COSHH RISK ASSESSMENT

Control of Substances Hazardous to Health Regulations 2002 (as amended)

1. ASSESSMENT DETAILS

Company / Site	Monarch Pest Control Services Ltd.
Assessment reference	COSHH 11
Assessed by	Patrick Condon
Date of assessment	13/10/2026
Review date	(13/10/2027, or sooner if the SDS, process or legislation changes)
Task / activity	Application of ready-to-use ant gel bait from 30 g cartridges by applicator gun as spot placements on ant trails, cracks and crevices, indoors and outdoors (professional pest control)
Location(s) of use	Client Premises
Frequency / duration of use	As required
Quantity used	As required

2. PRODUCT IDENTIFICATION

Product name	**MAXFORCE QUANTUM**
Product code / authorisation	Article/SKU 81698120 | UVP 79212690 | Spec. 102000018213 | GB-2017-1097
Supplier	2022 Environmental Science FR S.A.S. (Envu). For GB: Milton Hall, Ely Rd., Milton, Cambridge CB24 6WZ Tel: 00800 1214 9451 | service.clients.es.france@envu.com
Emergency telephone	+44 20 3807 3798 (24/7, emergency or spill) Medical advice (general UK): NHS 111; healthcare professionals NPIS 0344 892 0111
Identified use	Insecticide (biocide PT18): ant bait for Black/Garden, Argentine, Pharaoh and Ghost ants
Active substance	Imidacloprid (CAS 138261-41-3) 0.03 %
SDS reference	SDS No. 11188562-00006, Version 2.4, revised 03.04.2024 (GB/IE). Regulation (EC) 1907/2006 as amended by (EU) 2020/878
Physical form	Colourless to light yellow gel, very faint odour. pH 4–6 (10 %). Flash point > 100 °C; self-ignition 380 °C. Density 1.43 g/cm³. Water soluble. Not explosive or oxidising.

3. HAZARD CLASSIFICATION & LABEL ELEMENTS



GHS09
Environment

Signal word	WARNING
Classification (CLP, EC 1272/2008)	Aquatic Chronic 1 (H410). Not classified for health or physical hazards.
Hazard statements	H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. P391 Collect spillage. P501 Dispose of contents/container to an approved waste disposal plant.
Other hazards	No PBT/vPvB or endocrine-disrupting components ≥ 0.1 %. Contains a nicotinoid.

4. HAZARDOUS INGREDIENTS

Substance	CAS / EC / Index	Conc. %	Classification
Imidacloprid (active substance)	138261-41-3	≥ 0.025 – < 0.1	Acute Tox. 3, H301; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=1,000).

	428-040-8 612-252-00-4		ATE oral 131 mg/kg

5. WORKPLACE EXPOSURE LIMITS (EH40)

Substance	Limit	Value
Sucrose (57-50-1)	WEL 8-hr TWA (GB EH40)	10 mg/m³
Sucrose (57-50-1)	WEL 15-min STEL (GB EH40)	20 mg/m³
Imidacloprid	WEL	None assigned

6. ROUTES OF EXPOSURE & HEALTH EFFECTS

Route	Effects (from SDS)
Inhalation	Not expected (gel). Imidacloprid LC50 rat > 5.323 mg/l (4 h).
Skin contact	Main route. Not irritant or sensitising (OECD 406 negative). LD50 dermal rat > 2,000 mg/kg.
Eye contact	No eye irritation (rabbit).
Ingestion	Product LD50 oral rat > 2,500 mg/kg. Large amounts may cause nausea, abdominal pain and dizziness; hazardous intake unlikely at 0.03 %.
Environment	Very toxic to aquatic life with long lasting effects. Imidacloprid not rapidly degradable; very toxic to aquatic invertebrates (EC10 0.000056 mg/l, 21 d). Toxic to bees.

7. PERSONS AT RISK

Group	At risk?	Notes
Pest control operatives	☒ Yes ☐ No	Loading cartridges and applying gel
Other employees / staff on site	☒ Yes ☐ No	Contact with placements; keep off food-contact surfaces
Public / customers / occupants	☒ Yes ☐ No	Place bait where it won't be touched
Children & pets	☒ Yes ☐ No	Sweet bait is attractive; place out of reach
New / expectant mothers, young persons	☐ Yes ☐ No	Individual assessment

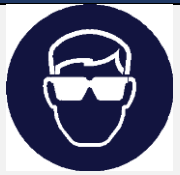
8. CONTROL MEASURES

Elimination / substitution	Remove food sources and proof entry points first; gel bait in cartridges is already a low-exposure format.
Engineering controls	Use only with adequate ventilation. Apply with the applicator gun as small spot placements; do not open or refill cartridges.
Safe handling	Do not swallow. Avoid contact with eyes and prolonged or repeated skin contact. Keep bait away from food, drink, animal feed and food-contact surfaces. Outdoors, keep placements out of rain run-off and away from drains and watercourses.
Hygiene	Do not eat, drink or smoke when using. Wash hands and exposed skin before breaks, meals and after use. Wash contaminated clothing before re-use.
Storage	Keep in properly labelled original containers in a locked biocide store. Do not store with strong oxidising agents.
Training / information	Operatives trained in biocide use (e.g. RSPH/BPCA level 2) and briefed on this assessment, the label and the SDS.

9. PERSONAL PROTECTIVE EQUIPMENT



Nitrile gloves



Safety glasses



Protective clothing

PPE	Requirement (from SDS)	Standard / notes
Hand	Nitrile rubber gloves, 0.4 mm, breakthrough 480 min	EN 374
Eye / face	Safety glasses	EN 166

Body	Impervious protective clothing to avoid skin contact	Workwear / overalls
Respiratory	Not normally needed. Particulate (P) filter only if ventilation inadequate	EN 143

10. FIRST AID	
General	If unwell or in doubt, seek medical advice. First aiders should protect themselves (section 8). Contains a nicotinoid; no specific antidote, treat symptomatically and monitor breathing and heart.
Inhalation	Remove to fresh air. Get medical attention if symptoms occur.
Skin contact	Wash with soap and water. Get medical attention if symptoms occur.
Eye contact	Flush eyes with water. Get medical attention if irritation persists.
Ingestion	Do NOT induce vomiting. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.

11. SPILLAGE, FIRE & DISPOSAL	
Accidental release	Wear PPE. Prevent further spillage if safe. Wipe, sweep or vacuum up and place in a suitable labelled container. Retain contaminated wash water. Advise local authorities if significant spillage cannot be contained.
Fire	Water spray, alcohol-resistant foam, CO2 or dry chemical; not a high-volume water jet. Combustion produces carbon oxides. Wear SCBA. Cool unopened containers with water spray.
Waste disposal	Use all product per label. Do not dispose into sewer. Suggested EWC codes: 20 01 19 (pesticides, used or unused product); 15 01 10 (uncleaned packaging). Empty cartridges retain residue: do not re-use.

12. SIGN-OFF			
Role	**Name**	**Signature**	**Date**
Assessor	Patrick Condon	Patrick Condon	19th October 2026
Manager / approver	George McConville	George McConville	19th October 2026

Source: Envu MAXFORCE QUANTUM Safety Data Sheet No. 11188562-00006, Version 2.4 (03.04.2024, GB/IE). Read alongside the current SDS and product label, and review for site-specific conditions.