

**SAFETY DATA SHEET** according to EC Directive 2001/58/EC**G-72 D EXTRUSIONS 4,5MM****NGC**Update  
18.12.2003Print Date  
21.06.2004Version  
2**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Product information**

Commercial Product Name : G-72 D EXTRUSIONS 4,5MM NGC

Company : Süd-Chemie AG  
Business Unit Catalytic Technologies  
Lenbachplatz 6  
80333 München

Telephone : +498951100  
Telefax : +49895110480

Contact Point : DC/CS +49 89/5110-257

Emergency telephone number : +49 (0)613284463 only for working place emergency  
(contact only in german or english)

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical nature** : Mixture of zinc oxide and aluminium oxide

**Usage** : Accelerator for chemical reactions

Components	EINECS	Symbol(s)	R-pharse(s)	Concentration
ZINC OXIDE	215-222-5	N	R50/53	> 25,00 %
ALUMINIUM OXIDE	215-691-6			< 10,00 %
SODIUM OXIDE	215-208-9			< 1,00 %

**3. HAZARDS IDENTIFICATION**

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**4. FIRST AID MEASURES**

General advice : none

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin contact : Wash off with soap and plenty of water.

Inhalation : If large amounts have been inhaled, seek medical advice.

Ingestion : Drink plenty of water. Let person, if fully conscious, vomit without introducing vomiting. Rinse mouth. Call a physician immediately.

**Notes to physician**

Treatment : none

**SAFETY DATA SHEET** according to EC Directive 2001/58/EC**G-72 D EXTRUSIONS 4,5MM****NGC**Update  
18.12.2003Print Date  
21.06.2004Version  
2**5. FIRE-FIGHTING MEASURES**

- Specific hazards during fire fighting : none
- Special protective equipment for fire-fighters : none
- Suitable extinguishing media : The product itself does not burn.  
Use extinguishing measures appropriate to the environment.
- Extinguishing media which must not be used for safety reasons : Do not use a solid water stream as it may scatter and spread fire.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : none
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up : Take up uncontaminated material and pass on for further processing.  
Take up contaminated material by mechanical means, load into clean containers, and dispose of in accordance with legal regulations.
- Additional advice : Avoid dust formation.

**7. HANDLING AND STORAGE****Handling**

- Safe handling advice : Avoid formation of dust and aerosols. Handle with care to avoid abrasion or breakage.
- Advice on protection against fire and explosion : No special precautions required.

**Storage**

- Requirements for storage areas and containers : Keep container tightly closed and dry.
- Advice on common storage : no restrictions

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Additional technical information on the plant : none

**Components with workplace control parameters**

Components	CAS-No.	Value	Basis / Remarks
ZINC OXIDE	1314-13-2	<b>5 mg/m<sup>3</sup></b>	TRGS900 MAK inhalable dust
ALUMINIUM OXIDE	1344-28-1	<b>6 mg/m<sup>3</sup></b>	TRGS900 inhalable dust Oct, 1998
limiting value of inert dust (breathable content)		<b>10 mg/m<sup>3</sup></b>	TRGS900 September 2001
limiting value of inert dust (alveolar content)		<b>3 mg/m<sup>3</sup></b>	TRGS900 September 2001

**Personal protective equipment**

- Respiratory protection : respirator with P2 filter

**SAFETY DATA SHEET** according to EC Directive 2001/58/EC**G-72 D EXTRUSIONS 4,5MM****NGC**Update  
18.12.2003Print Date  
21.06.2004Version  
2

Hand protection : Chemical-resistant protective gloves according to EN 374, EN 388, EN 420  
Eye protection : safety glasses  
Skin and body protection : none  
Hygiene measures : Wash off with warm water and soap.

