

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

Phone: (91-22) 2518 8010 / 2518 8020 / 2518 8030 extn: 4768 Fax: (91-22) 2518 8096 / 2518 8068

Printing date 08/10/2015

e-mail: rv.dubhashi@godrejinds.com

Reviewed on 08/10/2015

1 Identification

- **Trade name: Ginol 1214**
- **CAS Number:**
67762-41-8
- **EC number:**
267-019-6
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Cleaning/washing agents and additives. Surface-active agents
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Godrej Industries Ltd.
Plot No 3, Village Kanerao, Taluka Valia , District Bharuch, Gujarat, India,
Pin: 393135
- **Information department:**
Mr. Hemant Sawant hemant.sawant@godrejinds.com
T: 91-2643 270756 / 57 / 58 / 59 / 60 Office hours only (08.30 – 17.00 hours GMT +4.5 hours)
F: 91-2643 270018
- **Emergency telephone number:** Please provide
Contact details of importer
Emergency telephone number: 9909028240, 9820607143,
9820305315
Telephone number of importer:
Opening hours:
Other Comments (e.g. language(s) of the phone service): English

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS09 Environment

Aquatic Acute 1 H400 Very toxic to aquatic life.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- **Label elements**
- **GHS label elements**
The substance is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms**



GHS07 GHS09

· **Signal word** Warning

· **Hazard statements**

Causes skin irritation.

Very toxic to aquatic life.

· **Precautionary statements**

Wear protective gloves.

Avoid release to the environment.

Wash thoroughly after handling.

Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

If on skin: Wash with plenty of water.

Collect spillage.

Take off contaminated clothing and wash it before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 1

Fire = 1

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 1

Fire = 1

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**

67762-41-8 Alcohols, C10-16

· **Identification number(s)**

· **EC number:** 267-019-6

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· **Additional information:** No further relevant information available.

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

· **After skin contact:**

Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash clothing before reuse.

· **After eye contact:**

Flush eyes with plenty of water for at least 15 minutes. If irritation develops consult doctor.

· **After swallowing:**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

· **Information for doctor:** Treat symptomatically and supportively.

· **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:** Carbon dioxide, dry chemical powder or appropriate foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards arising from the substance or mixture**

No further relevant information available.

· **Advice for firefighters**

· **Protective equipment:**

Wear self-contained breathing apparatus and fully protective clothing to prevent contact with skin and eyes.

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

6 Accidental release measures

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

Ensure adequate ventilation

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

· **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

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- **Methods and material for containment and cleaning up:**
Absorb on sand and place in a closed container for waste disposal.
Leak-and-spill procedures Maintain liquid trapping sumps and enclosures to collect large amount of spillage. This could be recycled to the crude storage tanks.
- **Reference to other sections**
See Section 13 for disposal information.
See Section 8 for information on personal protection equipment.
See Section 7 for information on safe handling.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Avoid contact with skin, eyes and clothing.
Wash thoroughly after handling.
Handle with good hygiene and safety procedures. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
- **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:**
Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** Cleaning/washing agents and additives. Surface-active agents

8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The substance does not have critical values that have to be monitored at the workplace.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Provide good ventilation and /or an exhaust system in the work area.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Breathing equipment:** NIOSH / MSHA-approved respirator recommended, if required

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· **Protection of hands:**



Protective gloves

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

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

· **Material of gloves** Rubber gloves.

· **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:** Protective work clothing

9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

Clear liquid at 30 °C

· **Form:**

Liquid

· **Color:**

Colorless

· **Odor:**

No data

· **pH-value:**

Not determined.

· **Change in condition**

· **Melting point/Melting range:**

17-23 °C (63-73 °F) (Solidification point)

· **Boiling point/Boiling range:**

255-295 °C (491-563 °F)

· **Flash point:**

140 °C (284 °F) (calculated)

· **Flammability (solid, gaseous):**

Not applicable as the state is different.

· **Auto igniting:**

Auto ignition temperature: 250 °C

· **Danger of explosion:**

Product does not present an explosion hazard.

· **Vapor pressure at 20 °C (68 °F):**

0.1 mm

· **Density at 20 °C (68 °F):**

0.831 g/cm³ (6.935 lbs/gal)

· **Vapour density**

7.4

· **Solubility in / Miscibility with**

· **Water at 20 °C (68 °F):**

2.9 mg/l

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· **Partition coefficient (n-octanol/water):** 4.8 log POW

· **Viscosity:**

Dynamic at 38 °C (100 °F): 10 mPas

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

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **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** Heat, flame and other sources of ignition
- **Incompatible materials:** Strong oxidising agents; strong acids
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

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

Dermal	LD50	> 2000 mg/kg bw (rat)
Oral	LD50	> 10000 mg/kg bw (rat)

· **Primary irritant effect:**

· **on the skin:**

Method: Draize Test

Species: rabbit

Remark: Additional reading was taken at 7 days. Irritation persisted for 7 days with a slight decrease in erythema but an increase in oedema. The skin was reported as thickened, ridged and flaky.

