

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

Phone: (91-22) 2518 8010 / 2518 8020 / 2518 8030 extn: 4611 Fax: (91-22) 2518 8063 / 2518 8065  
Rev 02

e-mail: sp.sadanand@godrejinds.com

Effective Date 01/04/2019

## 1 Identification

- **Trade name:** *Ginopol 24 G (Sulfuric Acid C12I4 Alkyl Ester Sodium Salt)*
- **CAS Number:**  
85586-07-8
- **EC number:**  
287-809-4
- **Relevant identified uses of the substance or mixture and uses advised against**  
*No further relevant information available.*
- **Application of the substance / the mixture**  
*Used as Surfactant in formulations, for use in the making of personal wash and oral care products (soap, low viscosity cleansers and body care products). Other cleansing applications include laundry, institutional and industrial detergents. Also used as an emulsifier / dispersant / wetting agent / processing aid in pharmaceuticals (excipient), as well as other industrial applications in construction chemicals, fertilizers and pesticide formulations.*
- **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 SP Sadanand, Email: sp.sadanand@godrejinds.com**  
**Tel No.: 022- 25194611**  
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**



GHS05 Corrosion

Eye Dam. 1      H318 Causes serious eye damage.



GHS07

Acute Tox. 4      H302 Harmful if swallowed.

Skin Irrit. 2      H315 Causes skin irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **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 product has been classified and marked in accordance with directives on hazardous materials.*

- **Safety phrases:**

*Wear suitable protective clothing.*

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- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **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**  
, 85586-07-8 Sulfuric Acid C1214 Alkyl Ester Sodium Salt
- **Identification number(s)**
- **EC number:** 205-788-1
- **Additional information:**  
Molecular formula:  $C_nH_{2n+2}O_4S.Na$  where  $n = C12$  and  $C14$   
Molecular weight: 300  
Purity: 95 %
- **SVHC** The substance is not in the list of SVHC substances

### 4 First-aid measures

- **Description of first aid measures**
- **General information:**  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:** Do not inhale dust. Move to fresh air.
- **After skin contact:**  
Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.
- **After eye contact:**  
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.
- **After swallowing:** Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.
- **Most important symptoms and effects, both acute and delayed**  
Skin and eye irritant. Gastric irritant if swallowed.
- **Indication of any immediate medical attention and special treatment needed**  
Symptomatic treatment and supportive therapy as indicated. Following severe exposure the patient should be kept under medical review for at least 48 hours.

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## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** foam, extinguishing powder, carbon dioxide, water spray jet
- **For safety reasons unsuitable extinguishing agents:** No data
- **Special hazards arising from the substance or mixture** Oxides of Sulphur & Carbon
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus and chemical-protective clothing.
- **Additional information** No further relevant information available.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Avoid contact with skin and eyes.
- **Environmental precautions:** Do not empty into drains / surface water / ground water.
- **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. Dispose of contents/container in accordance with local/regional/national/international regulation
- **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. Wear chemical safety goggles, rubber boots and heavy rubber gloves. Do not breathe dust, and avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure and wash thoroughly after handling.
- **Information about protection against explosions and fires:** Avoid open flames.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Keep container tightly sealed. At ambient Temp (about 40 °C)
- **Information about storage in one common storage facility:**  
Store in a cool, dry, well-ventilated area away from incompatible substances.
- **Further information about storage conditions:** Protect from contamination.
- **Specific end use(s)**  
Formulation and use of cosmetics, fine fragrances, soap, cosmetic cleansers, low viscosity liquids and body care products. Industrial use and formulation in construction chemicals, fertilizers, dispersion products, processing aids. Laundry products and detergents.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.

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- **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.  
 Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **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**  
 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.
- **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:** suitable protective clothing

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

- |                      |                    |
|----------------------|--------------------|
| · <b>Appearance:</b> | Solid              |
| · <b>Form:</b>       | <b>Granules</b>    |
| · <b>Color:</b>      | White to off-white |
| · <b>Odor:</b>       | Odorless           |

- |                    |                |
|--------------------|----------------|
| · <b>pH-value:</b> | 9.1 (conc. 1%) |
|--------------------|----------------|

#### · Change in condition

- |                                       |                              |
|---------------------------------------|------------------------------|
| · <b>Melting point/Melting range:</b> | 205 °C (401 °F)              |
| · <b>Boiling point/Boiling range:</b> | 216 °C (421 °F) (calculated) |

- |                       |   |
|-----------------------|---|
| · <b>Flash point:</b> | 180 °C °C (356 °C °F) (calculated (granules)) |
|-----------------------|---|

- |   |                           |
|---|---------------------------|
| · <b>Flammability (solid, gaseous):</b> | Product is not flammable. |
|---|---------------------------|

- |                               |   |
|-------------------------------|---|
| · <b>Danger of explosion:</b> | Product does not present an explosion hazard. |
|-------------------------------|---|

- |   |          |
|---|----------|
| · <b>Vapor pressure at 20 °C (68 °F):</b> | ≤0.18 Pa |
|---|----------|

- |                                    |                    |
|------------------------------------|--------------------|
| · <b>Density at 20 °C (68 °F):</b> | 0.65 to 0.80 gm/cc |
|------------------------------------|--------------------|

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- |   |  |
|---|--|
| · <b>Solubility in / Miscibility with Water at 20 °C (68 °F):</b> | > 130 g/l                                  |
| · <b>Partition coefficient (n-octanol/water):</b>                 | ≤ -2.03 log POW                            |
| · <b>Viscosity:</b>   |  |
| · <b>Dynamic:</b>   | Not applicable.                            |
| · <b>Other information</b>  | No further relevant information available. |

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**  
The product will be stable for 1 year in the original sealed bag, under the storage conditions in 7.2.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Strong oxidising agents; strong acids
- **Incompatible materials:** The product may react with oxidising and strongly acidic substances
- **Hazardous decomposition products:** The product may yield oxides of sulphur & carbon
- **Additional information:** No further relevant information available.

