

# Godrej Industries Limited

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

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

E-mail: [sp.sadanad@godrejinds.com](mailto:sp.sadanad@godrejinds.com)

Revision: 00, Dated: 01.04.2019

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

**Trade name:** GINASUL TWS

**Chemical name:** Sulfonic acids, C14- alkane hydroxy and C14- alkene, sodium salts

**CAS Number:**

93686-14-7

**EC number:**

297-663-3

**1.2 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.

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

Godrej industries Limited Plot No. N-73, Addl. MIDC, Ambarnath East, Thane -421506, India

**Further information obtainable from:**

[sp.sadanad@godrejinds.com](mailto:sp.sadanad@godrejinds.com) /

T: +91-02519 4611

**1.4 Emergency telephone number:**

Emergency telephone number - +91-0251-2624292,

Office hours only (08.30 – 17.00 hours GMT +5.5 hours)

Other comments (e.g. language(s) of the phone service): English

## SECTION 2: Hazards identification

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**



Eye Dam. 1

Toxic to aquatic life

H318 Causes serious eye damage.



Skin Irritation 2 H315 Causes skin irritation

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

**Hazard pictograms**



GHS05

**Signal word** Danger

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## Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

## Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection

P264 Wash thoroughly after handling

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P332+P313 if skin irritation occurs: Get medical advice/attention.

## 2.3 Other hazards

### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.1 Chemical characterization: Substances

#### CAS No. Description

93686-14-7 Sulfonic acids, C14- alkane hydroxy and C14- alkene, sodium salts.

% Alpha Olefin Sulphonate	37.00 – 39.00
% Water	58.00 – 62.00

#### Identification number(s)

EC number: 297-663-3

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information:

Immediately remove any clothing soiled by the product. Seek medical treatment.

#### After inhalation:

If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen.

#### After skin contact:

For skin contact flush with large amount of water. If irritation persists, get medical attention immediately take off all contaminated clothing. Wash contaminated clothing before reuse.

#### After eye contact:

Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

**After swallowing:** If the material is swallowed, get immediate medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

**4.3 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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### SECTION 5: Firefighting measures

**5.1 Extinguishing media** dry chemical powder.

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

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

Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>)

Sulfur Dioxide

Halogenated compounds metal oxide/oxides

**5.3 Advice for firefighters**

**Protective equipment:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

### SECTION 6: Accidental release measures

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

Ensure

Adequate

Ventilation

Remove persons from danger area.

**6.2 Environmental precautions:**

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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

Dispose of the material collected according to regulations.

**6.4 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.

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke

**7.2 Conditions for safe storage, including any incompatibilities.**

**Storage:**

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

Provide adequate ventilation. Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Use care in handling/storage. Store in original tightly closed container. Store away from incompatible materials. To be stored at 25.0 – 30.0°C temperature and away from direct sunlight.

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**Information about storage in one common storage facility:** Not required.

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

**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**Additional information about design of technical facilities:**

No further data; see item 7.

### 8.1 Control parameters

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

**Additional information:** The lists valid during the making were used as basis.

### 8.2 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.

**Respiratory protection:** Suitable respiratory protective device recommended.

**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** 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:**

Boots

Protective work clothing

**Limitation and supervision of exposure into the environment;**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

#### Appearance:

**Form:** Pale yellow colour liquid

**Colour:** Yellow liquid

**Odour:** Characteristic

**pH-value:** 7.00 – 9.00 ( 5% A.D. basis)

#### Change in condition

**Melting point/Melting range:** Not Applicable

**Boiling point/Boiling range:** > 212 °F (> 100 °C)

#### Freezing Point:

**Flash point:** Not Applicable

**Flammability (solid, gaseous):** Not applicable

**Self-igniting:** Product is not self-igniting.

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

**Vapour pressure:** 8.85E-014 mmHg (Modified Grain method)

**Density:** 1.067 g/cm<sup>3</sup>

#### Solubility in / Miscibility with

**water at 25 °C:** 100 g/l

**Partition coefficient (n-octanol/water):** 2.35 log POW (predicted)

## SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

### 10.2 Chemical stability

#### Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

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

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity** based on available data, the classification criteria are not met.

#### LD/LC50 values relevant for classification:

Oral	LD50	> 2000 mg/kg bw (rat)
Dermal	LD50	> 2325 mg/kg bw (rabbit)

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### **Primary irritant effect:**

#### **Skin corrosion/irritation**

Causes skin irritation.

#### **Serious eye damage/irritation**

Causes serious eye damage.

#### **Respiratory or skin sensitization**

Based on available data, the classification criteria are not met.

#### **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

**Germ cell mutagenicity based on available data, the classification criteria are not met.**

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** based on available data, the classification criteria are not met.

**STOT-single exposure** based on available data, the classification criteria are not met.

**STOT-repeated exposure based on available data, the classification criteria are not met.**

**Aspiration hazard** based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### **12.1 Toxicity**

#### **Aquatic toxicity:**

EC50 (48-h) 4.53 mg/L (*Ceriodaphnia dubia* (Water flea))

LC50 (96-h) 2.6 mg/L (*Brachydanio rerio* (Fish, Freshwater))

**12.2 Persistence and degradability** readily biodegradable

**12.3 Bioaccumulative potential** – Not Applicable

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

#### **Ecotoxicological effects:**

**Remark:** Toxic for fish

#### **Additional ecological information:**

##### **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): 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.

### **12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

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

## SECTION 13: Disposal considerations

### **13.1 Waste treatment methods**

#### **Recommendation**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any byproducts should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

#### **Uncleaned packaging:**

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

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## SECTION 14: Transport information

<b>14.1 UN-Number</b> <b>ADR, ADN, IMDG, IATA</b>	Not applicable
<b>14.2 UN proper shipping name</b> <b>ADR, ADN, IMDG, IATA</b>	Not applicable
<b>14.3 Transport hazard class(es)</b> <b>ADR, ADN, IMDG, IATA</b> <b>Class</b>	Not applicable
<b>14.4 Packing group</b> <b>ADR, IMDG, IATA</b>	Not applicable
<b>14.5 Environmental hazards:</b>	Not applicable.
<b>14.6 Special precautions for user</b> <b>Storage Category</b>	Not applicable A
<b>14.7 Transport in bulk according to</b> <b>Annex II of Marpol and the IBC Code</b>	Not applicable.
<b>UN "Model Regulation":</b>	Not applicable

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

#### Hazard pictograms



GHS05

**Signal word** Danger

#### Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

#### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321

Specific treatment (see on this label).

P332+P313 if skin irritation occurs: Get medical advice/attention.

#### Directive 2012/18/EU

**Named dangerous substances - ANNEX I** Substance is not listed.

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**Seveso category E2 Hazardous to the Aquatic Environment**

**Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t**

**Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t**

## **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

## **SECTION 16: Other information**

The information presented here is believed to be accurate and pertains only to the product when stored in a sealed condition, as prescribed here. The information is given in good faith, but no warranty, express or implied, is made. Users should make their own investigations, for their specific applications and processes, to determine the suitability of the safety information mentioned here. Godrej Industries Limited will in no way be liable for any claims, losses and / or damages of any third party, or for lost profits, or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, from the use of this product.

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 MSDS:** Product safety department.

### **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

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) 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

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