

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

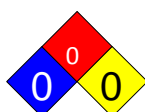
Phone: (91-22) 2518 8010 / 2518 8020 / 2518 8030 extn: 4768 Fax: (91-22) 2518 8063 / 2518 8065  
Rev. 02 e-mail: rv.dubhashi@godrejinds.com Effective Date 01/04/2019

## 1 Identification

- **Trade name:** Ginol 18 (98 %) (Stearyl Alcohol) (Octadecan 1 Ol)
- **Chemical Name:** Octadecan-1-ol
- **CAS Number:**  
112-92-5
- **EC number:**  
204-017-6
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**
  - 1) Synthetic intermediate  
Coatings  
Metalworking fluids/rolling oils  
Mining/offshore - Mining chemicals  
Process chemical e.g. in Paper and Textiles industries
  - 2) Personal care  
Use in cleaning agents
  - 3) Other consumer uses (pharmaceuticals and personal care)  
Plaster/cement - Use as binders and release agents / Road and construction applications  
Plastic/rubber - Polymer processing
  - 4) Agrochemicals
- **Details of the supplier of the safety data sheet**
- **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 substance 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:** Not applicable.
- **Label elements**
- **Labelling according to EU guidelines:**  
The substance is not subject to classification according to the sources of literature known to us.  
Observe the general safety regulations when handling chemicals.
- **Safety phrases:** Not applicable
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 0  
Reactivity = 0

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## · HMIS-ratings (scale 0 - 4)

|           |   |
|-----------|---|
| HEALT     | 0 |
| H FIRE    | 0 |
| REACTIVIT | 0 |

Health = 0

Fire = 0

Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**  
112-92-5 octadecan-1-ol
- **Identification number(s)**
- **EC number:** 204-017-6
- **Additional information:**  
Molecular Formula: C<sub>18</sub>H<sub>38</sub>O  
Molecular Weight :270.497
- **Composition- Stearyl alcohol min. 98%**

## 4 First-aid measures

- **Description of first aid measures**
- **General information:**  
Seek immediate medical advice.  
No hazards which require special first aid measures
- **After inhalation:**  
Take affected person into the open air and allow him to rest.  
Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration.  
Monitor breathing, give oxygen if necessary.  
Consult a physician
- **After skin contact:** Wash with plenty of soap and water
- **After eye contact:** Wash eyes with plenty of water for at least 15 minutes
- **After swallowing:**  
Wash the affected person's mouth with plenty of water, provided he is conscious.  
Consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Water spray, Dry powder, Foam, Carbon dioxide (CO<sub>2</sub>)
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**  
Wear breathing apparatus and fully protective clothing to prevent contact with skin and eyes.
- **Protective equipment:** Wear self contained breathing apparatus for fire fighting if necessary.

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· **Additional information**

Ensure adequate ventilation. Remove all sources of ignition. Use personal protective equipment.

## 6 Accidental release measures

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

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves

· **Environmental precautions:** Do not allow product into drain or water course.

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

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Use mechanical handling equipment.

· **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**

Handle in accordance with good hygiene and safety procedures.

Do not breathe dust, and avoid contact with eyes, skin and clothing.

Avoid prolonged or repeated exposure and wash thoroughly after handling.

Do not leave container open.

Use leak-proof equipment with exhaust for refilling or transfer.

Avoid spillage.

Fill only into clearly marked containers.

Avoid rising dust

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

Keep away from sources of ignition (e.g. open flames, heat sources and sparks).

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

Do not use any food containers - risk of mistake.

Containers have to be marked clearly and permanently.

Keep container tightly closed.

Recommended storage at room

temperature. Store in a dry place

· **Storage:** Ambient condition

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

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

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

Keep container closed and store in a cool, dry place

· **Further information about storage conditions:** None.

· **Specific end use(s)**

1) Synthetic intermediate

Coatings

Metalworking fluids/rolling oils

Mining/offshore - Mining chemicals

Process chemical e.g. in Paper and Textiles industries

2) Personal care

Use in cleaning agents

3) Other consumer uses (pharmaceuticals and personal care)

Plaster/cement - Use as binders and release agents / Road and construction applications

Plastic/rubber - Polymer processing

4) Agrochemicals

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## 8 Exposure controls/personal protection

· **Control parameters**

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Personal Protective Equipment.

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

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

· **Breathing equipment:**

Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as (National Institute for Occupational Safety and Health)NIOSH (US) or CEN (EU).

