



# SAFETY DATA SHEET

## KNOX FLEA

Preparation Date 06-Dec-2014

Revision Date 06-Dec-2015

Revision Number: 1

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Identification of the product

Product Code IAL01  
Product Description: KNOX FLEA  
Pure substance/preparation Preparation

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

Recommended Use Insecticide

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

Supplier UPL LIMITED/ Cerexagri sas  
Bat. Galilée 3  
Parc Saint Christophe  
10, avenue de l'Entreprise.  
95863 CERGY PONTOISE  
FRANCE  
tel : +33 (0)1 30 17 88 00  
fax : +33 (0)1 30 17 88 20

E-mail Address contact.cerexagri@uniphos.com

#### 1.4 Emergency telephone number

Emergency Telephone Number **(CARECHEM 24): +44 (0) 1235 239670**

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the mixture

**Symbol(s)** N - Dangerous for the environment

**R-code(s)** R50/53

For the full text of the R phrases mentioned in this Section, see Section 16

### 2.2 Label Elements



**Symbol(s)**

N - Dangerous for the environment

**R -phrase(s)**

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**S -phrase(s)**

S 2 - Keep out of the reach of children

S13 - Keep away from food, drink and animal feedingstuffs

S20/21 - When using, do not eat, drink or smoke

S29/35 - Do not empty into drains; dispose of this material and its container in a safe way

S49 - Keep only in the original container

### 2.3 Other hazards

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

Chemical Name	EC No.	CAS-No	Weight %	Classification (Dir.67/548)	EU - GHS Substance Classification	REACH No.
1,2-Benzisothiazolin-3-one	220-120-9	2634-33-5	< 1	Xn; R22 Xi; R43 C;R34 N;R50	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)	No data available
Diazinon	206-373-8	333-41-5	20 - 30	N;R50-53 Xn;R22	Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available

For the full text of the R phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16

### 4. FIRST AID MEASURES

#### 4.1 Description of first-aid measures

<b>General Advice</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes Call a physician if irritation persists.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes
<b>Ingestion</b>	Call a POISON CENTER or doctor/physician if exposed or you feel unwell
<b>Inhalation</b>	Move to fresh air

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

No information available.

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

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable Extinguishing Media** Capsules suspension in water : use materials appropriate for surrounding fire.

**Unsuitable Extinguishing Media** No information available.

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

**Special hazard** No information available.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit

## 6. ACCIDENTAL RELEASE MEASURES

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

Evacuate personnel to safe areas  
Avoid contact with the skin and the eyes

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so  
Do not flush into surface water or sanitary sewer system

### 6.3 Methods and materials for containment and cleaning up

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### **Handling**

Ensure adequate ventilation  
Ensure that eyewash stations and safety showers are close to the workstation location  
Wear personal protective equipment

#### **Hygiene Measures**

When using do not drink.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place  
Keep at temperature not exceeding 40°C  
Store away from frost.

### 7.3 Specific end uses

No information available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

**Exposure limits** Apply technical measures to comply with the occupational exposure limits

Chemical Name	EU	United Kingdom	France	Spain	Germany
Diazinon			TWA: 0.1 mg/m <sup>3</sup>	S* TWA: 0.01 mg/m <sup>3</sup>	MAK: 0.1 mg/m <sup>3</sup> Ceiling / Peak: 0.2 mg/m <sup>3</sup> Skin TWA: 0.1 mg/m <sup>3</sup>

Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Diazinon		TWA: 0.1 mg/m <sup>3</sup>		TWA: 0.1 ppm TWA: 0.3 mg/m <sup>3</sup> Skin	TWA: 0.1 mg/m <sup>3</sup> Skin

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Diazinon	Skin STEL 0.4 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>	Skin STEL: 0.2 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>		TWA: 0.1 mg/m <sup>3</sup> Skin STEL: 0.3 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.3 mg/m <sup>3</sup> Skin

Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Diazinon	(ACGIH:) 70 % of baseline red blood cells discretionary Cholinesterase activity Nonspecific				

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2 Exposure controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas

#### **Personal protective equipment**

**Eye Protection** Safety glasses with side-shields.  
**Skin Protection** Long sleeved clothing.  
**Hand Protection** Protective gloves.  
**Respiratory Protection** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

**Environmental exposure controls** No information available.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	Beige
<b>Physical State</b>	Viscous liquid
	Capsule suspension
<b>Odor</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
<b>pH</b>	No information available	
<b>Melting point/freezing point</b>	0 °C	
<b>Boiling Point/Range</b>	Not available	
<b>Flash Point</b>	> 100 °C	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Bulk Density</b>	1035 - 1045 kg/m <sup>3</sup> (25°C)	Not known
<b>Water Solubility</b>	No information available	
<b>Solubility in other solvents</b>	dispersible	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition Temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available.	
<b>Viscosity</b>	No information available	
<b>Oxidizing Properties</b>	No information available	
<b>Explosive Properties</b>	No information available	

**9.2 Other information**

<b>VOC Content</b>	No information available
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**10. STABILITY AND REACTIVITY****10.1 Reactivity**

No information available.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of Hazardous Reactions**

No information available.

