

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 08/05/2015

e-mail: rv.dubhashi@godrejinds.com

Reviewed on 08/05/2015

## 1 Identification

· **Trade name:** Ginol 12

· **CAS Number:**

112-53-8

· **EC number:**

203-982-0

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

No further relevant information available.

· **Application of the substance / the mixture**

Used in the manufacture of Personal care products and Household Detergents.

· **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:**

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.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Eye Irrit. 2A

H319 Causes serious eye 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 serious eye irritation.

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

Wear eye protection / face protection.

Avoid release to the environment.

Wash thoroughly after handling.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Collect spillage.

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**

112-53-8 dodecan-1-ol

· **Identification number(s)**

· **EC number:** 203-982-0

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· **Additional information:**

Molecular formula: C<sub>12</sub>H<sub>26</sub>O

Molecular weight: 186.33

Purity: 98% & 99%.

## 4 First-aid measures

· **Description of first aid measures**

· **After inhalation:**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Generally the product does not irritate the skin.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Do not induce vomiting

Never give anything by mouth to an unconscious person. Rinse mouth with water.

If symptoms persist consult doctor.

· **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:**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Use firefighting measures that suit the environment.

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

Combustion generates toxic fumes of carbon oxides.

· **Advice for firefighters**

· **Protective equipment:**

Wear self-contained breathing apparatus for firefighting if necessary.

## 6 Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

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- **Environmental precautions:**  
*Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.*
- **Methods and material for containment and cleaning up:**  
*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Keep in suitable, closed containers for disposal.*
- **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

- **Handling:**
- **Precautions for safe handling**  
*Ensure good ventilation/exhaustion at the workplace.  
No special precautions are necessary if used correctly.*
- **Information about protection against explosions and fires:**  
*Normal measures for preventive fire protection.*
- **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 Strong oxidising agents; strong acids, acid chlorides, acid anhydrides.*
- **Further information about storage conditions:**  
*Keep receptacle tightly sealed.  
Suitable storage material: SS tank / laquor-lined MS drums / HDPE drums.*
- **Specific end use(s)**  
*Used in the manufacture of Personal care products and Household Detergents.*

## 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:** *Not required.*
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** *Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.*

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Avoid contact with the eyes and skin.

· **Breathing equipment:**

No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a combined filter (e.g. 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.

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**

Nitrile rubber, NBR

Butyl rubber, BR

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.

Unsuitable glove material: Natural rubber/ natural latex

· **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.

Nitrile rubber/ nitrile latex; Break through time:  $\geq 480$  min; Material thickness: 0.35 mm

Butyl-rubber; Break through time:  $\geq 480$  min; Material thickness: 0.5 mm

· **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:**

**Form:** Liquid

**Color:** Clear

· **Odor:** Characteristic

· **pH-value:** Not determined.

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<b>· Change in condition</b>	
<b>Melting point/Melting range:</b>	19-24 °C (66-75 °F)
<b>Boiling point/Boiling range:</b>	250-270 °C (482-518 °F)
<b>· Flash point:</b>	Ca 140 °C (Ca 284 °F)
<b>· Flammability (solid, gaseous):</b>	Not applicable.
<b>· Ignition temperature:</b>	259 °C (498 °F)
<b>· Auto igniting:</b>	Product is not self-igniting.
<b>· Danger of explosion:</b>	Product does not present an explosion hazard.
<b>· Vapor pressure at 20 °C (68 °F):</b>	0.1 mm
<b>· Density at 30 °C (86 °F):</b>	0.815 - 0.825 g/cm <sup>3</sup> (6.801 - 6.885 lbs/gal)
<b>· Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
<b>· Partition coefficient (n-octanol/water) at 23 °C (73 °F):</b>	5.4 log POW
<b>· Viscosity:</b>	
<b>Kinematic at 40 °C (104 °F):</b>	11.251 mm <sup>2</sup> /s (static)
<b>· Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** Stable at ambient temperature and under normal conditions of use.
- **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** No further relevant information available.
- **Incompatible materials:**  
Strong oxidising agents; strong acids, acid chlorides, acid anhydrides
- **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:**

Oral	LD50	> 2000 mg/kg bw (rat)
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Dermal	LD50	8000 -12000 mg/kg bw (rabbit)
Inhalative	LC50 (6hr)	> 1.05 mg/L air (rat)

· **Primary irritant effect:**

· **on the skin:**

No irritant effect.

Undiluted test substance did not produce any skin irritation in human volunteers following a 4 hour semi-occlusive exposure in a test based on OECD 404.

· **on the eye:**

Irritating effect.

Eye irritation test was carried out in rabbits as per OECD Guideline 405.

Mild to moderate erythema of the palpebral and bulbar conjunctivae , mild to moderate chemosis, mild mucoid discharge and a mild to moderate corneal opacity involving one-fourth to three-fourths of the corneal surface. By 72 hours, all test eyes showed improvement in the parameters of irritation in all but one animal.

· **Sensitization:**

The substance was found to be not sensitizing in Guinea pig maximization test.