· **Protection of hands:**



Protective gloves

· **Material of gloves**

Polychloroprene - CR (0,5 mm)

Nitrile rubber/Nitrile latex - NBR (0,35 mm)

Butyl rubber - Butyl (0,5 mm)

Fluoro carbon rubber - FKM (0,4 mm)

Polyvinyl chloride - PVC (0,5 mm)

· **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:**



Tightly sealed goggles

· **Body protection:** Use protective suit.

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** White flakes / pastilles (clear liquid when melted)

**Color:** White

· **Odor:** typical

· **Change in condition**

**Melting point/Melting range:** 56-60 °C

**Boiling point/Boiling range:** >249 °C

· **Flash point:** 173 °C

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

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

· **Auto igniting:** Product is not selfigniting.

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**Trade name: Ginol 18 (98 %) (Stearyl Alcohol) (Octadecan 1 Ol)**

|   |   |
|---|---|
| <b>· Danger of explosion:</b>                                     | Product does not present an explosion hazard. |
| <b>· Explosion limits:</b>  |   |
| <b>Lower:</b>   | 1 Vol %                                       |
| <b>Upper:</b>   | 8 Vol %                                       |
| <b>· Vapor pressure at 38 °C (100 °F):</b>                        | <0.01 mm Hg ( 38 °C)                          |
| <b>· Density):</b>  | 812 kg/m <sup>3</sup>                         |
| <b>· Solubility in / Miscibility with Water at 22 °C (72 °F):</b> | <1 mg/l (pH 5.5)                              |
| <b>· Partition coefficient (n-octanol/water):</b>                 | 7.4 log POW                                   |
| <b>· Viscosity:</b>   |   |
| <b>Dynamic at 100 °C (212 °F):</b>                                | 4.006 mm <sup>2</sup> /s                      |
| <b>· Other information</b>  | 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.
- **Conditions to avoid:** Avoid contact with incompatible materials
- **Incompatible materials:** Strong acids and Oxidizing agents.
- **Hazardous decomposition products:** Carbon monoxide and Carbon-di-oxide.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

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

|        |       |  |
|--------|-------|--|
| Oral   | LD50  | > 5000 mg/Kg (rat(Sprague-Dawley)male/female)                                |
| Dermal | LD 50 | 8000 mg/kg bw (Rabbit (New Zealand White) male/female) (RA CAS No. 112-72-1) |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Not sensitising
- **Other information (about experimental toxicology):**  
 Repeated dose toxicity (OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)  
 Species/Strain: rat/Sprague-Dawley  
 Sex: male/female  
 Route of administration: oral: gavage Duration of treatment / exposure: 28 days Doses/Concentrations: 0, 100, 500, 1000 mg/kg in olive oil Endpoint: NOAEL  
 Effect level: 1000 mg/kg bw/day (nominal)  
 Sex: male/female  
 Result: These effects are not considered of toxicological significance.
- **Sub acute to chronic toxicity:**  
 Toxicity to reproduction  
 Species/Strain: rat/ Wistar  
 Route of administration: Oral  
 Doses / concentrations:0, 1500, 7500 or 30,000 ppm (ca 0, 100, 500, 2000 mg/kg/bw/day) Endpoint :NOAEL  
 Generation: P

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**Trade name: Ginol 18 (98 %) (Stearyl Alcohol) (Octadecan 1 Ol)**

Sex: male/female

Effect level: 2000 mg/kg bw/day (nominal)

Result: Non toxic

· **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.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)** Substance is not listed.

· **NTP (National Toxicology Program)** Substance is not listed.

· **OSHA-Ca (Occupational Safety & Health Administration)** Substance is not listed.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

|            |                                  |
|------------|----------------------------------|
| EC50(48-h) | 1000 mg/L (Aquatic invertebrate) |
|            | 1700 mg/L (Aquatic invertebrate) |
| EL50(96-h) | > 10 mg/L (Aquatic bacteria)     |
| LC50(96-h) | 10000 mg/L (Fish)                |
| NOEC(21-d) | 0.98 mg/L (Aquatic invertebrate) |

· **Persistence and degradability** the substance is readily biodegradable in water.

· **Bio accumulative potential**

Bioaccumulation factor (Predicted)

value: 1,500

Result: The substance is non-bio accumulative

· **Mobility in soil:** Soil Adsorption Coefficient: 15000 (Estimated)

· **Additional ecological information:**

· **General notes:** Generally not hazardous for water

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not vPvB

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

## 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

The product should not get into any kind of water without treatment. Dissolved in water, the material is easily biodegradable (90%) and will not cause any disturbance in wastewater-treatment plants. Due to its low solubility in water, larger amounts need to be eliminated by separators, such as those used for fats and oils.

