Safety data sheet according to 91/155/EEC

Meccanica Librandi, January 2006

1. Substance: Giellehydrostat disk-material

Self-lubricating compound for thrust-bearing rotating disks – applied by:
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2. Composition / information on ingredients

Chemical Characterisation
Sheets pressed from prepregs with non-woven fabric and polyimide resin, cured.

Hazardous ingredients
N/A

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3. Possible hazards

When machining the material, coarse and fine dust can be created. Please note paragraph 4 and 8. In general the use of an adequate exhaust system is recommended. Provide sufficient ventilation for operations causing dust formation. Dust accumulations have to be removed at regular intervals; do not use pressed air for the removing of the dust!

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4. First aid measures

If inhaled
Rinse the mouth; remove the exposed person to fresh air. The use of respiratory masks for the use in dusty areas is recommended (please check with the recommendations ZH 1/700 and ZH 1/701 of the German government safety organisation-BG).

On skin contact
Skin irritation and itching possible. Clean skin parts concerned and put on protective clothing. Get medical attention if irritation persists after washing. The use of suitable protective gloves and tight fitting overalls are recommended (please check with the recommendations ZH 1/700, ZH 1/703 and ZH 1/708 of the German government safety organisation-BG).

On contact with eyes
Promptly wash eyes with plenty of water while lifting the eye lids. Do not rub! Get

medical attention promptly if symptoms occur after washing. The use of tight fitting goggles is recommended; these have to be marked with “4” (bigger particles of dust) or “5” (fine particles of dust); (please check with the recommendations ZH 1/703 of the German government safety organisation-BG)

On ingestion
Get medical attention.

5. Fire fighting measures

Material is flame-resistant, combustibility according to DIN 56438 at edge flaming class K1, at surface flaming class F1

Suitable extinguishing media
Water, dry extinguishing agents, foam, carbon dioxide

In case of fire can be set free
carbon monoxide, carbon dioxide and hazardous fumes (e.g. NOx).

Protective equipment
Protective device exhaled air, self-contained of recirculated air

6. Accidental release measures

General information
Avoid dust formation. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Pick up small pieces carefully.

Method for cleaning and collecting
Dust vacuum cleaner, wet mop; wear tight fitting protective clothing and dust mask.

7. Handling and storage

Handling
Wear tight fitting protective clothing, tight fitting dust mask and tight fitting goggles during mechanical treatment. Otherwise skin irritation may be caused (please compare with paragraph 4)

Storage
Store dry

8. Exposure control and personal protection

General protective and hygienic measures
- Keep away from food and drinks
- Wash hands thoroughly before going to pause and when finishing work
- Avoid contact with eyes and skin

Ventilation
Provide adequate local and general exhaust ventilation. Provide sufficient ventilation for operations causing dust. Wear tight fitting dust mask (please compare with paragraph 4)

Eye protection
The use of tight fitting goggles is recommended; these have to be marked with “4” (bigger particles of dust) or “5” (fine particles of dust); (please check with the recommendations ZH 1/703 of the German government safety organisation-BG)

Protective clothes
The use of suitable protective gloves and tight fitting overalls are recommended (please check with the recommendations ZH 1/700, ZH 1/703 and ZH 1/708 of the German government safety organisation-BG).

9. Physical and chemical properties

Features
Form: solid
Colour: black
Odour: none

Change of condition
Flash point: 100℃
Ignition temperature: N/A
Explosion limits: not explosive
Density: approx. 1,7 g/cm³ (cured material)
Solubility in water: insoluble
pH-value(at 50 g/l, 23℃): N/A
Viscosity: N/A

10. Stability and reactivity

Thermal decomposition
No decomposition if used and stored according to specifications

Substances to be avoided
No decomposition if used according to specifications

Hazardous decomposition products
In case of fires formation of carbon monoxide, carbon dioxide and other toxic gases (e.g. NOx)

11. Toxicological information

In case of fires formation of carbon monoxide, carbon dioxide and other toxic gases (e.g. NOx)

12. Ecological information

Ecological information not available.

13. Disposal considerations

Recommendation product
Disposal must be made according to official regulations

Disposal code
not known

14. Transport information

No hazardous material within transport regulations

15. Regulatory information

Labelling according to EEC - Directives
Labelling not necessary

National regulations
Labelling not necessary according to chemical regulations

Hazard Classification
Based on available data, the disk material is not to be considered
as hazardous preparation within the existent regulations of 01.10.1986 for hazardous materials.

Water hazard class
Not dangerous to water

16. Other information

According to the present state of technology neither fibrogenous nor cancer causing modifications are caused through the above-described material.
However the supplier recommends to provide for an adequate exhaust of the arising dust during machining respectively, if an exhaust installation is not possible to wear suitable respiratory protection.

The information contained herein describes our product regarding possible safety requirements and marking in accordance with existing laws. It is based on the present state of knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.