

## INTRUDER

Preparation Date 31-Mar-2014

Revision date 12-Dec-2014

Revision Number: 2

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Identification of the product

Product code ZAI16  
Product Description: INTRUDER  
Synonyms CHLORPROPHAM 400 G/L EC  
Pure substance/preparation Preparation

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended use Herbicide

#### 1.3 Details of the Supplier of the Safety Data Sheet

Supplier UPL Europe Ltd  
The Centre  
Birchwood Park  
Warrington  
WA3 6YN Cheshire  
UK  
Telephone +44 (0) 1925 819999  
Telefax +44 (0) 1925 856075  
E-mail address info.uk@uniphos.com

#### 1.4 Emergency Telephone Number

Emergency telephone number **(CARECHEM 24): +44 (0) 1235 239670**

United Kingdom NHS no. 111

## 2. Hazards Identification

### 2.1 Classification of the mixture

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

<b>Symbol(s)</b>	Xn - Harmful N - Dangerous for the environment
<b>R-code(s)</b>	Carc. cat. 3;R40 Xn;R48/22 Xn;R65 R67 Xi;R36/38 R43 N;R51/53

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

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

Aspiration toxicity	Category 1 - H304
Skin Corrosion/Irritation	Category 2 - H315
Serious Eye Damage/Irritation	Category 2 - H319
Skin sensitization	Category 1 - H317
Carcinogenicity	Category 2 - H351
STOT - Single Exposure	Category 3 - H336
STOT - Repeated Exposure	Category 2 - H373
Chronic aquatic toxicity	Chronic - 2 - H411

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

### 2.2 Label elements

#### Labelling according to EU Directives 67/548/EEC or 1999/45/EC



#### Symbol(s)

Xn - Harmful  
N - Dangerous for the environment

#### R -phrase(s)

R36/38 - Irritating to eyes and skin  
R40 - Limited evidence of a carcinogenic effect  
R43 - May cause sensitization by skin contact  
R48/22 - Also harmful: danger of serious damage to health by prolonged exposure if swallowed  
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R65 - Harmful: may cause lung damage if swallowed  
R67 - Vapours may cause drowsiness and dizziness

#### 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  
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

S51 - Use only in well ventilated areas  
S57 - Use appropriate container to avoid environmental contamination  
S60 - This material and its container must be disposed of as hazardous waste  
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets  
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

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



signal word

**DANGER**

#### hazard statements

H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H351 - Suspected of causing cancer  
H373 - May cause damage to organs through prolonged or repeated exposure  
H411 - Toxic to aquatic life with long lasting effects

#### Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use  
P260 - Do not breathe spray  
P273 - Avoid release to the environment  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P309 - IF exposed or if you feel unwell:  
P310 - Immediately call a POISON CENTER or doctor/ physician  
P331 - Do NOT induce vomiting  
P501 - Dispose of contents/ container in accordance with national regulation

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P362 - Take off contaminated clothing and wash before reuse

#### EU Specific Hazard Statements

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

### 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.
Chlorpropham	202-925-7	101-21-3	40 - 50	Carc.Cat.3; R40 Xn; R48/22 N; R51/53	STOT RE 2 (H373) Carc. 2 (H351) Aquatic Chronic 2 (H411)	no data available
Hydrocarbons, C10, aromatics, <1% naphthalene	265-198-5	64742-94-5	50 - 60	Xn;R65 R66 R67 N;R51/53	STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) (EUH066)	no data available
Blend of anionic and nonionic surfactants	-	-	1 - 5	R10 Xi;R37/38 Xi;R41 R67 R52/53	STOT SE 3 (H335) STOT SE 3 (H336) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)	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>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists, consult a specialist
<b>Skin contact</b>	Wash off immediately with plenty of water If symptoms persist, call a physician
<b>Ingestion</b>	Do NOT induce vomiting Never give anything by mouth to an unconscious person Call a physician or poison control center immediately
<b>Inhalation</b>	Move to fresh air Call a POISON CENTER or doctor/physician if you feel unwell

### 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

<b>Suitable extinguishing media</b>	Carbon dioxide (CO <sub>2</sub> ) Foam Dry powder
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.

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

<b>Special Hazard</b>	Burning produces obnoxious and toxic fumes
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### 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  
Wear protective gloves/clothing and eye/face protection.

### 6.2 Environmental Precautions

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

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

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container

## 7. Handling and Storage

### 7.1 Precautions for Safe Handling

#### **Handling**

Provide adequate ventilation  
Ensure that eyewash stations and safety showers are close to the workstation location  
Avoid contact with skin, eyes and clothing  
Wear protective gloves/clothing and eye/face protection.

