

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 17.05.2011

Version: 1

Revision: 17.05.2011

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

- **Product identifier**
- **Trade name:** **Ginol 16**
- **CAS Number:**
36653-82-4
- **EC number:**
253-149-0
- **Registration number:** 01-2119485905-24-XXXX
- **Relevant identified uses of the substance or mixture and uses advised against:** None of the identified uses is advised against.
- **Application of the substance / the preparation:**
Intermediate
coatings
Metal working
Cosmetic raw material
Raw material for detergents
personal hygiene
binder in combination with cement
Production of rubber
agricultural chemicals
- **Details of the supplier of the safety data sheet**
- **Supplier/Manufacturer:**
CREMER OLEO GmbH & Co. KG
Glockengiesserwall 3
D-20095 Hamburg

Tel.: +49-40-32011-0
Fax: +49-40-321757
- **Email competent person:** quality47@cremer-gruppe.com
- **Information department:** See supplier/manufacturer
- **Emergency telephone number:**
GIZ-Nord, Göttingen, Germany
+49 551 19240

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** The substance is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** not applicable
- **Information concerning particular hazards for human and environment:**
May be irritant to eyes, respiratory tract, skin and mucous membranes.
According to current European laws and regulations the product is not dangerous or toxic material (based on the available data).
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards** Risk of dust explosion in case of high dust concentrations in the air.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description:**
36653-82-4 hexadecan-1-ol
- **Identification number(s):**
- **EC number:** 253-149-0

4 First aid measures

- **Description of first aid measures**
- **General information:** If symptoms persist or in case of doubt, seek medical advice.
- **After inhalation:** Supply fresh air; consult a doctor in case of pain.
- **After skin contact:** Wash with water and soap and rinse with plenty of water.
- **After eye contact:**
Rinse the eyes with open eyelids for 10 - 15 minutes with water.
If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Never give anything by mouth to an unconscious person.
Seek medical treatment.
- **Information for doctor:**
- **Indication of any immediate medical attention and special treatment needed** Symptomatic treatment

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Carbon dioxide (CO₂)
Extinguishing powder
Foam
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Carbon dioxide
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear a fully protective suit.
- **Additional information:** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
Avoid contact with eyes and skin.
Avoid formation of dust.
Ensure adequate ventilation.
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Pick up mechanically.
Make sure to recycle or dispose of in suitable receptacles.

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Avoid any dust formation. Pick up with a tested and approved industrial vacuum cleaner if necessary.

- **Reference to other sections**

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

No special precautions are necessary if used correctly.

Prevent formation of dust.

Avoid inhalation of dust.

Avoid contact with eyes and skin.

Avoid inhalation of vapours formed by heated product.

Handle heated substance with care - risk of burning!

- **Information about protection against explosions and fires:**

Dust can combine with air to form an explosive mixture.



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store cool and dry.

Suitable packing material: paper with PE-layer

Appropriated container material

Stainless steel

Mild steel

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from feed.

Do not store together with oxidizing and acidic materials.

- **Further information about storage conditions:**

Protect from heat (steam pipes, radiators etc.) open flames, other ignition sources and direct sunlight.

- **Storage class:** 11 Combustible solids

8 Exposure controls/personal protection

- **Additional information about design of technical systems:**

Install appropriate mechanical ventilation.

No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:** Not required.

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures should be adhered to when handling chemicals.

Do not inhale dust / smoke / mist.

Vacuum clean contaminated clothing. Do not blow or brush off contamination.

Wash hands before breaks and at the end of work.

Avoid close or long term contact with the skin.

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Avoid contact with the eyes.

Breathing equipment:

Not necessary if room is well-ventilated.

At formation of dust:

In case of unintended release:



In case of brief exposure or low pollution use a respiratory filter device. In case of intensive or longer exposure use a respiratory protective device that is independent of circulating air.

Short term filter device:

Filter P1.

Filter P2.

Protection of hands:

At longer contact: protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation.

After use of gloves apply skin-cleaning agents and skin cosmetics.

When handling the heated product, use heat-resistant gloves.

Material of gloves:

For undissolved solid substances following materials may be suitable:

Butyl rubber, BR

Nitrile rubber, NBR

Polychloroprene rubber (CR)

Fluorocarbon rubber (FKM)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material:

The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses**Body protection:** Protective work clothing.

9 Physical and chemical properties

Information on basic physical and chemical properties**General Information:****Appearance:****Form:**

Flakes

Colour:

White

Odour:

Characteristic

Change in condition:**Melting point/Melting range:**

46-49°C

Boiling point/Boiling range:

305-330°C

Flash point:

~ 180°C

Flammability (solid, gaseous):

Product is not flammable.

Ignition temperature:

250°C

Danger of explosion:

Product is not explosive. However, formation of explosive air/dust mixtures is possible.

Explosion limits:**Lower:**

1 Vol %

Upper:

8 Vol %

Vapour pressure:

Not applicable.

Density at 60°C:0.81 g/cm³

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- **Solubility in / Miscibility with Water:** Insoluble
- **Segregation coefficient (n-octanol/water):** 6.73 log POW

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
To avoid thermal decomposition do not overheat.
Conditions to be avoided: see chapter 7
- **Possibility of hazardous reactions** Risk of dust explosion if enriched with fine dust while being exposed to air.
- **Incompatible materials:**
Acids
Strong oxidants
- **Hazardous decomposition products:** No hazardous decomposition products; if instructions for storage and handling are followed.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
36653-82-4 hexadecan-1-ol
Oral LD₅₀ 6400 mg/kg (rat)
Dermal LDLo 10000 mg/kg (guinea pig)
LD₅₀ > 2600 mg/kg (rabbit)
Inhalative LCLo 2220 mg/m³ (rat)
6h
- **Primary irritant effect:**
- **on the skin:** May cause irritation to the skin.
- **on the eye:** Light irritation possible
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**
No harmful effect on fish, daphnia and algae up to its limit of solubility.
36653-82-4 hexadecan-1-ol
EC₅₀/72h 676 mg/l (scenedesmus subspicatus)
- **Persistence and degradability**
- **Other information:**
The product is easily biodegradable.
Biological degradation: 90 % after 28 days
- **Behaviour in environmental systems:**
- **Bioaccumulative potential**
No bioaccumulation to be expected.
BCF:
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- **Ecotoxicological effects:**
- **Other information:** Can be mechanically separated in sewage plants.
- **Additional ecological information:**
- **General notes:** Not hazardous to water according to VwVwS (German regulation) appendix 1 dated 27.7.2005
- **Results of PBT and vPvB assessment**
- **PBT:** Substance characteristics do not meet screening criteria.
- **vPvB:** Substance characteristics do not meet screening criteria.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Disposal according to instructions of local authorities.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** No hazardous good according to the regulation.
- **Maritime transport IMDG:**
- **IMDG Class:** No hazardous good according to the regulation.
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** No hazardous good according to the regulation.
- **Special precautions for user** Not applicable.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:**
Not hazardous for water
according to VwVw from 27.7.2005
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Replaces version dated:** 19.1.2009

- **Department issuing MSDS:**
KFT Chemieservice GmbH
Im Leuschnerpark. 3 D-64347 Griesheim
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- **Contact:** Dr. Sonja Fischer

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Sources:

HSDB database

Toxnet ChemID

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