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

Form : extrusions  
Colour : grey  
Odour : none

**Other data**

melting point : > 1.000 °C  
boiling point : n.a.  
Flash point : n.a.  
Ignition temperature : n.a.  
Autoignition temperature : none  
Upper explosion limit : n.a.  
Lower explosion limit : n.a.  
Vapour pressure : n.a.  
Density : 4,11 g/cm<sup>3</sup>  
Bulk density : 1.050 kg/m<sup>3</sup>  
Water solubility : insoluble  
pH : n.av.  
Oxidizing properties : none  
Explosive properties : Remarks: none

**10. STABILITY AND REACTIVITY**

Hazardous reactions : None known.  
(Conditions to avoid)

Hazardous reactions : None known.  
(Materials to avoid)

**SAFETY DATA SHEET** according to EC Directive 2001/58/EC**G-72 D EXTRUSIONS 4,5MM****NGC**Update  
18.12.2003Print Date  
21.06.2004Version  
2

Information about decomposition : No decomposition if stored and applied as directed.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Acute oral toxicity : LD50 rat  
Dose: 10.000 mg/kg  
( ALUMINIUM OXIDE )

**irritation, Sensitization, Other data Toxicology**

Eye irritation : no data available

Sensitization : no data available

Repeated dose toxicity : no data available

Human experience : Under normal conditions of industrial hygiene no negative effects are known so far. Due to dust raising, light irritation of eyes and/or mucous membranes is possible.

**12. ECOLOGICAL INFORMATION**

Decomposition : The solid matter content can be separated mechanically in a sewage plant. Catalyst is a nearly insoluble, inorganic product.

Distribution to environmental compartments : no data available

**Ecotoxicity effects**

Ecotoxicity : no data available

Water contaminating class : (Selbsteinstufung nach VwVwS-Konzept)  
WGK 2 water endangering

**13. DISPOSAL CONSIDERATIONS**

Product : Used catalysts may have different hazards or properties than the original product. This SDS does not apply to used catalysts. Refer to manufacturer/supplier for information on recovery/recycling. Can be disposed of as solid waste or burned in a suitable installation subject to the Environmental Protection (Duty of Care) Regulations 1991.

disposal key number (EAK) : 16 08 - Spent catalysts



# SAFETY DATA SHEET according to EC Directive 2001/58/EC

## G-72 D EXTRUSIONS 4,5MM

## NGC

Update  
18.12.2003

Print Date  
21.06.2004

Version  
2

Contaminated packaging : Dispose of as unused product.

### 14. TRANSPORT INFORMATION

**Land transport** : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)  
Regulation : ADR  
Class : 9  
Classification Code: M7  
Packaging group : III  
Warning sign : 90

UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)  
Regulation : RID  
Class : 9  
Classification Code: M7  
Packaging group : III  
Warning sign : 90

**Sea transport** :

**Air transport** : 3077 Environmentally hazardous substance, solid, n.o.s. (zinc oxide)  
Regulation : IATA\_C  
Class : 9  
PG : III  
CAC : 911  
transport without restriction : Ja

3077 Environmentally hazardous substance, solid, n.o.s. (zinc oxide)  
Regulation : IATA\_P  
Class : 9  
PG : III  
PAC : 911  
transport without restriction : Ja

Transport/additional information : IMDG-Code: Not classified as dangerous in the meaning of transport regulations. (not Marine Pollutant)

### 15. REGULATORY INFORMATION

General advice : The product is classified and labelled in accordance with the CHIPS Regulations 1994.

Hazardous components which must be listed on the label:

- ZINC OXIDE

Symbol(s): : N Dangerous for the environment

R-phrases) : R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

**SAFETY DATA SHEET** according to EC Directive 2001/58/EC**G-72 D EXTRUSIONS 4,5MM****NGC**Update  
18.12.2003Print Date  
21.06.2004Version  
2

environment.

S-phrase(s) : S60  
S61This material and/or its container must be disposed of as hazardous waste.  
Avoid release to the environment. Refer to special instructions/Safety data sheets.

Other information : Handle in accordance with good industrial hygiene and safety practice.

**Notification status:** preparation

Components / CAS-No.	Registered in / No.	Status
all components	AICS	listed
	DSL	listed
	INV (CN)	listed
	ENCS (JP)	listed
	TSCA	listed
	EINECS	listed
	KECI (KR)	listed
	PICCS (PH)	listed

**16. OTHER INFORMATION****Relevant R-Phrases acc. Chapter 2 and 3** : R50/53 - Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment.Responsible for SDS: Environmental Protection Contact person: Dep.  
CEQ Tel.: 08761/82-654

The information presented herein is believed to be accurate, but is not warranted.

It does not represent any assurance of properties of the product.

The specifications are to be drawn from the corresponding leaflet.

A vertical bar (|) in the left margin indicates an amendment from the previous version.

**Legend**

n.a.: not applicable

n.av.: not available

n.r.: not relevant