## 11 Toxicological information

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

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

Oral	LD50	1200 mg/kg (rat(Wistar)male/female)
		1288 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** Irritating to rabbit skin at 0.5 ml of concentration; not fully reversible after 72 hours.
- **on the eye:** Irritating to rabbit eye at 0.1 ml of concentration.
- **Sensitization:** No sensitizing effects known.
- **Subacute to chronic toxicity:**  
No target organs identified following repeat administration at 100 mg/kg/day, higher doses associated with mucosal irritation
- **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 (72 h)	46.4 mg/L ( <i>Selenastrum capricornutum</i> (Algae))
LC50 (24 h)	13.2 mg/L ( <i>Daphnia magna</i> )
LC50 (96 h)	29 mg/L ( <i>Fathead Minnow</i> )

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**Trade name:** *Ginopol 24 G (Sulfuric Acid C12I4 Alkyl Ester Sodium Salt)*

· **Persistence and degradability**

*Biodegradation in water:*

*%Degr.95*

*Parameter: CO2 evolution*

*Sampling time: 28 d*

*Result: Readily Biodegradable*

· **Bioaccumulative potential** *Estimated BCF of the substance is 71 indicating that it is non bioaccumulative.*

· **Mobility in soil**

*An estimated Koc value of  $1.0 \times 10^4$  determined from a structure estimation method, indicates that sodium lauryl sulfate is expected to be immobile in soil.*

· **Additional ecological information:**

· **General notes:**

*Water hazard class 2 (Assessment by list): hazardous for water*

*Do not allow product to reach ground water, water course or sewage system.*

*Danger to drinking water if even small quantities leak into the ground.*

· **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:** *Waste incineration or disposal with the approval of the responsible local authority.*

· **Uncleaned packagings:**

· **Recommendation:** *Disposal must be made according to official regulations.*

· **Recommended cleansing agent:** *No data*

## 14 Transport information

· **UN-Number**

· **DOT, ADR, ADN, IMDG, IATA** *Not applicable.*

· **UN proper shipping name**

· **DOT, ADR, ADN, IMDG, IATA** *Not applicable.*

· **Transport hazard class(es)**

· **DOT, ADR, ADN, IMDG, IATA**

· **Class** *Not applicable.*

· **Packing group**

· **DOT, ADR, IMDG, IATA** *Not applicable.*

· **Environmental hazards:**

· **Marine pollutant:** *No*

· **Special precautions for user**

*Not applicable.*

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

*Not applicable.*

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. UN "**Model Regulation**": Not applicable.

## 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 product has been classified and marked in accordance with directives on hazardous materials.
- . **Safety phrases:**  
Wear suitable protective clothing.
- . **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

## 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. SP Sadanand**  
Akshay Bhavsar  
Tel no. **022-25194611**  
Email: sp.sadanand@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

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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

Acute Tox. 4: Acute toxicity, Hazard Category 4

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

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

• **Sources**

- Occupational Safety & Health Administration (OSHA)

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

- HSDS data [http://www.expub.com/Members/](http://www.expub.com/Members/DocumentViewer.aspx?key=4614987&pc=172281D091B640f39AAA7AD75B2E04C6&st=)

[DocumentViewer.aspx?key=4614987&pc=172281D091B640f39AAA7AD75B2E04C6&st=](http://www.expub.com/Members/DocumentViewer.aspx?key=4614987&pc=172281D091B640f39AAA7AD75B2E04C6&st=)

- RTECS data [http://www.expub.com/Members/](http://www.expub.com/Members/DocumentViewer.aspx?key=6839015&pc=172281D091B640f39AAA7AD75B2E04C6&st=)

[DocumentViewer.aspx?key=6839015&pc=172281D091B640f39AAA7AD75B2E04C6&st=](http://www.expub.com/Members/DocumentViewer.aspx?key=6839015&pc=172281D091B640f39AAA7AD75B2E04C6&st=)

- ECOTOX Aquire data [http://www.expub.com/Members/](http://www.expub.com/Members/DocumentViewer.aspx?key=9651447&pc=172281D091B640f39AAA7AD75B2E04C6&st=)

[DocumentViewer.aspx?key=9651447&pc=172281D091B640f39AAA7AD75B2E04C6&st=](http://www.expub.com/Members/DocumentViewer.aspx?key=9651447&pc=172281D091B640f39AAA7AD75B2E04C6&st=)

- ECHA Dossier

[http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d80a3c6-17a5-3287-e044-00144f67d249/DISS-](http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d80a3c6-17a5-3287-e044-00144f67d249/DISS-9d80a3c6-17a5-3287-e044-00144f67d249)

[9d80a3c6-17a5-3287-e044-00144f67d249 DISS-9d80a3c6-17a5-3287-e044-00144f67d249.html](http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d80a3c6-17a5-3287-e044-00144f67d249/DISS-9d80a3c6-17a5-3287-e044-00144f67d249)

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

• Section 1 – Identification of substance/mixture and the company undertaking

• 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 9 - Physical & Chemical Properties

• Section 10 – Stability and reactivity

• Section 11 - Toxicological Information

• Section 12 - Ecological Information

• Section 13 - Disposal Considerations

• Section 15 - Regulatory Information