

SAFETY DATA SHEET

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Version: 8 / DE

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Green Umber

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Colourant

1.3. Details of the supplier of the safety data sheet

Address

Deffner & Johann GmbH Mühläckerstraße 13	
D-97520 Röthlein	
Telefon-Nr.:	+ 49 (0) 9723 9350-0
Fax-Nr.:	+ 49 (0) 9723 9350-25
E-Mail-Adresse:	info@deffner-johann.de

1.4. Emergency telephone number

+49 (0) 9723 9350-0 (Mo - Fr: 7.30 -15.00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Voluntary product information following the Safety Data Sheet format This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

2.3. Other hazards

Dust loading

This substance/mixture does not contain components classified as persistent, bioaccumulative and toxic (PBT) at levels of 0.1% or higher. This substance/mixture does not contain components classified as very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

pigment mixture, inorganic construction

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of persistent symptoms consult doctor.

After inhalation

Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion

Rinse mouth thoroughly with water. Call in a physician immediately and show him the Safety Data Sheet. Adhere to personal protective measures when giving first aid

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First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Dry powder, Foam, Carbon dioxide, Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Irritant and harmful combustion products.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear full protective suit.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Do not inhale dust. Use breathing apparatus if exposed to vapours/dust/aerosol. Ensure adequate ventilation. Use personal protective clothing. High risk of slipping due to leakage/spillage of product. Refer to protective measures listed in Sections 7 and 8. Remove persons to safety.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Retain and dispose of contaminated wash water.

6.3. Methods and material for containment and cleaning up

Avoid raising dust. Pick up mechanically. When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust. Provide exhaust ventilation if dust is formed. Ensure adequate ventilation. Handle and open container with care. Provide suitable exhaust ventilation at the processing machines. Use breathing apparatus when transferring large quantities without exhaust ventilation facilities. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

Avoid dust formation. No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Hints on storage assembly

Do not store together with foodstuffs. Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from direct sunlight. Protect from extreme heat and cold.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

The national general dust limit must be observed. TRGS 900: Oberserve the general dust threshold.

8.2. Exposure controls

General protective and hygiene measures

Do not inhale dust/fumes/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Use barrier skin cream. Observe the usual precautions for handling chemicals. Take off immediately all contaminated clothing.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Particle filter P2; Use breathing apparatus in dust-laden atmosphere.

Hand protection

Protective gloves

Observe the information of the glove manufacturers on permeability and breakthrough times and other workplace requirements.

Eye protection

Safety glasses with side protection shield

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical a	nd chemical propertie	es
Physical state	Powder	
Colour	see tradename	
Odour	characteristic	
Melting point		
Remarks	not determined	
Freezing point		
Remarks	not determined	
Boiling point or initial boiling point	and boiling range	
Remarks	not determined	
Flammability		
not determined		
Upper and lower explosive limits		
Remarks	not determined	
Flash point		
Remarks	Not applicable	
Ignition temperature		
Remarks	not determined	
Decomposition temperature		
Remarks	not determined	
pH value		
Value	7	to
Concentration/H2O	5	%
Source	Literature value	
Solubility(ies)		
Remarks	not determined	
Partition coefficient n-octanol/wate	r (log value)	
Remarks	not determined	
Vapour pressure		
Remarks	not determined	
Density and/or relative density		
Remarks	not determined	

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ade name: Green Umber			Print da	ate: 03.11.2
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	Replaces Vers	sion: -/DE		
Deletive veneur density				
Relative vapour density Remarks	not determined			
Particle characteristics Remarks	not determined			
9.2. Other information				
Odour threshold Remarks	not determined			
Evaporation rate (ether = 1) : Remarks	not determined			
Solubility in water				
Remarks Source	insoluble Literature value			
Auto-ignition temperature				
Remarks Source	not self-flammable Literature value			
Explosive properties evaluation	no			
Oxidising properties Remarks	not determined			
Other information None known				
10.2. Chemical stability Stable under recommended storage	ge and handling conditions (see se	ction 7).		
10.3. Possibility of hazardous read	ctions			
No hazardous reactions known.				
10.4. Conditions to avoid				
No hazardous reactions known.				
Decomposition temperature Remarks	not determined			
10.5. Incompatible materials				
No hazardous reactions when sto	red and handled according to preso	cribed instructions.		
10.6. Hazardous decomposition p	roducts			
No hazardous decomposition proc	ducts known.			
CTION 11: Toxicological inform	ation			
11.1 Information on hazard classe	es as defined in Regulation (EC) I	No 1272/2008		
Acute oral toxicity				
Reference substance	Diiron trioxide rat			
Species	> 5000 Literature value	mg/kg		
-				
Source				
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12.7. Other adverse effects

General information not determined

General information / ecology

Ecological data are not available. Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off as product waste. Uncontaminated packaging may be taken for recycling.

SECTION 14: Transport information

Land transport ADR/RID

The product does not constitute a hazardous substance in land transport.

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Water Hazard Class (Germany)

 Water Hazard Class (Germany)
 Not water hazardous

 Remarks
 Derivation of WGK according to Annex 1 No. 5.2 AwSV

15.2. Chemical safety assessment

not applicable

SECTION 16: Other information

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route AGW: Arbeitsplatzgrenzwert AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances that are hazardous to water) BGW: Biologischer Grenzwert CAS: Chemical Abstracts Service DNEL: Derived no effect level EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances GGVSee: Gefahrgutverordnung See IARC: International Agency for Research on Cancer IATA: International Air Transport Association ICAO: International Civil Aviation Organization IMDG: International Maritime Code for Dangerous Goods LC: Lethal concentration LD: Lethal dose MAK: Maximale Arbeitsplatz-Konzentration NOEC: No observable effect concentration NOEL: No observable effect level OECD: Organisation for Economic Co-operation and Development **OEL:** Occupational exposure limit PBT: Persistent, Bioaccumulative and Toxic

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PNEC: Predicted no effect concentration

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses

TRGS: Technische Regeln für Gefahrstoffe

VDI: Verein Deutscher Ingenieure

VLEP: Valeurs Limites d'exposition Professionnelle

vPvB: Very persistent and very bioaccumulative

WGK: Wassergefährdungsklasse (water hazard class)

Supplemental information

These data is based on our present knowledge and experience respectively supplier-information. This safety data sheet describes the product in regard to the requirements of safety. The information does not represent an assurance for certain properties. Existing laws and regulations are to be observed by the recipient of our products in own responsibility. It is the responsibility of the user, to determine if the product is suitable for the deliberate operational area and the respective intended purpose. A liability for damages in connection with the use of this information is excluded. Relevant changes compared with the previous version of the safety data sheet are marked with: ***