· **Subacute to chronic toxicity:**

Repeated Dose Toxicity: Oral

In a repeated dose study conducted to the draft OECD guideline 422, an NOAEL for systemic toxicity of 2000 mg/kg/day (highest dose tested) was determined in male rats in the absence of toxicologically significant effects at any dose level.

· **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)	0.765 mg/L (Daphnia magna)
EC50 (72hr)	0.66 mg/L (Scenedesmus subspicatus (green algae))
LC50 (96hr)	1.01 mg/L (Fish Pimephales promelas)

· **Persistence and degradability** The product is Readily biodegradable.

· **Behavior in environmental systems:**

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

· **Mobility in soil**

An adsorption coefficient of 17980 l/kg was determined indicating that it is non-mobile in soil.

· **Ecotoxic effects:**

· **Remark:**

Very toxic for fish

Toxic for fish

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- **Additional ecological information:**
- **General notes:**  
*Water hazard class 2 (Assessment by list): hazardous for water*  
*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*  
*Also poisonous for fish and plankton in water bodies.*  
*Very toxic for aquatic organisms*  
*Toxic for aquatic organisms*
- **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:** *Can be incinerated, when in compliance with local regulations.*
- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*

### 14 Transport information

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>DOT, ADR, IATA</b></li> <li>· <b>IMDG</b></li> </ul>   | <p style="margin-left: 20px;">UN3082</p> <p style="margin-left: 20px;">Void</p>   |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>DOT</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul> | <p style="margin-left: 20px;"><i>Environmentally hazardous substances, liquid, n.o.s. (dodecan-1-ol)</i></p> <p style="margin-left: 20px;"><i>3082 Environmentally hazardous substances, liquid, n.o.s. (dodecan-1-ol)</i></p> <p style="margin-left: 20px;">Void</p> <p style="margin-left: 20px;"><b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dodecan-1-ol)</b></p> |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>DOT, ADR, IATA</b></li> </ul>   | <div style="display: flex; align-items: center; gap: 10px;">   </div>   |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>   | <p style="margin-left: 20px;"><i>9 Miscellaneous dangerous substances and articles</i></p> <p style="margin-left: 20px;">9</p>  |

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<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Class</b></li> </ul>	<p style="text-align: center;">Void</p>
<ul style="list-style-type: none"> <li>· <b>Packing group</b></li> <li>· <b>DOT, ADR, IATA</b></li> <li>· <b>IMDG</b></li> </ul>	<p style="text-align: center;">III</p> <p style="text-align: center;">Void</p>
<ul style="list-style-type: none"> <li>· <b>Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> <li>· <b>Special marking (ADR):</b></li> <li>· <b>Special marking (IATA):</b></li> </ul>	<p style="text-align: center;">Yes (DOT)</p> <p style="text-align: center;">Symbol (fish and tree)</p> <p style="text-align: center;">Symbol (fish and tree)</p>
<ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> <li>· <b>Danger code (Kemler):</b></li> </ul>	<p style="text-align: center;">Warning: Miscellaneous dangerous substances and articles</p> <p style="text-align: center;">90</p>
<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>	<p style="text-align: center;">Not applicable.</p>
<ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> <li>· <b>DOT</b></li> <li>· <b>Quantity limitations</b></li> <li>· <b>Remarks:</b></li> </ul>	<p style="text-align: center;">On passenger aircraft/rail: No limit</p> <p style="text-align: center;">On cargo aircraft only: No limit</p> <p style="text-align: center;">Special marking with the symbol (fish and tree).</p>
<ul style="list-style-type: none"> <li>· <b>ADR</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	<p style="text-align: center;">Code: E1</p> <p style="text-align: center;">Maximum net quantity per inner packaging: 30 ml</p> <p style="text-align: center;">Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>	<p style="text-align: center;">UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (DODECAN-1-OL), 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.

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- **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.
- **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 serious eye irritation.  
Very toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.
- **Precautionary statements**  
Wear eye protection / face protection.  
Avoid release to the environment.  
Wash thoroughly after handling.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
Collect spillage.  
Dispose of contents/container in accordance with local/regional/national/international 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:**  
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Fax: (91-22) 2518 8096 / 2518 8068  
e-mail: rv.dubhashi@godrejinds.com
- **Date of preparation / last revision** 08/05/2015 / -

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• **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 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

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

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

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

• **Sources**

- Occupational Safety & Health Administration (OSHA)

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

- Data from published dossier on ECHA website for CAS: 112-53-8

[http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d9eb6ee-edbf-5a2e-e044-00144f67d249](http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d9eb6ee-edbf-5a2e-e044-00144f67d249/DISS-9d9eb6ee-edbf-5a2e-e044-00144f67d249) DISS-9d9eb6ee-edbf-5a2e-e044-00144f67d249.html

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

- Section 1: Identification
- Section 2: Hazard(s) identification
- Section 3: Composition/information on 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 10: Stability and Reactivity.
- Section 11: Toxicological Information.
- Section 12: Ecological Information.
- Section 13: Disposal consideration
- Section 14: Transport Information
- Section 15: Regulatory Information
- Section 16: Other Information