

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SDS Ref.: 3\_1\_1

Date of issue: 2/10/2015 Revision date: 9/9/2015 Supersedes: 2/10/2015 Version: 1.2

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : SHEILA RB1 base

Type of product : Insecticide, Biocidal products (e.g. Disinfectants, pest control)

Product group : Biocide

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Insecticide

Function or use category : Pesticides, non-agricultural (Biocides)

#### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Belgagri

Rue des Tuiliers, 1 4480 Engis - Belgique

T +32 (0)85 519 519 - F +32 (0)85 519 510 belgagri@belgagri.com - www.belgagri.com

#### 1.4. Emergency telephone number

	.4. Lineigency telephone number			
Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111	
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

# **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment — Acute Hazard, Category 1 H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410

Full text of H statements : 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]

Signal word (CLP) : Warning
Hazardous ingredients : Azamethiphos

EN (English)

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#### 2.3. Other hazards

No additional information available

# **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Azamethiphos (Active substance (Biocide))	(CAS-No.) 35575-96-3 (EC-No.) 252-626-0	1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=10)

Full text of H-statements: see section 16

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general

: If you feel unwell, seek medical advice (show the label where possible). Never give

anything by mouth to an unconscious person.

First-aid measures after inhalation

: Allow the victim to rest. Assure fresh air breathing.

First-aid measures after skin contact

: Wash with plenty of water/.... Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: If skin irritation occurs: Get medical advice/attention. Wash

contaminated clothing before reuse.

First-aid measures after eye contact

: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness

persists.

First-aid measures after ingestion

: Rinse mouth. Obtain emergency medical attention. Do not induce vomiting.

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

Symptoms/effects after skin contact

: May cause an allergic skin reaction.

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

Antidote: atropine.

# **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media

: All extinguishing agents can be used. Foam. Dry powder. Carbon dioxide. Water spray.

Sand.

Unsuitable extinguishing media

: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

Firefighting instructions

: Prevent fire fighting water from entering the environment. Use water spray or fog for

cooling exposed containers. Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

# 6.1.1. For non-emergency personnel

Emergency procedures

: Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment

: Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

# 6.3. Methods and material for containment and cleaning up

For containment

: Collect spillage.

Methods for cleaning up

: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8.

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#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid breathing dust. Avoid contact with skin. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating,

drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Take any precaution to avoid mixing with Strong bases.

Hygiene measures : Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Contaminated work clothing should not

be allowed out of the workplace.

# 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Store in dry protected location to prevent any

moisture contact.

 $\begin{tabular}{ll} Incompatible products & : Strong bases. \\ Incompatible materials & : Direct sunlight. \\ Maximum storage period & : 2 year \\ Storage temperature & : $\leq 35 \circ C \\ \end{tabular}$ 

#### 7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Article 4, subparagraph 4 Order on the protection of young workers (OLT 5, RS 822.115) and Article 1, letter f Order of the DEFR on dangerous works for young workers (822.115.2)

: Young workers undergoing initial professional training cannot work with this product (this substance/this preparation) except where envisaged in the order of professional training to achieve the training purposes and if the training plan conditions and applicable age limits are respected. Young workers who do not undergo initial professional training cannot work with this product (this substance/this preparation). Workers of either sex aged under 18 years old are considered as young.

#### 8.2. Exposure controls

### Personal protective equipment:

Gloves. Avoid all unnecessary exposure.

#### Hand protection:

Wear protective gloves. Impermeable protective nitrile gloves

# Eye protection:

In case of dust production: protective goggles

# Personal protective equipment symbol(s):



#### **Environmental exposure controls:**

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

# **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state : Solid
Colour : Yellow.
Odour
Odour threshold : No data available
pH : No data available

pH solution : 7.07

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 : 87.8 °C

Auto-ignition temperature : No data available

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: No data available Decomposition temperature Flammability (solid, gas) : Non flammable. Vapour pressure : No data available : No data available Relative vapour density at 20 °C Relative density : 0.63 - 0.74 Solubility : No data available Log Pow : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available Explosive properties : Product is not explosive. Oxidising properties : No data available **Explosive limits** : No data available

### 9.2. Other information

No additional information available

### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

None under recommended storage and handling conditions (see section 7).

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

None under recommended storage and handling conditions (see section 7).

#### 10.4. Conditions to avoid

Moisture. Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong bases.

