

Registered office: Godrej One Pirojshanagar, Eastern Express Highway, Vikhroli, Mumbai 400 079, India.

Rev. 02 Phone: (91-22) 2518 8010 / 2518 8020 / 2518 8030 extn: 4768 Fax: (91-22) 2518 8063 / 2518 8065  
e-mail: rv.dubhashi@godrejinds.com Effective Date 01/04/2019

## 1 Identification

· **Trade name:** Ginol 22 (70%) (Behenyl Alcohol) (Octadecan 1 Ol, Eicosanol & Docosan 1-Ol)

**Chemical Name-** docosan-1-ol

CAS Number-

661-19-8

EC Number-

211-546-6

**Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture** Cosmetics, personal care products

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

**Manufacturer/Supplier:**

Godrej Industries Limited,

Plot No 3, Village Kanerao,

Taluka Valia, District Bharuch, Gujarat, India. Pin:

393135

Telephone:02643 270756 / 57 / 58 / 59 / 60

Fax:91-2643 270018

· **Information department:**

**Mr RV Dubhashi, Email: rv.dubhashi@godrejinds.com**

**Tel No.: 022-25194768**

Telephone number of EU importer:

Opening hours: (08.30 –17.00 hours GMT +5.5 hours) Other Comments

Other Comments (e.g. language(s) of the phone service): English

## 2 Hazard(s) identification

· **Classification of the substance or mixture**

The product is not classified according to the Globally Harmonized System (GHS).

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.

· **Information concerning particular hazards for human and environment:**

The product does not have to be labeled due to the calculation procedure of international guidelines.

· **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· **Label elements**

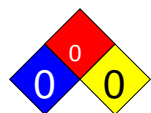
**Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable

· **vPvB:** Not applicable..

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### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Chemical characterization: Substances**
- **CAS No.- 661-19-8**
- **EC number: 211-546-6**
- **Additonal information: Molecular**  
Formula:  $\text{CH}_3(\text{CH}_2)_n\text{CH}_2\text{OH}$  where  $n$   
= 20, 18 & 16  
Molecular Weight :326.60
- **Description: Mixture: consisting of the following components.**  
Composition- Behenyl alcohol 66-73%  
Stearyl Alcohol 13-17  
Eicosanol 13-17

### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Wash affected skin with soap and water.  
Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**  
Rinse mouth with water.  
If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Information for doctor:** Treat symptomatically and supportively.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Foam, dry chemical powder, carbon dioxide.  
Use firefighting 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 (CO<sub>2</sub>)
- **Advice for firefighters**
- **Protective equipment:** Fire fighters should wear positive self-contained breathing apparatus.

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## 6 Accidental release measures

### · **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

### · **Environmental precautions: Do not allow product to Trade name: Ginol 22 70%**

### · **Methods and material for containment and cleaning up:**

Sweep up, place in a bag and hold for waste disposal. If liquid, soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Do not flush into surface water or sanitary sewer system

### · **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

### · **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with skin, eyes and clothing.

### · **Information about protection against explosions and fires: No special measures required.**

### · **Conditions for safe storage, including any incompatibilities**

#### · **Storage:**

#### · **Requirements to be met by storerooms and receptacles:**

Store in a cool, dry, well-ventilated area away from incompatible substances.

#### · **Information about storage in one common storage facility: Store away from oxidizing agents.**

#### · **Further information about storage conditions:**

Suitable storage material: SS tank / Laquer-lined MS drums / HDPE-laminated bags with liners

#### · **Specific end use(s) Cosmetics, personal care products**

## 8 Exposure controls/personal protection

### · **Additional information about design of technical systems:**

Local exhaust ventilation required plus good work practice.

Safety shower. Eye fountain.

### · **Control parameters**

### · **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### · **Exposure controls**

#### · **Personal protective equipment:**

#### · **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

#### · **Breathing equipment:**

No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odors exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.

#### · **Protection of hands:**



Protective gloves

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

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3) Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

· **Material of gloves**

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. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through 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:** White flakes / pastilles (clear liquid when melted)

· **Form:** Solid

· **Color:** White

· **Odor:** Characteristic

· **pH-value:** Not applicable.

· **Change in condition**

**Melting point/Melting range:** 63-71 °C

**Boiling point/Boiling range:** 335°C - 380°C

· **Flash point:** ca. 204 °C (ca. 399 °F)

· **Flammability (solid, gaseous):** Product is not flammable.

· **Ignition temperature:** 250 - 269 °C (482 - 516 °F)

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapor pressure at 38 °C (100 °F):** <0.001 mbar

· **Density at 20 °C :** 0.91 g/cm<sup>3</sup>

· **Solubility in / Miscibility with**

**Water:** Insoluble.

· **Partition coefficient (n-octanol/water):** 7.4 – 8.3 log POW

· **Viscosity:**

**Dynamic:** Not applicable.

· **Other information** No further relevant information available.

