

Easy Green

DO IT IN VITASTRAT[®], ÖKOSTRAT[®] or HYDROTON[®]

MATERIAL SAFETY DATA SHEET Natural product made out of expanded clay

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Name: **HYDROTON[®]**

Manufacturer's Name:

Ökotau GmbH

Address:

Georg-Büchner-Str. 5

65760 Eschborn, Germany

Telephone Number:

+49 6173 9999 0

Fax Number:

+49 6173 9999 50

Date prepared: June 20, 2005

SECTION II – HAZARDOUS INGREDIENTS /IDENTIFY INFORMATION

According to the regulations 91/155/EWG adapted through the regulations of 1999/45/EG and the regulations 2001/58 EG, this product is not considered harmful or hazardous

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance:	Round Grain
Size:	0-20 mm
Color:	Grey Brown-Red
Odor:	Odorless
Boiling Point:	NA
Solubility in Water:	Insoluble in water
Melting point:	> 1300°C
Particle Density, dry:	approx. 0.4-1.8kg/dm ³
Bulk Density dry:	approx. 0.2-1.0 kg/dm ³
PH:	7-9 in aqueous solution (100g/Liter)

Chemical composition:

Chemical	Percentage – data in mass
SiO ₂	53%
Al ₂ O ₃	18%
Fe ₂ O ₃	15%
CaO	3%
MgO	2%
Trace elements	2%

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SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Auto ignition temperature: NA
Fire and explosion protection: not needed
Expanded clay is not flammable, thermal dimensional stability up to 1250°C, after that softening, melting point >1300°C.
Use extinguishing agents suitable for surrounding fire.

SECTION V – REACTIVE DATA

Stability: Stable under normal conditions of use, storage and transportation.
Conditions to avoid: Elevated temperature >1300°C, melting point. Strong inorganic and organic acids.
Hazardous Decomposition or By-products: ND, product is resistant, of mineral origin.
Biological and ecological product

SECTION VI – HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? No Skin? No Ingestion? No
Health Hazards (Acute and Chronic): The material releases no toxic substances.
Free from soil and harmful organisms.
OSHA, NTP, or IARC Carcinogen: Not listed.
Medical Conditions Generally Aggravated by Exposure: N/A
Emergency and First Aid Procedures: In case of eye contact, flush eyes well with water to remove. Get medical attention when needed.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Precautions to be taken during normal operation: Nose, eye and hand protection.
Precautions to be taken in handling and storing: Avoid creating dust particles, use in ventilated area with breathing protection (e.g. Half mask or particle filter P1-P3)
Other precautions: None
Hazardous waste: No
Waste Disposal Method: Follow all applicable community, national or regional regulations regarding waste management methods. Can be used as landfill. Product is ceramic-based without chemical break down; neutral conduct in water, not water soluble, positive influence activity of mud in sewage purification.
Storage: According to the operation area, dry.

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SECTION VIII – CONTROL MEASURES

Ventilation:	Adequate and local exhaust.
Protective gloves and safety glasses:	Yes
Respiratory protection:	Under normal use conditions, airborne exposure is not expected to be significant enough to require respiratory protection.
Prevention of Swallowing:	N/A
Other Protective Clothing or Equipment:	N/A
Work /Hygienic Practices:	Wash thoroughly after handling. Generally prevent formation of dust

SECTION IX – TRANSPORT INFORMATION

Additional Information:	Not dangerous goods, suitable for the national and international transportation regulations.
Tariff number:	68062010 0
Abbreviations:	ND – Not Determined NA – Not Applicable CA - Approximately

DISCLAIMER

“The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued”.

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