

Godrej Industries Limited

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Material safety data sheet (MSDS)

Commercial name	Ginol 18
Chemical name	Stearyl alcohol
Manufacturer's name and address	Godrej Industries Limited, Plot No 3, Village Kanerao, Taluka Valia, District Bharuch, Gujarat, India. Pin: 393135
Telephone	91-2643 70756 / 57 / 58 / 59 / 60
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2. Composition / ingredients	
CAS number	112-92-5
EINECS number	204-017-6
Synonyms	OCTADECANOL N-OCTADECANOL OCTADECYL ALCOHOL N-OCTADECYL ALCOHOL STEAROL STEARYL ALCOHOL
3. Hazard identification (reference: 4)	
Irritant	Slightly irritating to eyes, respiratory system and skin.
	Slightly irritating to gastrointestinal tract on ingestion.
	Tendency to form dust.
4. First-aid measures (reference: 4)	
Eye	Wash eyes with plenty of water for at least 15 minutes.
Inhalation	Take affected person into the open

	air and allow him to rest.
Swallowing	Wash the affected person's mouth with plenty of water, provided he is conscious. Call a doctor.
<i>*In all of the above cases, get a doctor to check the affected person.</i>	
5. Fire-fighting measures (reference: 1, 4)	
Flash point	Ca 195°C
Means of extinguishing	Carbon dioxide, dry chemical powder or appropriate foam
Explosion limits in air	Upper: 8% Lower: 1%
Autoignition temperature	250°C
Special fire-fighting procedures	Wear breathing apparatus and fully protective clothing to prevent contact with skin and eyes.
6. Accidental release measures (reference: 4)	
Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.	
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.	
7. Handling and storage measures (reference: 4, 5)	
Handling	Handle in accordance with good hygiene and safety procedures. Wear respirator, 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.
Storage conditions	Keep container closed and store in a cool, dry place. Suitable storage material: SS tank / laquor-lined MS drums / HDPE-laminated bags with liners.
8. Exposure controls and personal-protection measures (reference: 4, 5)	
Ventilation of area	
Chemical safety goggles	
Rubber gloves	
Availability of NIOSH- / MSHA-approved respirator, although not required for normal use	

Safety shower and eye bath	
9. Physical and chemical properties (reference: 1, 4, 5)	
Appearance	White flakes (clear liquid when melted)
Boiling point	330°C to 360°C
Solidification point	55°C to 58°C
Vapour pressure	0.1mm at 38°C
Vapour density	9.3
Density @ 60°C	0.81
Solubility of water	Negligible
10. Stability and Reactivity data (reference: 4, 5)	
Chemical stability	Product is chemically stable
Hazardous polymerisation products	None
Incompatibilities	Strong oxidising agents; strong acids
Hazardous combustion or decomposition produces toxic fumes	Carbon monoxide and carbon dioxide
11. Toxicological information (reference: 2, 3, 4, 5)	
Acute effects	Practically-non toxic by injection
	Mild eye and skin irritation
Irritation	Skin-RBT 500 MG/KG/24H MLD Eye-RBT 100 MG MLD
Toxicity data	ORL-RAT LD50: 20 gm / kg
Target organ data	Not available
12. Ecological information (reference: 4, 5)	
Impact on aquatic organism	Data not available
The product should not get into any kind of water without treatment. Dissolved in water, the material is easily biodegradable (90%) and will not cause any disturbance in wastewater-treatment plants. Due to its low solubility in water, larger amounts need to be eliminated by separators, such as those typically used for fats and oils.	
13. Waste disposal (reference: 4, 5)	
Disposal of small amounts of waste material to be done in accordance with federal, state and local environmental regulations.	
Larger amount to be collected as described in section 6 and used for recycling	

crude raw materials.

14. Transport recommendation (reference: 4, 5)

D.O.T. is non-hazardous

No restriction on transport as it is not a regulated product.

Material should be transported in a closed container to protect it from direct source of heat, and to avoid exposure to highly humid conditions.

Contact Godrej Industries Limited for further information on transportation.

15. Regulatory information (reference: 4, 5)

According to available data, this product is not dangerous. However, one should observe precautionary measures for dealing with chemicals according to federal, state and local requirements.

16. Other information

The information presented here pertains to the products when stored in a sealed condition as prescribed above. This information is given in good faith by Godrej Industries Limited. The manufacturer makes no warranties on the adequacy of the information contained herein. Each user of this material needs to evaluate his/her own conditions of storage to use this product safely.