


Safety Data Sheet (SDS)

This SDS is prepared according to the regulation "General rule for classification and hazard communication of chemicals".

1. Chemicals and manufacturers information

Product name: Falcon Urinal Sealant
Product code: D59000-002
Recommended use of the chemical and restrictions on use: Urinal Sealant. Restrictions on use: Do NOT use it in an application which may contaminate food or do harm to human health.
Manufacturer/Supplier: Falcon Waterfree Technologies Address: 2255 Barry Ave. Los Angeles, CA, 90064 Tel.: (310) 209-7250 (Monday - Friday 8am - 5pm PST)
Importer: Falcon Waterfree Taiwan LTD. 3F, No. 7 Lane 126 Sec. 1 Chung-Shan N. Rd., Taipei, 10444 Ed Lin Tel.: +886-2-2511-8162 Email: ed@falconwaterfree.com.tw
Information in case of emergency: CHEMTREC (800) 424-9300

2. Hazards identification

Hazard classification (It is classified according to National Standard CN15030 of Republic of China): Serious eye damage/eye irritation- Category 2
Label elements Symbol: 
Signal word: Warning
Hazard Statement: H319: Causes serious eye irritation.
Hazard Precautionary Statements: P264: Wash hands thoroughly after handling. P280: Wear eye protection/face protection.
Response Precautionary Statements: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention.
Storage precautionary statements:

No special requirement.
Disposal precautionary statements: No special requirement.
Other hazards: No information available.

3. Information on ingredients

Product description: substance (); preparation/mixture (√)

Ingredient (s)	CAS No.	By weight (%)
1-Dodecanol, 2-octyl-	5333-42-6	60-100%
Lemon Fragrance	5989-27-5	<0.1%

4. First-aid measures

<p>Specific first-aid measures are as follows:</p> <p>After inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.</p> <p>Skin Contact: Wash with plenty water. If skin irritation or rash occurs: Get medical advice/attention.</p> <p>Eyes Contact: 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.</p> <p>Ingestion: Rinse mouth. Get medical attention if discomfort occurs.</p> <p>Most important symptoms/effects: Acute effect: Causes serious eye irritation. Delayed effect: Not found.</p>
<p>Self-protection of the first aider: Wear protective gloves/protective clothing/eye protection/face protection when necessary.</p>
<p>Indication of any immediate medical attention and special treatment needed: Treat according to symptoms and exposure dose.</p>

5. Fire-fighting measures

<p>Suitable extinguishing media: Use water fog, foam, dry chemical, carbon dioxide. for extinction.</p> <p>Unsuitable Extinguishing Media: High volume water jet.</p>
<p>Special hazards arising from the chemical: Products of combustion may include, and are not limited to: oxides of carbon, irritating vapors.</p>
<p>Special Fire-Fighting Method: Shut off air supply. Extinguish fire from upwind and cool down containers by water spray. Remove containers from fire area if it can be done without risk. Deny unnecessary entry to the place around the fire.</p>
<p>Special actions for fire-fighters: Firefighters must wear self-contained breathing apparatus and full protective equipment. Check whether the protective equipment is in good condition before</p>

use.

6. Accidental release measures

Personal precautions: Use proper personal protective equipment as indicated in Section 8.
Environmental precautions: Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.
Methods and material for containment and cleaning up: Small Spill: Mop up or absorb with an inert dry material (e.g. sand, dry lime) and place in an appropriately labeled waste disposal container. Large Spill: Isolate contaminated area and set up a warning board. The persons handling emergency are recommended wearing protective clothing. Do NOT touch spilled material. Build up dike or dig pit for collection. Containers should be clearly marked for recycling or disposed as waste.

7. Handling and storage

Handling: Wash hands thoroughly after handling. Wear eye protection/face protection.
Storage: Store in a cool, well-ventilated and dry place. Avoid long-time exposure to direct sunlight.
Incompatible materials: Strong oxidizing agents.
Packing material: No relevant information.

8. Exposure controls/personal protection

Engineering Controls: Use this product only in closed systems fully or with local exhaust ventilation. Install washer eyes and safety showers near to the handling and storage area. Shows the location of these facilities, with a clear and prominent warning board.	
Control parameters:	
Ingredients	mg/m ³ (Allowable concentration of hazardous substances for working environments)
No ingredients have an exposure limit	No data available
Personal Protective Equipment:	
Respiratory Protection: Use an approved respirator if exposure limit is exceeded or if irritation or other symptoms occur.	
Protection of Hands: Recommend impermeable rubber gloves. (e.g. Rubber gloves).	
Protection of Eyes: Wear safety glasses when liquid may splash.	

