

MATERIAL SAFETY DATA SHEET

GEKO (IMIDACLOPRID 2.15% GEL)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Trade Name: GEKO

Product Name: Imidacloprid 2.15% GEL

Product code: SHA 3200 A

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Main use category : Biocide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Sharda Europe B.V.B.A - ITALY

EU Office Address: Heedstraat 158, 1730 Asse, Belgium

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Chronic 2

H411

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

N; R51/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

SHARDA EUROPE b.v.b.a



GHS09

Signal word (CLP):-

Hazard statements (CLP): H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP): P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P103 - Read label before use P273 - Avoid release to the environment

P391 - Collect spillage P501 - Dispose of contents/container to an authorised waste collection point

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Certificate of Composition

Chemical name (trade name)	CAS no	Function	Content (%w/w)
Imidacloprid technical (minimum purity 98%) to give 2.15 Imidacloprid	138261-41-3	Active substance	2.194
Denatonium benzoate	3734-33-6	Bitter agent	0.001
Hydrolyzed starch (corn syrup) (62/43 Corn Syrup)	8029-43-4	Foodstuff, Bait	49.100
Glycerol (Glycerine 4813)	56-81-5	Anti-Freeze	10.705
Acrylic acid homopolymer (Carbopol EZ 2)	9003-01-4	Thickening agent	1.000
Solution of Sodium Hydroxide, max 8%, in water (Sodium Hydroxide Solution 0.02 N- 2 N)	1310-73-2	Neutralizing base	2.500
α - [2,4,6-Tris[1-(phenyl) ethyl]phenyl]- ω -hydroxy- poly(oxyethylene) (Soprophor BSU)	99734-09-5	Emulsifier	0.106
Mixture of 31-35% ethoxylated polymethacrylate, 30% Propane-1,2-diol (CAS 57-55-6), <5% Butan-2-one (CAS 78-93-3), appr.30 %water (CAS 7732-18-5) (Atlox 4913)	Mixture	Emulsifier, dispersing agent	0.317
Mixture of Xanthan Gum, >99% and Glyoxal, <1% (Kelzan S)	11138-66-2	Thickener	0.916

SHARDA EUROPE b.v.b.a

Mixture of Polydimethoxysiloxane (20% in water) (CAS 63148-62-9), <5% α -iso-Tridecyl-<O-hydroxy-polyglycolether (CAS 9043-30-5), <5 % α -Octadecyl- ω -hydroxy- polyglycolether (CAS 900500-9), 1% Ammonium(<i>Silfoam SRE</i>)	Mixture	Antifoaming agent	0.007
Mixture of 20% 1,2-Benzisothiazol-3(21-I)-one (CAS 2634-33-5), 6% Sodium hydroxide (CAS 1310-73-2), 60% dipropylene glycol (CAS 25265-71-8), 14% water(<i>Proxel GXL(S)</i>)	2634-33-5	Preservative	0.114
Mixture of 1.5% mixture of[5- Chloro-2-methyl-3(21-I)- isothiazolone with 2-Methyl-3(21-I)-isothiazolone] (CAS 55965-84-9) (ratio 3:1) , water add 100% (<i>Preventol D7</i>)	55965-84-9	Preservative	0.007
Water	7732-18-5	Diluent	33.033
TOTAL			100.00

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation:

Move the affected person to the fresh air. If not breathing, give artificial respiration. Call a doctor.

First-aid measures after skin contact:

Remove contaminated clothes. After contact with skin, wash immediately with plenty of water.

First-aid measures after eye contact:

Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.

First-aid measures after ingestion:

Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SHARDA EUROPE b.v.b.a

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire:

Carbon dioxide. Carbon monoxide. Nitrogen oxides. May release flammable gases.

5.3. Advice for firefighters

Firefighting instructions:

Appropriate self-contained breathing apparatus may be required.

Protection during firefighting:

Do not enter fire area without proper protective equipment, including respiratory protection.

Other information:

Do not allow material to contaminate surface water system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment:

Wear suitable protective clothing, gloves and eye or face protection. Chemical resistant gloves (according to European standard NF EN 374 or equivalent). EC EN 166 "3". Wear eye protection. Personal protective equipment. EN ISO 20345.

Emergency procedures:

Evacuate personnel to a safe area.

6.1.2. For emergency responders

Protective equipment:

Wear suitable hand, body and head protection.

6.2. Environmental precautions

Danger of pollution of drinking water when product enters the soil. Do not allow run-off from fire-fighting to enter drains or water courses. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment:

SHARDA EUROPE b.v.b.a

Label the container and provide warning statements to prevent any contact.

Methods for cleaning up:

Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Clean spills promptly. Wash contaminated area with large amounts of water.

6.4. Reference to other sections

Reference to other sections (8, 13).

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Additional hazards when processed:

Do not allow run-off from firefighting to enter drains or water courses. Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Precautions for safe handling:

Avoid contact with skin and eyes. Do not eat, drink or smoke in areas where product is used. Wash hands and other exposed areas with soap and water before leaving work. Remove contaminated clothing and shoes. Wash clothing and equipment after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures:

Keep only in the original container in a cool well ventilated place. Store in a dry, cool area. Protect from light.

Storage conditions:

When not empty dispose of this container at hazardous or special waste collection point. Containers remain hazardous when empty. Continue to observe all precautions.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium hydroxide, caustic soda (1310-73-2)		
United Kingdom	Local name	Sodium hydroxide
United Kingdom	WEL STEL (mg/m ³)	2 mg/m ³

SHARDA EUROPE b.v.b.a

8.2. Exposure controls

Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent).

Eye protection:

EC EN 166 "3". Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Respiratory protection:

Extra personal protection: P2 filter respirator for harmful particles.