## 10 Stability and reactivity

· **Reactivity**

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

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- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Incompatible with oxidizing materials.
- **Hazardous decomposition products:** May produce carbon mono-oxide and/or carbon dioxide.

## 11 Toxicological information

### · Information on toxicological effects

#### · Acute toxicity:

#### · LD/LC50 values that are relevant for classification:

##### 661-19-8 docosan-1-ol

Oral	LD50	> 2000 mg/kg bw (rat)
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##### 629-96-9 icosan-1-ol

Oral	LD50	> 10000 mg/kg bw (rat)
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Dermal	LD50	>16800 mg/kg (rabbit)
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#### · Primary irritant effect:

· **On the skin:** No irritant effect.

· **On the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

#### · Subacute to chronic toxicity:

No studies available for the product.

CAS: 661-19-8

In a reliable study conducted according to a protocol very similar to OECD guideline 408, a repeated oral dose (26-week) NOAEL of 1000 mg/kg bw/day was determined in the rat. The study was performed in compliance with GLP.

#### · Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

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.

#### · Carcinogenic categories

##### · IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

##### · NTP (National Toxicology Program)

None of the ingredients is listed.

##### · OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

## 12 Ecological information

### · Toxicity

#### · Aquatic toxicity:

##### 661-19-8 docosan-1-ol

EC50 (48hr)	> 100 mg/L (Daphnia magna)
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LC50 (96hr)	> 1000 mg/L (Fish Onchorhynchus mykiss(Rainbow trout))
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##### 629-96-9 icosan-1-ol

EC50 (48hr)	> 100 mg/L (Daphnia magna)
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LC50 (96hr) > 100 mg/L (Fish)

- **Persistence and degradability** The product is not expected to be persistent in the environment.
- **Bioaccumulative potential** The product is not expected to be bioaccumulative .
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
 Dispose off waste material according to local, state and federal regulations.  
 Suitable for incineration.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

· <b>UN-Number</b>	
· <b>DOT, ADR, ADN, IMDG, IATA</b>	Not applicable
· <b>UN proper shipping name</b>	
· <b>DOT, ADR, ADN, IMDG, IATA</b>	Not applicable
· <b>Transport hazard class(es)</b>	
· <b>DOT, ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Not applicable
· <b>Packing group</b>	
· <b>DOT, ADR, IMDG, IATA</b>	Not applicable
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Not applicable

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

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· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

TLV (ACGIH):1000 ppm.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations** User to follow national laws and regulations.

## 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.

· **Department issuing SDS:** Product safety department.

· **Contact: Mr. RV Dubhashi**

Akshay Bhavsar

Tel no. **022-25194768**

Email: rv.dubhashi@godrejinds.com ,

ap.bhavsar@godrejinds.com

· **Date of last revision** 01/04/2019

· **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)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial

Hygienists EINECS: European Inventory of Existing Commercial

Chemical Substances ELINCS: European List of Notified Chemical

Substances

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

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NFPA: National Fire Protection Association  
(USA) HMIS: Hazardous Materials Identification  
System (USA) LC50: Lethal concentration, 50  
percent  
LD50: Lethal dose, 50 percent

· **Sources**

- Occupational Safety & Health Administration (OSHA)  
<https://www.osha.gov/Publications/OSHA3514.html>
- Data from published dossier on ECHA website for CAS: 661-19-8  
<http://apps.echa.europa.eu/registered/data/dossiers/DISS-a2150883-f1ed-34a2-e044-00144f67d031/DISSa2150883-f1ed-34a2-e044-00144f67d031%20DISS-a2150883-f1ed-34a2-e044-00144f67d031.html>
- Data from published dossier on ECHA website for CAS: 629-96-9  
<http://apps.echa.europa.eu/registered/data/dossiers/DISS-a21180c8-e3c7-2b87-e044-00144f67d031/DISSa21180c8-e3c7-2b87-e044-00144f67d031%20DISS-a21180c8-e3c7-2b87-e044-00144f67d031.html>

· **\* Data compared to the previous version altered.**

- Section 4: First-aid measures
  - Section 5: Fire-fighting measures
  - Section 6: Accidental Release measures
  - Section 7: Handling and storage.
  - Section 8: Exposure Controls/Personal protection.
  - Section 10: Stability and Reactivity.
  - Section 11: Toxicological Information.
  - Section 12: Ecological Information.
  - Section 13: Disposal consideration
  - Section 15: Regulatory information
- Section 15: Regulatory information  
Section 16: other information