#### **Hygiene Measures**

Do not eat, drink or smoke when using this product  
Wash hands after handling

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

Keep container tightly closed in a dry and well-ventilated place

### 7.3 Specific end uses

No information available.

## 8. Exposure Controls/Personal Protection

### 8.1 Control Parameters

<b>Exposure Limits</b>	Apply technical measures to comply with the occupational exposure limits
<b>Derived No Effect Level (DNEL)</b>	No information available
<b>Predicted No Effect Concentration (PNEC)</b>	No information available

### 8.2 Exposure Controls

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

#### **Personal Protective Equipment**

<b>Eye protection</b>	Safety glasses with side-shields.
<b>Skin protection</b>	Long sleeved clothing.
<b>Hand protection</b>	Protective gloves.
<b>Respiratory protection</b>	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>	light brown
<b>Physical state</b>	liquid
<b>Odor</b>	Emulsifiable concentrate No information available

<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
<b>pH</b>	3.9	
<b>Melting point/freezing point</b>	No information available	
<b>Boiling Point/Range</b>	Not Available	
<b>flash point</b>	63 °C	
<b>flammability (solid, gas)</b>	Not Applicable	
<b>Surface tension</b>	31 mN/m	
<b>Relative Density</b>	1.00	
<b>Water solubility</b>	Miscible with water	
<b>Solubility in Other Solvents</b>	No information available	
<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>	6 mm <sup>2</sup> /s	
<b>Oxidizing properties</b>	No information available	
<b>Explosive properties</b>	No information available	

### 9.2 OTHER INFORMATION

**VOC Content** No information available

## 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

Keep away from open flames, hot surfaces and sources of ignition

### 10.5 Incompatible Materials

Acids  
Oxidizing agents.

### 10.6 Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapours

## 11. Toxicological Information

### 11.1 Information on Toxicological Effects

#### Acute toxicity

#### Local effects

Inhalation

There is no data available for this product.

Eye contact

Irritating to eyes.

Skin contact

Irritating to skin.

Ingestion

There is no data available for this product.

LD50 Oral

> 2000 mg/kg (rat)

LD50 Dermal

> 4000 mg/kg (rat)

#### Chronic toxicity

Skin Corrosion/Irritation

No information available.

sensitization

May cause sensitization by skin contact.

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

EC50/72h/algae = 0.86 mg/L  
 EC50/48h/daphnia = 3.54 mg/L  
 LC50/fish/96 h = 3.85 mg/L

### 12.2 Persistence and Degradability

No information available

### 12.3 Bioaccumulative Potential

No information available

Chemical name	Log Pow
Hydrocarbons, C10, aromatics, <1% naphthalene	2.9 - 6.1

### 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.

## 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

14.1 UN-No	UN3082
14.2 Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. Chlorpropham
14.3 Hazard class	9
14.4 Packing group	III
14.5 Environmental Hazard	Yes
14.6 Special Provisions	274, 335, 601
Tunnel restriction code	(E)

### IMDG/IMO

14.1 UN-No	UN3082
14.2 Proper shipping name	Environmentally hazardous substance, liquid, n.o.s Chlorpropham
14.3 Hazard class	9
14.4 Packing group	III
14.5 Environmental Hazard	Marine pollutant
14.6 Special Provisions	274, 335

### IATA/ICAO

14.1 UN-No	UN3082
14.2 Proper shipping name	Environmentally hazardous substance, liquid, n.o.s Chlorpropham
14.3 Hazard class	9
14.4 Packing group	III
14.5 Environmental Hazard	Yes
14.6 Special Provisions	A97, A158

## 15. Regulatory Information

### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Registration n° MAPP 15076

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

### International Inventories

TSCA	Complies
EINECS/ ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Complies
China	-
AICS	Complies
KECL	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 Chemical Substances/European 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.

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

R10 - Flammable  
R40 - Limited evidence of a carcinogenic effect  
R41 - Risk of serious damage to eyes  
R43 - May cause sensitization by skin contact  
R65 - Harmful: may cause lung damage if swallowed  
R66 - Repeated exposure may cause skin dryness or cracking  
R67 - Vapours may cause drowsiness and dizziness

R36/38 - Irritating to eyes and skin  
R37/38 - Irritating to respiratory system and skin  
R48/22 - Also harmful: danger of serious damage to health by prolonged exposure if swallowed  
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R52/53 - Harmful 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**

H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H351 - Suspected of causing cancer  
H373 - May cause damage to organs through prolonged or repeated exposure  
H411 - Toxic to aquatic life with long lasting effects  
EUH066 - Repeated exposure may cause skin dryness or cracking  
EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

**Revision date** 12-Dec-2014

**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**