

# Godrej Industries Limited

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## Material safety data sheet (MSDS)

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name	:	<b>ALFODET Ginasul- 36468</b>	
Manufacture's Name Address	:	GODREJ INDUSTRIES LIMITED, Eastern Express Highway, Vikhroli (East), Mumbai. India. Pin - 400 079.	
Telephone	:	91-22-518 80-10 / 20 / 30	
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### 2. COMPOSITION / INGREDIENTS (Ref : 1)

Average Molecular Weight	:	324	
Chemical Identity	:	CAS No.	Weight Range
Water	:	7732-18-5	58%
Sodium C14 Olefin sulfonate	:	68439-57-6	40%
Sodium sulfate	:	7757-82-6	2%

### 3. HAZARD IDENTIFICATION (Ref : 1)

Health Rating	:	Slight
Flammability Rating	:	Slight
Reactivity Rating	:	Slight
Contact Rating	:	Slight
Storage	:	General

### 4. FIRST- AID MEASURES (Ref : 1)

Eye	:	Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.
Skin	:	For skin contact flush with large amount of water. If irritation persists, get medical attention. Immediately take off all contaminated clothing. and wash contaminated clothing before reuse.
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.
Ingestion	:	If the material is swallowed, get immediate medical attention.
<i>*In all of the above cases, get a doctor to check the affected person.</i>		
<b>5. FIRE HAZARD AND FIRE FIGHTING MEASURES (Ref : 1)</b>		
Flash point	:	(> 93.9° C) >201° F
Means of extinction	:	Use Water spray, Carbon Dioxide, Dry Chemical, or Alcohol Foam. Use Water to keep fire-exposed container cool.
Flammability	:	Non-Flammable in solution.
Personnel	:	Fire-fighters should wear full protective clothing,including self contained breathing equipment.
Hazardous combustion product	:	None
<b>6. ACCIDENTAL RELEASE (Ref : 1)</b>		
Engineering Controls	:	Ventilation of work sapce.
Leak-And-Spill Procedures	:	Ventilate area, sweep up,use protective clothing,store in closed container .store in closed container. Surface will be slippery after spillage.
<b>7. HANDLING AND STORAGE MEASURES (Ref : 1)</b>		
Handling Containers	:	Use full protective gear. Protect containers against physical damage / direct sunlight / water.
Storage Conditions of Containers	:	Use leak-proof Drums. Store in dry locations, at ambient temperature away from direct sunligh
<b>8. PERSONAL PROTECTION MEASURES (Ref : 1)</b>		
Skin	:	Rubber Gloves
Respiration	:	Air respirator
Eyes	:	Goggles
Feet	:	Safety Shoes
Body	:	Lab Coat
Hygiene precautions	:	Remove contaminated clothing and wash hands between breaks and at the end of duty hours.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES (Ref : 1)</b>		
Physical state	:	Aqueous Solution
Moisture & Volatiles %	:	58

Specific gravity	:	1.069 gm /cc
Boiling point	:	> 100° C at 760 mm
Pour point	:	25° F
Evaporation Rate	:	Estimated slower than Ethyl Ether
Vapour Density (Air = 1)	:	Estimated lighter than Air
Solubility in water (20 C)	:	Soluble
<b>10. REACTIVITY DATA (Ref : 1)</b>		
Chemical Stability	:	Product is stable under the prescribed storage conditions.
Incompatibility with other Substances	:	Slight reaction with oxidising substances
Reactivity and under what conditions	:	None
Hazardous Decomposition	:	None
<b>11. TOXICOLOGICAL PROPERTIES (Ref : 1)</b>		
Toxicity	:	Non toxic
Skin contact	:	Slight
Inhalation acute	:	None
Skin absorption	:	None
Inhalation Chronic	:	None
Eye contact	:	Slight
Ingestion	:	mouse LD <sub>50</sub> > 5.989 gm/kg
Effect of Acute and Chronic Exposure to Material	:	The extensive use of Sodium Alpha Olefin Sulphonate in industry has not been accompanied by any reports of injury.
Irritancy of material	:	Slight
Carcinogenicity, Reproductive Effects, Terratogenicity, Mutagenicity	:	None reported
<b>12. ECOLOGICAL INFORMATION (Ref : 1)</b>		
The product should not get into water without treatment. Dissolved in water, the material is easily biodegradeable (90 %) and will not cause any disturbance in waste water treatment plants.		
<b>13. WASTE DISPOSAL (Ref : 1)</b>		
Leak-and-spill procedures	:	Being a liquid it can be collectd, swept up and stored in a closed containers.
Disposal	:	This material is not hazardous material can be washed off with water jet.

**14. TRANSPORT RECOMMENDATION (Ref : 1)**

No special conditions as it is not a regulated product. However, one should observe the usual precautionary measures for transporting chemicals.

**15. REGULATORY REQUIREMENTS (Ref : 1)**

According to the data available, the product is not regulated product. However, one should observe prescribed Federal, State and Local measures while dealing with chemicals.

Listed on EINECS (EU), TSCA (USA), DSL (Canada), AICS (Australia) and MITI (Japan), Korea & Phillipines.

EINECS No: 270-407-8      JSCI /JCIC :41- 500279

Not listed as a Carcinogen by NTP, IARC or OSHA.

**16. OTHER INFORMATION**

Sources of information:

1. Stepan Company-Illinois, USA -MSDS of Bio-Terge AS-40 (Sodium C14 Olefin Sulphonate (40 % solution)

**DISCLIMER**

The information presented here pertains only to the product when stored in a sealed condition, as prescribed above. The information is given in good faith, but no warranty, express or implied, is made.