

“Bird Free 4-S Gel” is a proprietary, patented, non - toxic, eco friendly innovation that effectively drives unwanted urban birds away without harming them.

The main ingredients in “Bird Free 4-S Gel” are listed in USA FDA's GRAS (Generally Recognized As Safe) list, a designation that a chemical or substance added to food is considered safe by experts. Using Oriental Herbal ingredients “Bird Free 4-S Gel ” stimulates visual , odour, irritating touch feel. Distinct mode of action of instantaneous bird rejection response through simultaneous smell, sight, touch and irritation.

Bird Free 4-S Gel has long lasting efficacy with no damage to buildings and facilities. Oriental Herbal contained in the gel forms a film that prevents water from penetrating or evaporating from the ingredients. Bird Free 4-S Gel can last up to 48 months depending on area of installation.

1. PREPARING SURFACES FOR TREATMENT **MOST IMPORTANT!**

- Prepare area for installation by cleaning-up bird nests, dirt, droppings, excrement, etc.

This step could be done before or after filing up the dish with the Bird Free 4-S Gel

Apply the Adhesive silicon on the bottom of dishes

(Other products such as double-side sticky tape or special magnets can be attached to mount the dishes on to the surface as well).

2. Inject Bird Free 4-S Gel into the plastic dish. (Inject 0.53oz - 0.70oz (15~20g) into each dish.)

3. Attach the dishes on to the infected area.

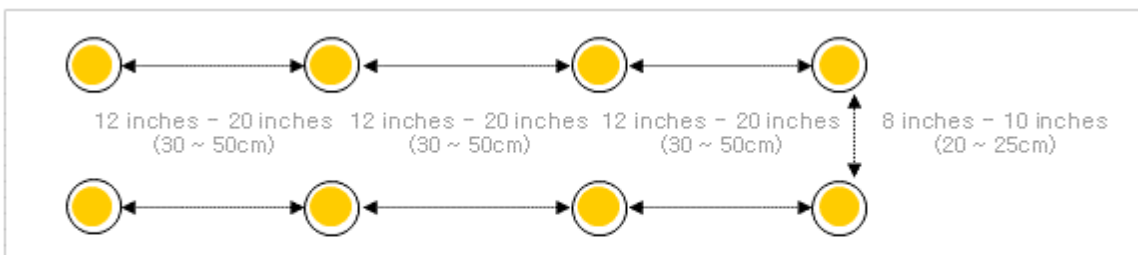
Attach with an interval of 12 inches - 36 inches depending on the degree of bird damages.

* **Habitat Area : 8 inches - 12 inches**

* **Semi-Habitat Area : 12 inches - 24 inches**

* **Resting Place or Activity Area : 12 inches - 36 inches**

Sample installation



[installation spacing in place for rest and activity]

Bird Free 4-S Gel can be installed directly onto the surface in a circle from. The amount should be same as if it was placed on the dishes, about 0.53oz - 0.70oz (15~20g) each.

If the repellent is to be applied directly on to the surface, Check the condition of the surface to which the repellent is to be applied. Treat porous surfaces such as wood, stone, or concrete with an undercoating such as paint or sealer before applying Bird Free 4-S Gel.

Material Safety Data Sheet

Issue Date: 28, June, 2010
Approved by JEONJINBIO CO., LTD.

Info safe Number: 801
Product Name: Bird Free

Company Details:

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Other Information The information and recommendations contained herein are to the best of our knowledge reliable. However, nothing herein is to be construct as a warranty or representation in respect of safety in use, suitability efficiency or otherwise, including freedom from patent infringements.
Users should make their own tests for their particular purpose. We cannot accept any liability for any loss, damage or infringement arising from the use of the information or recommendations contained herein.