Protection of Body: Recommend wearing uniforms.
General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

9. Physical and chemical properties

Appearance: Oily liquid, deep blue	Odor: Citronella/Lemon
Odor threshold: No data available	Melting point: No data available
pH: No data available	Boiling point/Boiling Range: No data available
Flammability (solid, gas): Not flammable	Flash point: No data available
	Test Methods (Open cup or Cleared cup): No data available
Self-igniting Temperature: No data available	Flammable/Explosive Limits: Upper (% V/V): No data available Lower (% V/V): No data available
Auto-ignition temperature: No data available	Vapor pressure: No data available
Relative density: 0.836 @ 68 °F	Vapor density: No data available
Viscosity: 60 mPa.s @ 68 °F (ASTM D445)	Solubility(ies): No data available
n-octanol/Water Partition Coefficient: No data available	Evaporation Rate: No data available

10. Stability and reactivity

Stability: Stable under normal temperatures and pressures.
Possibility of hazardous Reactions: The product is not flammable, and has no special danger.
Conditions to Avoid: Heat.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: May include, and are not limited to: oxides of carbon, irritating vapors.

11. Toxicological information

Exposure route: Skin Contact, eyes Contact	
Symptoms: May cause an allergic skin reaction. Causes serious eye irritation.	
Acute toxicity	1-Dodecanol, 2-octyl- (CAS: 5333-42-6): Acute toxicity (oral) LD ₅₀ > 40ml/kg (rat) Data source: ECHA Acute toxicity (dermal) LD ₅₀ : 2ml/kg (rabbit) Data source: ECHA Lemon Fragrance (CAS: 5989-27-5): Acute toxicity (oral) LD ₅₀ : 4400mg/kg (rat) Data source: CCB Chemical Control Banding

	Acute toxicity (dermal) LD ₅₀ > 5000mg/kg (rabbit) Data source: CCB Chemical Control Banding Classification of the whole product: Not classified
Skin corrosion/irritation:	Lemon Fragrance (CAS: 5989-27-5): Category 2 (Data source: CCB Chemical Control Banding) Classification of the whole product: Not classified
Serious eye damage/eye irritation:	1-Dodecanol, 2-octyl- (CAS: 5333-42-6): Category 2 (Data source: HSNO CCID) Classification of the whole product: Category 2
Respiratory/ Skin sensitization:	Lemon Fragrance (CAS: 5989-27-5): Skin sensitization, Category 1 (Data source: CCB Chemical Control Banding) Classification of the whole product: Not classified
Germ cell mutagenicity:	No classification for this product.
Carcinogenicity:	No classification for this product.
Reproductive Toxicity:	No classification for this product.
Specific target organ toxicity, single exposure:	No classification for this product.
Specific target organ toxicity, repeated exposure:	No classification for this product.
Aspiration hazard:	No classification for this product.

12. Ecological information

<p>Ecotoxicity: No data available for the whole product. The data shown below is of each ingredient.</p> <p>1-Dodecanol, 2-octyl- (CAS: 5333-42-6): 48H-LC₅₀ > 10000 mg/L, fish Data source: ECHA</p> <p>Lemon Fragrance (CAS: 5989-27-5): 96H-LC₅₀=0.702mg/L, fish (Pimephales pmelas) 48H-EC₅₀= 69.6mg/L, aquatic invertebrates (Daphnia pulex) Data source: CCB Chemical Control Banding Classification of the whole product: Not classified</p>
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: As it is in liquid status, it can move in soil.
Other adverse effects: No data available.

13. Disposal considerations

<p>Disposal of waste: Please according to the provisions of the Waste Gas Management Act of Taiwan to dispose of waste.</p> <p>Contaminated packaging: The container or packaging may remain noxious substance and should be disposed as a hazardous waste. Dispose of contents/ container to an approved waste disposal plant.</p>

14. Transport Information

UN No.: Not applicable
Proper Shipping Name: Not applicable
Hazard Class: Not applicable
Packing Group: Not applicable
Packing Group Symbol: Not applicable
Marine Pollutant (Yes/No): No
Special precautions for user: Check whether the package is completed or sealed before transporting; make sure there are no damage and no falling down of packages during transporting; the transport vehicle should be equipped with fire-fighting equipment and emergency facilities for handling with release.

15. Regulatory information

Applicable regulations:		
1. Industrial Safety and Health Act: Applicable hazardous substances per GHS standard (The first period): Lemon Fragrance (CAS: 5989-27-5) Applicable hazardous substances per GHS standard (The second period): not listed	2. Road traffic safety rules: The transportation must comply with this rules.	
3. Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste: Recommend incineration method for disposal.	4. Occupational exposure limit values of hazardous substances in the air: Refer to Section 8.	
International Laws and Regulations:		
TSCA (Toxic Substance Control Act):		
Ingredient (s)	CAS No.	TSCA Inventory
1-Dodecanol, 2-octyl-	5333-42-6	Not listed
Lemon Fragrance	5989-27-5	Not listed
(EC) 1272/2008 Annex VI Table 3.1:		
Ingredient(s)	EC No. 1272/2008 Classification	
	CLASS. CODE	CLASS. CODE
Lemon Fragrance (CAS: 5989-27-5)	Flam. Liq. 3 Skin Irrit. 2 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	H226 H315 H317 H400 H410
Carcinogenicity categories: Not listed by EPA, NTP, ACGIH and IARC.		

16. Other information

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References:

CNS15030-Z1051

Industrial Safety and Health Act

Road traffic safety rules

General rule for classification and hazard communication of chemicals

Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste

Occupational exposure limit values of hazardous substances in the air

The latest version issuing date: 2017-10-27

SDS Version: 3.0

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