# 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Azamethiphos (35575-96-3)	
LD50 oral rat	500 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	0.5 - 1 mg/l/4h

Skin corrosion/irritation : Not classified

Additional information : Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified

Additional information : Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Azamethiphos (35575-96-3)	
NOAEL (chronic, oral, animal/male, 2 years)	0.5 mg/kg bodyweight
NOAEL (chronic, oral, animal/female, 2 years)	0.5 mg/kg bodyweight

Reproductive toxicity : Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-repeated exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

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Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met Potential adverse human health effects and : Based on available data, the classification criteria are not met.

symptoms

# SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : Very toxic to aquatic life.

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Azamethiphos (35575-96-3)	
LC50 fish 1	0.19 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 Daphnia 1	0.33 μg/l
ErC50 (algae)	74 mg/l
NOEC chronic crustacea	0.00012 mg/l

#### 12.2. Persistence and degradability

#### **SHEILA RB1** base

Persistence and degradability Not established.

Azamethiphos (35575-96-3)	
Persistence and degradability	Not biodegradable.
Biodegradation	17 %

#### 12.3. Bioaccumulative potential

### SHEILA RB1 base

Bioaccumulative potential Not established.

Azamethiphos (35575-96-3)	
Bioconcentration factor (BCF REACH)	< 2000
Log Pow	1 at 20 °C
Bioaccumulative potential	Not established.

#### 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

Additional information : Avoid release to the environment.

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose of contents/container to Dispose in a safe manner in accordance with

local/national regulations. Avoid release to the environment. Dispose in a safe manner in

accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

# **SECTION 14: Transport information**

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

### 14.1. UN number

 UN-No. (ADR)
 : 3077

 UN-No. (IMDG)
 : 3077

 UN-No. (IATA)
 : 3077

 UN-No. (ADN)
 : 3077

 UN-No. (RID)
 : 3077

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

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Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Proper Shipping Name (IATA) : Environmentally hazardous substance, solid, n.o.s.

Proper Shipping Name (ADN) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Proper Shipping Name (RID) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Transport document description (ADR) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

(Azamethiphos), 9, III, (E)

Transport document description (IMDG) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

(Azamethiphos), 9, III, MARINE POLLUTANT

Transport document description (IATA) : UN 3077 Environmentally hazardous substance, solid, n.o.s. (Azamethiphos), 9, III

Transport document description (ADN) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

(Azamethiphos), 9, III

Transport document description (RID) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

(Azamethiphos), 9, III

# 14.3. Transport hazard class(es)

#### **ADR**

Transport hazard class(es) (ADR) : 9
Danger labels (ADR) : 9



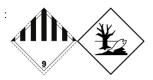
#### **IMDG**

Transport hazard class(es) (IMDG) : 9
Danger labels (IMDG) : 9



#### IATA

Transport hazard class(es) (IATA) : 9
Hazard labels (IATA) : 9



#### ADN

Transport hazard class(es) (ADN) : 9
Danger labels (ADN) : 9



# RID

Transport hazard class(es) (RID) : 9
Danger labels (RID) : 9



# 14.4. Packing group

Packing group (ADR) : III

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Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : III
Packing group (RID) : III

14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant : Yes

Other information : No supplementary information available

#### 14.6. Special precautions for user

**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 : T1, BK1, BK2

(ADR)

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

Special provisions for carriage - Bulk (ADR) : VV1

Special provisions for carriage - Loading, : CV13

unloading and handling (ADR)

Hazard identification number (Kemler No.) : 90

Orange plates :

90 3077

Tunnel restriction code (ADR) : E EAC code : 2Z

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
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Stowage category (IMDG) : A

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

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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

Rail transport

Classification code (RID) : M7

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 : TP33

(RID)

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

#### 14.7. Transport in bulk according to Annex II of Marpol 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

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition

regulations

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006. Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

#### Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products

This product contains biocidal products

Type of product (Biocide) : 18 - Insecticides, acaricides and products to control other arthropods

Authorisation number : 4011B

Contains : Azamethiphos (1 %)

Directive 2012/18/EU (SEVESO III)

#### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### **SECTION 16: Other information**

Abbreviations and acronyms:	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

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LD50	Median lethal dose
EC50	Median effective concentration
NOEC	No-Observed Effect Concentration
BCF	Bioconcentration factor
PBT	Persistent Bioaccumulative Toxic
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
NOAEL	No-Observed Adverse Effect Level
Data sources :	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information :	DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

Full text of H- and EUH-statements:		
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3	
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	
Skin Sens. 1	Skin sensitisation, Category 1	
H302	Harmful if swallowed.	
H317	May cause an allergic skin reaction.	
H331	Toxic if inhaled.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
EUH208	Contains Azamethiphos >95%(35575-96-3). May produce an allergic reaction.	

# 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

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