

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

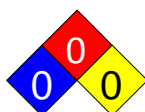
Phone: (91-22) 2518 8010 / 2518 8020 / 2518 8030 extn: 4768 Fax: (91-22) 2518 8063 / 2518 8065
Rev. 02 e-mail: rv.dubhashi@godrejinds.com Effective Date 01/04/2019

1 Identification

- **Trade name:** Ginol 1618 PS (Ceto Stearyl Alcohol)
Chemical Name-Cetostearyl Alcohol
- **CAS Number:**
67762-27-0
- **EC number:**
267-008-6
- **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)**

HEALTH	0
FIRE	0
REACTIVITY	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**
67762-27-0 Alcohols, C16-18
- **Identification number(s)**
- **EC number:** 267-008-6
- **Additonal information:**
Moleculr formula :C18-H38-O.& C16-H34-O
Composition of Ginol 1618 PS-

S.No.	Name of Alcohol	Amount in %
1	Cetyl alcohol (C16)	55-65%
2	Strearyl alcohol (C18)	35-45%

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Special First Aid training required.
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
- **After inhalation:** Take affected persons into fresh air and keep quiet.
- **After skin contact:** Wash affected skin with soap and water.
- **After eye contact:** Flush immediately with plenty of water for at least 15 min. Contact doctor.
- **After swallowing:** Rinse mouth with water and get medical attention immediately.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** Treat symptomatically

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
Wear suitable protective clothing to avoid contact with skin.
Dust generated from flaked product will become combustibile at sufficient concentration

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 to reach sewage system or any water course.

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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.

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

1) Handle in accordance with good hygiene and safety procedures.

2) Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

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

4) Avoid prolonged or repeated exposure and wash thoroughly after handling.

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

Conditions for safe storage, including any incompatibilities- Ambient conditions

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: Keep container closed.

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

8 Exposure controls/personal protection

Control parameters

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:

Availability of NIOSH- / MSHA-approved respirator, although not required for normal use.

Protection of hands:



Protective gloves

Material of gloves PVC or Rubber gloves

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· **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:	48 to 55 °C
Boiling point/Boiling range:	310 to 360 °C (590 to 680 °F)

· **Flash point:** Ca 170 °C (Ca 338 °F)

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

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

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

· **Vapor pressure at 22 °C (72 °F):** 0.1mm

· **Density at 60 °C (140 °F):** 0.81 g/cm³ (6.759 lbs/gal)

· **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with**

Water: despreciable

· **Viscosity:**

Dynamic: Not applicable.

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

10 Stability and reactivity

· **Reactivity**

· **Chemical stability** Product is chemically stable.

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

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

· **Conditions to avoid** Incompitable materials

· **Incompatible materials:** Strong oxidising agents, strong acids

· **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

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11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

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

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	8000 mg/kg (rabbit) ((24 hours occluded) read-across)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** No irritating effect.

- **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.

- **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)	1666 mg/l (Daphnia Magna (Water Flea))
EC50(96-h)	235 mg/l (Green Algae)
LC50(96-h)	> 1000 mg/l (bluegill sunfish)

- **Persistence and degradability**

Biodegradation in water:

Half life:15 days(predicted)

Result:Readily biodegradable

- **Bioaccumulative potential**

Bioaccumulation factor:540(Predicted)

Result:Non-bioaccumulating

- **Mobility in soil** Soil Adsorption Coefficient =4700 (Estimated)

- **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**

The product should not get into any kind of water without treatment. Dissolved in water, the material is easily biodegradeable (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.

- **Recommendation:**

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- 1) Disposal of small amounts of waste material to be done in accordance with federal, state and local environmental regulations
- 2) Larger amounts should be collected as described in section 6 and used for recycling crude raw materials.
- 3) For paper production and textiles it is recommended that waste release from site be limited to 0.98 and 5kg/day (C18) and/or 1.3 and 4 kg/day (C16), respectively if on site biological treatment is not available

- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

14 Transport information

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

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 informations:**
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**
EU - European Inventory of Existing Commercial Substances (EINECS)-Listed
Japan MITI - Listed
New Zealand (NZioC) - Listed

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Australian Inventory of Chemical Substances (AICS) - Listed
 Philippine Inventory of Chemicals and Chemical Substances (PICCS) - Listed
 China (IECSC) - Listed
 Environmental Canada(DSL):Listed

• **Chemical safety assessment:**

A Chemical Safety Assessment shall be carried out at the time of REACH Registration.

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. **022-25194611**

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>

• **PBT profiler**

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

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• **Data from Godrej Industries Limited-MSDS for CAS No.67762-27-0**

• **MSDS by science lab:**

<http://www.sciencelab.com/msds.php?msdsId=9923362>

• **Chemidplus**

<http://chem.sis.nlm.nih.gov/chemidplus/rn/67762-27-0>

• **MSDS by GlaxoSmithKline US**

<http://www.godrejindustries.com/india/urlsa=t&rct=j&q=&esrc=s&source=web&cd=6&cad=rja&uact=8&ved=0CD0QFjAF&url=http%3A%2F%2Fwww.godrejindustries.com%2FGetSdsFile.ashx%3Ffi%3D5312&ei=UopUVZCbH9OGuATxn4HgDQ&usg=AFQjCNFfp0v8OqwigaANORLjYQnNSCeA&bvm=bv.93112503,d.c2E>

• *** Data compared to the previous version altered.**

• **Section 1: Identification of substance and of company undertaking**

• **Section 3: Composition/Information on ingredient**

• **Section 4: First aid measures**

• **Section 5: Fire fighting measures**

• **Section 6: Accidental Release measures**

• **Section 7: Handling and storage**

• **Section 8: Exposure control/Personal protection**

• **Section 9: Physical and chemical properties**

• **Section 10: Stability and reactivity**

• **Section 11: Toxicological information**

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- Section 12:Ecological information
- Section 13:Disposal consideration
- Section 15:Regulatory information
- Section 16:Other information