Result: moderately irritating

· **on the eye:**

Species: rabbit

Method: Draize Test

Remark: 24, 48, 72 h mean scores scores all 0

Result: not irritating

· **Sensitization:**

The substance was found to be not sensitising in Guinea pig maximisation test.

· **Other information (about experimental toxicology):**

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Type: Ames test

System of testing: TA98, TA100, TA1535, TA1537, TA1538

Concentration: 0, 0.2, 2, 20, 200, 2000 mcg/plate

Metabolic activation: with and without

Result: negative

· **Subacute to chronic toxicity:**

A 28-day oral repeated-dose toxicity study with CASRN 67762-41-8 (C10-16) administration in rats shows decreased body weight gain (10%) in males and liver effects (increased alanine transaminase, alkaline phosphatase and cholesterol) in females at 1000 mg/kg-day. The NOAEL for systemic toxicity is 300 mg/kg-day.

· **Additional toxicological information:**

· **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 (48hr)	0.21 - 0.49 mg/L (<i>Daphnia magna</i>) (calculated)
EL50 (72hr)	0.1 - 0.3 mg/L (<i>Raphidocelis subcapitata</i> (Algae))
LC50	0.52 - 2.6 mg/l (Fish) (calculated)

· **Persistence and degradability**

The substance degraded >60% over the test period and the 10-day windows criterion was met, therefore the substance is considered to be readily biodegradable.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** The product is not expected to be bioaccumulative.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Very toxic for fish

· **Additional ecological information:**

· **General notes:**

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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

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13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Dispose off waste material according to local, state and federal regulations.

· **Waste disposal key:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations

· **Uncleaned packagings:**

· **Recommendation:**

Dispose of as unused product.

Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**

· **DOT, ADR, IMDG**

UN3082

· **UN proper shipping name**

· **DOT**

Environmentally hazardous substances, liquid, n.o.s. (Alcohols, C10-16)

· **ADR**

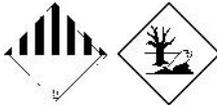
3082 Environmentally hazardous substances, liquid, n.o.s. (Alcohols, C10-16)

· **IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alcohols, C10-16), MARINE POLLUTANT

· **Transport hazard class(es)**

· **DOT, ADR, IMDG, IATA**



· **Class**

9 Miscellaneous dangerous substances and articles

· **Label**

9

· **Packing group**

· **DOT, ADR, IMDG, IATA**

III

· **Environmental hazards:**

· **Marine pollutant:**

Yes (P)

Symbol (fish and tree)

· **Special marking (ADR):**

Symbol (fish and tree)

· **Special marking (IATA):**

Symbol (fish and tree)

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<ul style="list-style-type: none"> · Special precautions for user · Danger code (Kemler): 	<p>Warning: Miscellaneous dangerous substances and articles</p> <p>90</p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p>Not applicable.</p>
<ul style="list-style-type: none"> · Transport/Additional information: · DOT · Quantity limitations · Remarks: 	<p>On cargo aircraft only: No limit On passenger aircraft/rail: No limit</p> <p>Special marking with the symbol (fish and tree).</p>
<ul style="list-style-type: none"> · ADR · Excepted quantities (EQ) 	<p>Code: E1</p> <p>Maximum net quantity per inner packaging: 30 ml</p> <p>Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) 	<p>5L</p>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<p>UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (ALCOHOLS, C10-16), 9, III</p>

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.

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· **GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07 GHS09

· **Signal word** Warning

· **Hazard statements**

Causes skin irritation.

Very toxic to aquatic life.

· **Precautionary statements**

Wear protective gloves.

Avoid release to the environment.

Wash thoroughly after handling.

Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

If on skin: Wash with plenty of water.

Collect spillage.

Take off contaminated clothing and wash it before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **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:**

Telephone: 91-22-518 80-10 / 20 / 30

Fax: 91-22-518 80-69 / 96 / 81

· **Date of preparation / last revision** 08/10/2015

· **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)

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

ICAO: International Civil Aviation Organisation

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

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

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IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

P: Marine Pollutant

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

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

• **Sources**

- Occupational Safety & Health Administration (OSHA)

<https://www.osha.gov/Publications/OSHA3514.html>

- U.S. EPA December Hazard Characterization Document

<http://www.expub.com/Members/DocumentViewer.aspx?key=8516122&pc=172281D091B640f39AAA7AD75B2E04C6&st=>

- IUCLID Dataset

<http://www.expub.com/Members/DocumentViewer.aspx?key=6021644&pc=172281D091B640f39AAA7AD75B2E04C6&st=>

- OECD SIDS 2

<http://www.expub.com/Members/DocumentViewer.aspx?key=9632272&pc=172281D091B640f39AAA7AD75B2E04C6&st=>

- http://www.nicnas.gov.au/___data/assets/pdf_file/0019/6661/NICNAS_AHVICL_2006_PDF.pdf

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

Section 1: Identification of substance and company

Section 2: Hazard(s) identification

Section 3: composition/information of ingredients

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 9: Physical and Chemical properties.

Section 10: Stability and Reactivity.

Section 11: Toxicological Information.

Section 12: Ecological Information.

Section 13: Disposal consideration.

Section 15: Regulatory information.

Section 16: other Information