosion. Take precautionary measures against static discharges.

Storage

Requirements for storage areas and containers:

Keep containers tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection:

Respirator must be worn if exposed to dust. Dust mask recommended. Half mask with a particle filter P2 (BS EN 143).

Hand protection:

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 feeding stuffs. Avoid contact with skin and eyes. Do not breathe dust.

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9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form: powder
Colour: white
Colour: light grey
Odour: very faint

Change in physical state

Melting point/range: ca. 142.0 °C
Flash point: ca. 170.0 °C
Ignition temperature: > 500.0 °C
Vapour pressure: < 0.0001 hPa
at 25.0 °C
Density: ca. 1.19 g/cm³
at 20.0 °C
Bulk density: 280.0 - 320.0 kg/m³
Solubility/qualitative: completely soluble
Aceton, Ethanol
Water solubility: ca. 0.2 g/l
at 30 °C
Partition coefficient (n-
octanol/water): log Pow: 1.69

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

strong acids and oxidizing agents

Hazardous decomposition products**Type of listing:**

Hazardous decomposition products
Aniline

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: 320 - 350 mg/kg

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Acute dermal toxicity:

LD50 rabbit

Dose: > 2,000.0 mg/kg

Skin irritation:

Irritating to respiratory system and skin.

Eye irritation:

Irritant effects are possible.

Sensitization:

May cause sensitization of susceptible persons.

Human experience :

Harmful if swallowed. Further information:

Toxic to Reproduction Category 3

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability:

> 70 %

Testing period: 20 d

Bioaccumulation:

Bioconcentration factor (BCF): 2 - 20

Cyprinus caprio

Toxicity to fish:

LC50

Dose: 4.2 - 11 mg/l

Testing period: 96 h

Pimephales promelas

Toxicity to daphnia:

EC0 Daphnia

Dose: 17 mg/l

Testing period: 48 h

Toxicity to daphnia:

EC50

Dose: 147 mg/l

Testing period: 48 h

Activated sludge

Toxicity to algae :

EC50 selenastrum capricornutum

Dose: 1.7 - 7.5 mg/l

Exposure time : 72 h

IC50

Further information:

water endangering

Further information:

Do not flush into surface water or sanitary sewer system.

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Further information:

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

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

Regulation : ADR

UN/ID No.: 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 1,3-

Diphenylguanidine

Packaging group: III

Class: 9

Regulation : RID

UN/ID No.: 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 1,3-

Diphenylguanidine

Packaging group: III

Class: 9

Regulation : IMDG

UN/ID No.: 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 1,3-

Diphenylguanidine

Packaging group: III

Class: 9

EmS: NONE

Marine pollutant

Regulation : IATA_C

UN/ID No.: 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 1,3-

Diphenylguanidine

Packaging group: III

Class: 9

Regulation : IATA_P

UN/ID No.: 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 1,3-

Diphenylguanidine

Packaging group: III

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15. REGULATORY INFORMATION

Labelling:	Xn	Harmful
	N	Dangerous for the environment
R-phrases(s):	R22	Harmful if swallowed.
	R36/37/38	Irritating to eyes, respiratory system and skin.
	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R62	Possible risk of impaired fertility.
S-phrases(s):	S 2	Keep out of reach of children.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S61	Avoid release to the environment. Refer to special instructions/Safety data sheets.

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

WGK 2 : water endangering

VwVwS 17.05.99 ; Nr. 1337

16. OTHER INFORMATION**R22** Harmful if swallowed.**R36/37/38** Irritating to eyes, respiratory system and skin.**R51/53** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**R62** Possible risk of impaired fertility.

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.