Extra personal protection: P3 filter respirator for toxic particles.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Brown Gel

Odour: slight. Characteristic Odour

threshold: No data available

pH:5.69

Relative evaporation rate (butylacetate=1): No data available

Melting point: No data available

Freezing point: No data available

Boiling point: No data available

Flash point: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Flammability (solid, gas): No data available

Vapour pressure: No data available

Relative vapour density at 20 °C: No data available

Relative density: No data available

Solubility: No data available

Log Pow: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Explosive properties: No data available

Oxidising properties: No data available

Explosive limits: No data available

9.2. Other information

No additional information available

SHARDA EUROPE b.v.b.a

SECTION 10: Stability and Reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Fume. Carbon oxides (CO, CO₂). Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

Not classified

GEKO	
LD50 oral rat	5000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Imidacloprid (138261-41-3)	
LD50 oral rat	> 380 - 650 mg/kg bodyweight
LD50 dermal rat	> 5000 mg/kg bw/day
LC50 inhalation rat (mg/l)	> 5.323 mg/l/4h

Skin corrosion/irritation: Not classified

pH: 5.69

Serious eye damage/irritation: Not classified

pH: 5.69

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

SECTION 12: Ecological Information

Imidacloprid (138261-41-3)	
LC50 fishes 1	211 mg/l (Oncorhynchus mykiss)
EC50 Daphnia 1	85 mg/l (Daphnia magna)
ErC50 (algae)	39 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential Imidacloprid (138261-41-3)

Imidacloprid (138261-41-3)	
Log Pow	0.57

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal Considerations






13.1. Waste treatment methods

Regional legislation (waste): Disposal must be done according to official regulations.

SHARDA EUROPE b.v.b.a

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / AND

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
3077	3077	3077	3077	3077
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

14.6. Special precautions for user

14.6.1. Overland transport

Classification code (ADR): M7

Special provisions (ADR): 274, 335, 601

Limited quantities (ADR): 5kg

Excepted quantities (ADR): E1

Packing instructions (ADR): P002, IBC08, LP02, R001

Special packing provisions (ADR) :PP12, B3

Mixed packing provisions (ADR): MP10

Portable tank and bulk container instructions (ADR): T1, BK1, BK2

Portable tank and bulk container special provisions (ADR): TP33

Tank code (ADR): SGAV, LGBV

Vehicle for tank carriage: AT

Transport category (ADR): 3

Special provisions for carriage - Packages (ADR): V13

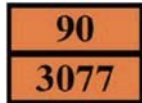
SHARDA EUROPE b.v.b.a

Special provisions for carriage - Bulk (ADR): VV1

Special provisions for carriage - Loading, unloading and handling (ADR) : CV13

Hazard identification number (Kemler No.): 90

Orange plates



Tunnel restriction code (ADR): E

EAC code 2Z

14.6.2. Transport by sea

Special provisions (IMDG): 274, 335, 966, 967

Limited quantities (IMDG): 5 kg

Excepted quantities (IMDG): E1

Packing instructions (IMDG): P002, LP02

Special packing provisions (IMDG): PP12

IBC packing instructions (IMDG): IBC08

IBC special provisions (IMDG): B3

Tank instructions (IMDG): T1, BK1, BK2, BK3

Tank special provisions (IMDG): TP33

Stowage category (IMDG): A

Stowage and segregation (IMDG): When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.

14.6.3. Air transport

PCA Excepted quantities (IATA): E1

PCA Limited quantities (IATA): Y956

PCA limited quantity max net quantity (IATA): 30kgG

PCA packing instructions (IATA): 956

PCA max net quantity (IATA): 400kg

CAO packing instructions (IATA): 956

CAO max net quantity (IATA): 400kg

Special provisions (IATA): A97, A158, A179

ERG code (IATA): 9L

14.6.4. Inland waterway transport

Classification code (ADN): M7

Special provisions (ADN): 274, 335, 61

Limited quantities (ADN): 5 kg

Excepted quantities (ADN): E1

Carriage permitted (ADN): T* B** Equipment required (ADN): PP, A

Number of blue cones/lights (ADN): 0

SHARDA EUROPE b.v.b.a

Additional requirements/Remarks (ADN): * Only in the molten state. ** For carriage in bulk see also 7.1.4.1. *** Only in the case of transport in bulk.

Not subject to ADN: No

14.6.5. Rail transport

Special provisions (RID): 274, 335, 601

Limited quantities (RID): 5kg

Excepted quantities (RID): E1

Packing instructions (RID): P002, IBC08, LP02, R001

Special packing provisions (RID): PP12, B3

Mixed packing provisions (RID): MP10

Portable tank and bulk container instructions (RID): T1, BK1, BK2

Portable tank and bulk container special provisions (RID): TP33

Tank codes for RID tanks (RID): SGAV, LGBV

Transport category (RID): 3

Special provisions for carriage - Packages (RID): W13

Special provisions for carriage - Bulk (RID): VW1

Special provisions for carriage - Loading, unloading and handling (RID): CW13, CW31

Colis express (express parcels) (RID): CE11

Hazard identification number (RID): 90 Carriage prohibited (RID): No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations: according to Regulation (EC) No. 453/2010.

15.1.2. National regulations

Refer to protective measures listed in Sections 7 and 8

15.2. Chemical safety assessment

Relevant national legislation applicable may be found in the national MSDS.

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

SHARDA EUROPE b.v.b.a

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
R22	Harmful if swallowed
R35	Causes severe burns
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
C	Corrosive
N	Dangerous for the environment
Xn	Harmful

Other data

Date of issue: 30.10.2014

Version: 0/UK

Replaces: -

Indication of changes: -

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product