For paper production and textiles it is recommended that waste release from site be limited to 0.98 and 5 kg/day, respectively if on site biological treatment is not available.

· **Waste disposal key:** Can be incinerated, when in compliance with local regulations.

· **Uncleaned packagings:**

· **Recommendation:**

Disposal of small amounts of waste material to be done in accordance with federal, state and local environmental regulations.

Larger amounts should be collected as described in section 6 and used for recycling crude raw materials

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### 14 Transport information

|  |  |                 |
|--|--|-----------------|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> </ul>   | <ul style="list-style-type: none"> <li>· <b>DOT, ADR, ADN, IMDG, IATA</b></li> </ul>                         | Not applicable  |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> </ul>   | <ul style="list-style-type: none"> <li>· <b>DOT, ADR, ADN, IMDG, IATA</b></li> </ul>                         | Not applicable  |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> </ul>  | <ul style="list-style-type: none"> <li>· <b>DOT, ADR, ADN, IMDG, IATA</b></li> <li>· <b>Class</b></li> </ul> | Not applicable  |
| <ul style="list-style-type: none"> <li>· <b>Packing group</b></li> </ul>   | <ul style="list-style-type: none"> <li>· <b>DOT, ADR, IMDG, IATA</b></li> </ul>                              | Not applicable  |
| <ul style="list-style-type: none"> <li>· <b>Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> </ul>              | <ul style="list-style-type: none"> <li>· <b>Marine pollutant:</b></li> </ul>                                 | No              |
| <ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> </ul>  |  | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul> |  | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>  |  | -               |

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- **Section 355 (extremely hazardous substances):** Substance is not listed.
- **Section 313 (Specific toxic chemical listings):** Substance is not listed.
- **TSCA (Toxic Substances Control Act):** Substance is listed.
- **Proposition 65**
- **Chemicals known to cause cancer:** Substance is not listed.
- **Chemicals known to cause reproductive toxicity for females:** Substance is not listed.
- **Chemicals known to cause reproductive toxicity for males:** Substance is not listed.
- **Chemicals known to cause developmental toxicity:** Substance is not listed.
  
- **Carcinogenic categories**
- **EPA (Environmental Protection Agency)** Substance is not listed.
- **TLV (Threshold Limit Value established by ACGIH)** Substance is not listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)** Substance is not listed.
  
- **Product related hazard information:**  
 The substance is not subject to classification according to the sources of literature known to us.  
 Observe the general safety regulations when handling chemicals.
  
- **National regulations:**
  
- **Other regulations, limitations and prohibitive regulations**  
 US-TSCA - Listed  
 Japan MITI - Listed  
 New Zealand (NZioC) - Listed  
 Australian Inventory of Chemical Substances (AICS) - Listed  
 Philippine Inventory of Chemicals and Chemical Substances (PICCS) - Listed  
 China (IECSC) - Listed

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## 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:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the

International Transport of Dangerous

Goods by Rail) ICAO: International Civil

Aviation Organisation

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 CAS: Chemical Abstracts Service (division

of the American Chemical Society) 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>

ECHA-registered substances

[http://apps.echa.europa.eu/registered/data/dossiers/DISS-9c7e368e-0303-556e-e044-00144f67d249/AGGRbcc55acc-](http://apps.echa.europa.eu/registered/data/dossiers/DISS-9c7e368e-0303-556e-e044-00144f67d249/AGGRbcc55acc-b1db-4f9a-b999-6a91379f9bd9)

[b1db-4f9a-b999-6a91379f9bd9](http://apps.echa.europa.eu/registered/data/dossiers/DISS-9c7e368e-0303-556e-e044-00144f67d249/AGGRbcc55acc-b1db-4f9a-b999-6a91379f9bd9) DISS-9c7e368e-0303-556e-e044-00144f67d249.htmlL-45fa8d15-

[794f-4598-83a1-c0b761e1c2b9](http://apps.echa.europa.eu/registered/data/dossiers/DISS-9c7e368e-0303-556e-e044-00144f67d249/AGGRbcc55acc-b1db-4f9a-b999-6a91379f9bd9)

PBT profiler

<http://www.pbtprofiler.net/Results.as>

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

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

Section 2: Hazard identification

Section 3: Composition /Information on Ingredients

Section 4: First-aid measures

Section 5: Fire-fighting measures

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Section 7: Handling and storage.

Section 8: Exposure Controls/Personal protection.

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Section 11: Toxicological Information.

Section 12: Ecological Information.

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