Identification :

Product Code	JAT8001
Product Name	Bird Free
Proper Shipping Name	As above
Other Names	None Listed
UN Number	N/A
DG Class	N/A
Packing Group	N/A
Hazchem Code	N/A
Poisons Schedule	Not Scheduled

Physical Data :

Physical state	Gel
Vapor Density (Air=1)	N/A
Vapor Pressure (mm Hg)	N/A
Evaporation Rate	N/A
Specific Gravity	N/A
Boiling point	90°C
% Volatile	Negligible
Flash Point	220°C
Melting Point	Not Determined
Appearance	Light brown gel with slight herb odor
Solubility in Water	Negligible

Ingredients :

Ingredients	<u>Name</u>	CAS	Proportion
<u>Chemical composition</u>			
	Polyisobutylene	9003-27-4	MIN.> 68%
	Grease	64742-54-7	MIN.> 22%
	Ingredients		MIN.> 10%

Heal the Effects :

Precautions for use

Do not get in eyes, on skin, or on clothing. Do not swallow in directly. Do not feed undiluted solution to livestock.

First Aid :

Swallowed	Never give anything by mouth to an unconscious person.
Eye and Skin	Flush with large amount of water until irritation subsides. If irritation occurs, seek medical attention. Immediately wash skin with waterless hand cleaner to remove, then wash with soap and water. If irritation occurs, obtain medical attention. No significant health hazards exist at ambient temperatures. Redness and irritation may occur on contaminated skin and eye contact may be slightly irritating, but product does not cause long-term adverse health effects.
Inhaled.	Remove to fresh air. If discomfort occurs, seek medical attention

Advice to Doctor

Other Health Hazard Information :

Personal Protection

Respirator Type	Respirator approved for solid and liquid particulates, including dusts and mists, e.g. 3M 8810 mask or respirator with P3 filter or equivalents.
Eye Protection.	Splash goggles or safety glasses
Glove Type	Rubber gloves.
Clothing	Suggested materials for protective gloves include: Polyethylene or Hypalon
Flammability	Non flammable

Safe Handling Information :

Storage and Transport

Storage Precautions	Keep bottle tightly closed. Stable at room temperature for at least 24 months when stored dry and with tightly capped.
Handling	Avoid contaminating dust and soil or releasing this material into sewage and drainage systems and bodies of water.
Proper Shipping Name	N/A
Transport Information	<p>DOT</p> <p>Classification: Not a DOT controlled material (United States).</p> <p>Identification: Not applicable.</p> <p>Special Provisions for Transport: Not applicable.</p> <p>IATA</p> <p>Non-Hazardous for Air Transport: Non-hazardous for air transport</p> <p>Air transport IATA/CAO</p> <p>:Not classified as a dangerous good under transportation regulation</p>

Spills and Disposal

Spills	Spills can be contained and removed with absorbent material such as sand and washed with hydrocarbon solvent (mineral spirits), or detergent. Do not contaminate water or sewer systems.
Disposal	Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations.

Fire/Explosion Hazard :

Fire Fighting Procedure	No risks are involved.
Extinguishing Media	CO2, Dry Chemical, Foam, Water Fog
Hazchem Code	N/A

Toxicological Information :

Acute oral effect	The oral LD ₅₀ of Bird Free is more than 2,000 mg/kg in male and female rats.
Acute dermal effect	The dermal LD ₅₀ of Bird Free is more than 2,000 mg/kg in male and female rats.
Eye irritation	Bird Free is evaluated as a non-irritant with 1.33 of A.O.I (acute ocular irritation) in rabbits.
Skin irritation	Bird Free is evaluated as a non-irritant with 0 of P.I.I (primary irritation index) in rabbits.
Skin sensitization	The score of skin reaction after treatment of Bird Free is graded I with 5% sensitization rate in guinea pig.

Ecological Information :

Ecological toxicity	LC ₅₀ in 95% lower and upper confidence limits is more than 100 mg/L in <i>Cyprinus carpio</i> .
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Other Information :

Risk Statement.	May cause sensitization by inhalation, eye and skin
Safety Statement	Stable
Hazard Category	Not Harmful

Contact point :

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