**10.4 Conditions to Avoid**

Avoid extreme high or low temperatures.

**10.5 Incompatible materials**

Metals.

**10.6 Hazardous decomposition products**

No information available

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**11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Acute Toxicity****Local effects****Inhalation**

There is no data available for this product.

**Eye Contact**

No eye irritation. (rabbit).

**Skin Contact**

No skin irritation. (rabbit).

**Ingestion**

There is no data available for this product.

**LD50 Oral**

&gt; 5000 mg/kg (rat)

**LD50 Dermal**

&gt; 2000 mg/kg (rat)

**LC50 Inhalation:**

&gt; 22.42 mg/L (rat)

**Chronic Toxicity****Skin corrosion/irritation**

No information available.

**Sensitization**

Skin: No sensitization responses were observed.

**Carcinogenic effects**

No information available

**Mutagenic Effects**

No information available

**Reproductive Effects**

No information available

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

LC50/48h/daphnia = 0.005 mg/l  
 LC50/fish/96 h = 28.6 mg/l

### 12.2 Persistence and degradability

No information available

### 12.3 Bioaccumulative potential

No information available

Chemical Name	log Pow
1,2-Benzisothiazolin-3-one	1.3
Diazinon	3.3

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances
Diazinon	Group II Chemical	

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

<b>Waste from Residues / Unused Products</b>	Dispose of in accordance with local regulations.
<b>Contaminated Packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal.
<b>EWC waste disposal No</b>	020108 - agrochemical waste containing dangerous substances.
<b>Other Information</b>	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.



**14. TRANSPORT INFORMATION****ADR/RID**

<b>14.1. UN-No</b>	3082
<b>14.2. Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s (diazinon)
<b>14.3. Hazard Class</b>	9
<b>14.4. Packing Group</b>	III
<b>14.5. Environmental hazard</b>	Dangerous for the environment
<b>14.6. Special Provisions</b>	
Tunnel restriction code	(E)

**IMDG/IMO**

<b>14.1. UN-No</b>	3082
<b>14.2. Proper Shipping Name</b>	Environmentally hazardous substances, liquid, n.o.s. (diazinon)
<b>14.3. Hazard Class</b>	9
<b>14.4. Packing Group</b>	III
<b>14.5. Environmental hazard</b>	Marine pollutant
<b>14.6. Special Provisions</b>	

**IATA/ICAO**

<b>14.1. UN-No</b>	3082
<b>14.2. Proper Shipping Name</b>	Environmentally hazardous substances, liquid, n.o.s. (diazinon)
<b>14.3. Hazard Class</b>	9
<b>14.4. Packing Group</b>	III
<b>14.5. Environmental hazard</b>	Dangerous for the environment
<b>14.6. Special Provisions</b>	

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

- To avoid risks to man and the environment, comply with the instructions for use

**International Inventories**

<b>TSCA</b>	Complies
<b>EINECS/ ELINCS</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>PICCS</b>	Complies
<b>ENCS</b>	Complies
<b>CHINA</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**15.2 Chemical Safety Assessment**

A chemical safety assessment has not been carried out.

**16. OTHER INFORMATION****Full text of R-phrases referred to under sections 2 and 3**

R22 - Harmful if swallowed

R34 - Causes burns

R43 - May cause sensitization by skin contact

R50 - Very toxic to aquatic organisms

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Full text of H-Statements referred to under sections 2 and 3**

H302 - Harmful if swallowed

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

**Revision Date** 06-Dec-2015**Revision Note** not applicable**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006****Disclaimer**

The information contained is based on our knowledge of the product at the date of publishing.

It applies to the PRODUCT AS SUCH. In case of formulation or mixture, make sure that a new danger will not appear.

Users are advised of possible additional hazards when the product is used in applications for which it was not intended.

This sheet shall only be used and duplicated for prevention and Safety purposes.

For rates and use recommendations, refer to the information displayed on the packaging.

It is the responsibility of the handlers of the product to pass on this safety data sheet to any subsequent persons who will come into contact with the product.

**End of Safety Data Sheet**