

Material Safety Data Sheet

according to 2001/58/EC

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GIERSE Handelsges. mbH

Date/reviewed on: 30.01.06

Product: **GIRAL Splicer Glue NH 18/3 powder**

01. Trade name: **GIRAL Splicer Glue NH 18/3 powder**

Supplier: GIERSE Handelsges. mbH
Gildestraße 25
D-33442 Herzebrock-Clarholz
Tel. +49 / 5245 / 8417-0

02. Composition/Data on components:

Powdery, modified poly-condensation product based on urea and formaldehyde.

The powder resin contains:

CAS-N°	Description	Concentration	Classification	Risk phrases
50-00-0	Formaldehyde	< 1,0 %	Xi	R 43

Identification Numbers:

EEC-N°.: 200-001-8 Formaldehyde

INDEX-N°.: 605-001-5 Formaldehyde

03. Hazards identification:

- Do not inhale dust.
- May cause sensibilisation by skin contact.

According to test results, the substance should not be considered hazardous. The risks deriving from formaldehyde should however be taken into account.

The formaldehyde is a powerful irritating agent for eyes, skin and respiratory tract. Continuous exposures to formaldehyde could engender chronical respiratory disease.

04. First aid measures:

- | | |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| After eye contact: | - Rinse opened eye for 15 minutes under running water; in case of continuing irritation consult a medical specialist. |
| After skin contact: | - Wash skin exposed to contact thoroughly with flushing water and soap. |
| After ingestion: | - Immediately rinse mouth with water. If swallowing has occurred, drink plenty of water and consult a specialist by reporting the components under chapter 2. |
| After inhalation: | - Remove the victim from the polluted area and keep him into fresh air. Consult a specialist if necessary. |

05. Fire fighting measures:

- | | |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Qualified medium: | - Atomized foam, carbon dioxide or powder extinguishers. |
| Unqualified medium: | - Water, nebulized water |
| Special hazards of the product, it's products of combustion or forming vapours: | - When heated to decomposition, the product can emit: Carbon monoxide (CO), Carbon dioxide (CO ₂), Formaldehyde. |
| Special protection requirements: | - During fire fighting an environment-independent respirator is recommended. |

06. Accidental release measures:

- | | |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precaution: | - Goggles and protective gloves are recommended. In case of forming of dust wear a protective mask (filter P 3).
- Thoroughly air out the contaminated area. |
| Environmental protection measures: | - Major spillages should be prevented from entering drains or watercourses. Powdery product should be swept and absorbed. Solved/liquid product should be contained and absorbed with sand or sawdust. |
| Procedure of cleaning/absorbtion: | - Little spillages should be rinsed with plenty of water. Contain greater amounts in closed containers. |
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07. Handling and storage:

Handling:

- The processing area should be well-ventilated.
- Avoid the forming of dust.
- Dust may form explosive vapours with the air.

Storage:

Requirements to storehouses and containers:

- Keep bags tight close and dry. Powder resin is hygroscopic.

08. Exposure controls and personal protection:

Additional information for the design of technical installations:

- see chapter 7

The suggested exposure limits in working places are:

CAS N°	designation of product	type	value	unit
50-00-0	Formaldehyde	MAK	0,5	ppm

General measures for protection and hygienics:

- Usual measures of precaution for the handling of chemicals should be observed.
- Remove contaminated clothing.
- Avoid skin and eye contact.
- Clean and attend skin after work.
- Do not smoke, eat or drink in the working places.

Breath protection:

- In case of forming dust wear breathing mask (type P 3).

Hand protection:

- Protective gloves.

Eye protection:

- Use caulk goggles while handling the powder resin.

Body protection:

- No particular protection required.

09. Physical and chemical properties:

Form (25° C):	powder
Colour:	cream-white
Odour:	slightly
Decomposition:	>230° C
Flash point:	>200° C
Auto-ignition temperature:	not determined
Ignition temperature:	ca. 440° C
Fire increasing characteristics:	not determined
Danger of explosion:	not explosive
Vapour pressure:	not determined
Solubility in water:	limitedly mixable
Density (20° C):	530 kg/m ³
pH value: (500 g/l, 20° C)	5,0 - 5,5
Viscosity: (20° C)	not determined
Content of solvent:	not determined

10. Stability and reactivity:

Conditions to be avoided:

- See chapter 7 (Handling and storage).

Materials to be avoided:

- See chapter 3 (Hazards identification).

Dangerous products of decomposition:

- Do not occur if working instructions are observed.

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11. Toxicological information:

- Acute toxicity: - Derived from products with similar composition:
LD 50 oral (rat):> 10000 mg/kg.
- Subcutaneous/chronic toxicity: - In case of contact to skin products with separateable formaldehyde might be sensibilizing to skin.
- Experiences with human beings: - Substances of similar composition with separateable formaldehyde may result in sensibilisation of skin when contact is intensively.
- Formaldehyde (Gas): - The International Agency for Research on Cancer (IARC) has classified formaldehyde gas as a Group 1 (known) human carcinogen based on epidemiological evidence linking formaldehyde exposure to occurrence of nasopharyngeal cancer, a very rare cancer in the back of the upper throat. CEE consider formaldehyde as cancerogen of cat. 3.
No adverse health effects are anticipated if recommended personal protective equipment and industrial hygiene practices are used.

12. Ecological information:

Glue should be prevented from entering drains or watercourses.

13. Disposal considerations:

Empty bags completely. Let small remainders of the liquid resin harden and dispose according to Local Authority.

14. Transport information:

Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

- ADR/RID-GGVS/E Class: - -, -

Maritime transport IMDG/GGVSea:

- Marine pollutant: - No

Transport/Additional information: - Not dangerous according to the above specifications.

15. Regulatory information:

Designation according to

EC guidelines: - Xi irritating

R phrases: R 43 - May cause sensitization by skin contact.

S phrases: S 23 - Vapours should not be inhaled.

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

S 37 - Wear suitable gloves.

S 51 - Use only in well-ventilated areas.

The preparation contains formaldehyde; the risks deriving from this substance are therefore to be taken into account during the handling.

16. Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.