

# Safety Data Sheet

# BIRD FREE

1	Identification of the preparation and the supplying Company	1.1 BIRD FREE. Pest bird repellent. Supplied in a caulking tube for application via a caulking gun into plastic trays. 1.2 Jeonjinbio (UK) Ltd., 3 Tyndale Lane, London, N1 2UL. Email <a href="mailto:ian.smith@bird-free.com">ian.smith@bird-free.com</a> 1.3 Emergency telephones. National Poisons Information Service 0870 600 6266. JJBio UK Ltd tel. 0207 359 9988												
2	Hazards identification	Product is not classified as hazardous.												
3	Composition and information on ingredients	<table border="1"><thead><tr><th>Ingredient</th><th>CAS no.</th><th>Content</th></tr></thead><tbody><tr><td>polyisobutylene</td><td>9003-27-4</td><td>68%</td></tr><tr><td>grease</td><td>64742-54-7</td><td>22%</td></tr><tr><td>Other ingredients, plant oils</td><td></td><td>10%</td></tr></tbody></table>	Ingredient	CAS no.	Content	polyisobutylene	9003-27-4	68%	grease	64742-54-7	22%	Other ingredients, plant oils		10%
Ingredient	CAS no.	Content												
polyisobutylene	9003-27-4	68%												
grease	64742-54-7	22%												
Other ingredients, plant oils		10%												
4	First Aid measures	4.1 <b>Inhalation:</b> Unlikely risk via this route. 4.2 <b>Contact with skin:</b> Wipe off product using tissues/cloths. Wash skin with soap and water. 4.3 <b>Contact with eye:</b> Gently remove gross product from eye area. Irrigate eye with water or eye-wash solution. Get medical attention. 4.4 <b>Ingestion:</b> Unlikely route of entry. Wipe out mouth, rinse with water. Seek medical attention.  <b>Advice for doctor:</b> Product contains polyisobutylene gel, grease and vegetable plant oils.												
5	Fire-fighting measures	5.1 <b>Suitable extinguishing media:</b> Dry chemical, foam or carbon dioxide. 5.2 <b>Unsuitable extinguishing media:</b> Indoor or outdoor hydrant facilities, sprinkler, water jet. 5.3 <b>Fire and explosion hazards:</b> Product does not pose a flammability hazard but will burn in a fire. No explosion risk. 5.4 <b>Special protective equipments:</b> Irritating and highly toxic gasses, carbon oxides, such as carbon dioxide, carbon monoxide may be generated by thermal decomposition or combustion. Self-contained breathing apparatus should be worn by fire fighters.												
6	Accidental release measures	Wear gloves. Wipe up spilled material and place in a marked container. Wash area with detergent and water. Mop dry.												
7	Handling and storage	7.1 <b>Handling:</b> Handle according to product label instructions. 7.2 <b>Storage:</b> Store in a cool, dry place. Protect from frost. 7.3 <b>Specific use:</b> Use only in accordance with the label %Directions for Use+												
8	Exposure controls and personal protection	8.1 <b>Exposure limit values</b> None established. 8.2 <b>Exposure controls</b> Use according to label instructions. 8.2.1 <b>Occupational exposure controls</b> (a) <b>Respiratory protection</b> :- None required. (b) <b>Hand protection</b> :- Wear Unlined/Flock-lined, synthetic rubber/PVC to EN347 (300mm in length) gloves. E.g. Nitrile. (c) <b>Eye protection</b> :- Wear goggles to EN1663459B when dealing with gross spillage incidents. (d) <b>Skin protection</b> :- Wear gloves. 8.2.2 <b>Environmental exposure controls</b> Collect material at end of a treatment regime. Secure material as described on the label.												
9	Physical and chemical properties	<b>9.1. General information</b> Appearance: Light brown gel with slight herb odour. Odour: Herb. pH: Not established. Boiling point/boiling range: Not established. Flash point: None. Flammability/self ignition/ explosive, oxidising properties: None. Water solubility: Negligible. Viscosity: Not measured. Product is a viscous gel. Vapour pressure: No data. Partition coefficient: n-octanol/water: No data.												
10	Stability and reactivity	Stable under normal conditions. 10.1 <b>Condition to avoid:</b> None. 10.2 <b>Material to avoid:</b> None. 10.3 <b>Hazardous decomposition products:</b> None except when product involved in a fire . see paragraph 5.												
11	Toxicological information	Product is not classified as hazardous. Product may produce irritation/sensitisation by skin or eye contact. No known effects regarding repeat dose toxicity, mutagenic, carcinogenic or reproductive system toxic effects.												

# Safety Data Sheet

# BIRD FREE

---

Acute oral effect	The oral LD50 of Bird Free is more than 2,000 mg/kg in male and female rats.
Acute dermal effect	The oral LD50 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 AOI (acute ocular irritation) in rabbits.
Skin irritation	Bird Free is evaluated as a non-irritant with 0 of PII (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.

---

12	Ecological information	<ul style="list-style-type: none"><li>Not classified as hazardous to the environment. Risks to non-target creatures are controlled by adhering to the product label directions for use and technical advice.</li><li>LC50 in 95% lower and upper confidence limits is more than 100mg/L in <i>Cyprinus carpio</i>.</li></ul>
13	Disposal considerations	Empty containers: Caulking tubes. Empty completely. Dispose as controlled, non-hazard classified plastic waste. EWC code no. 15 01 02. Unused/recovered materials: Contact supplier for further specific advice. Contaminated PPE/wipes: Dispose of as controlled, non-hazard classified waste. Use EWC code: - 15 02 03.
14	Transport information	Not classified as hazardous for transport.
15	Regulatory information	<ul style="list-style-type: none"><li>This preparation has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009: CHIP 4. These implement the Dangerous Preparations Directive- 99/35/EC. This Safety Data Sheet complies with Annex II of the REACH regulations.</li><li>Restricted to professional users.</li><li>Refer to other relevant measures such as the Health and Safety at Work etc Act 1974 and the COSHH regulations and guidance.</li><li>The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation.</li><li>Hazard symbols: - Not classified as hazardous.</li><li>Risk phrases: - None assigned.</li><li>Safety phrases: - None assigned.</li></ul>
16	Other information	Use only in accordance with label instructions. For professional use only. Operatives using this product should be trained in its use. The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations. This data sheet does not constitute a COSHH assessment. The Chemicals Regulation Directorate of the Health and Safety Executive has granted <i>Bird Free</i> a derogation under the Biocidal Products Directive on the basis that its active ingredients are food grade material and are present at the same levels found in foods. The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. The information provided in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by JJBio UK Ltd for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature. Incorporates the REACH requirement changes to safety data sheets.

---