	SAFETY DATA SHEET	No.: KCh/P-AP/275
	<b>HAKSAR® COMPLEX 260 EW</b> <b>(Irlandia)</b>	Revision: 1
		Date issued: 26.03.2018
		Date of first issue: 26.03.2018
Supersedes: -		Page1 of 12

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

### 1.1 Product identifier

Trade name: **HAKSAR® COMPLEX 260 EW**  
 Chemical Name: not applicable, the product is a mixture  
 EC Number: not applicable  
 Registration number: mixture - not subject to registration under REACH regulation.

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

Identified uses:

A plant protection herbicide in a liquid form for the preparation of aqueous emulsion, for foliar application, intended to control dicotyledonous weeds in the cultivation of summer and winter cereals on grasslands (lawns, sports pitches and golf courses), only for professional use.

Uses advised against: any other than listed above.

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

**Supplier:** CIECH SARZYNA SPÓŁKA AKCYJNA  
**Address:** ul. Chemików 1, 37-310 Nowa Sarzyna, Poland  
**Telephone/Fax:** + 48 (17) 2407 416 between 7.00 - 15.00  
 + 48 (17) 2407 122  
 e-mail address of the person responsible for this Safety Data Sheet: ZcsMsds@ciechgroup.com

### 1.4 Emergency telephone number

998 (fire service), 999 (rescue service), 112 (emergency phone number).

## Section 2: Hazard identification


### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No.1272/2008 (as amended)\*

Eye Dam.1 **H318** Causes serious eye damage  
 Skin Irrit. 2 **H315** Causes skin irritation.  
 Aquatic Chronic 2 **H411** Toxic to aquatic life with long lasting effects.

Ciech Sarzyna S.A.

ul. Chemików 1, 37-310 Nowa Sarzyna  
 Tel.: (+48 17) 240 71 11, Fax (+48 17) 240 71 22, e-mail: [sarzyna@ciechgroup.com](mailto:sarzyna@ciechgroup.com)

	<b>SAFETY DATA SHEET</b>	No.: KCh/P-AP/275
	<b>HAKSAR® COMPLEX 260 EW</b>  <b>(Irlandia)</b>	Revision: 1
		Date issued: 26.03.2018
		Page2 of 12

## 2.2 Label elements

Hazard pictograms and warning phrase



**DANGER**

(Pictograms - black symbols on a white background with red border)

Product identifier

### **HAKSAR® COMPLEX 260 EW**

This product contains:

MCPA (compound of phenoxyacids group) as potassium salt

Fluroxypyr (compound of pyridinecarboxylic acid derivatives group) as meptyl ester

Clopyralid (compound of carboxylic acid derivatives group) as monoethanolamine salt

Hazard Statements:

**H 315** - Causes skin irritation.

**H 318** - Causes serious eye damage

**H 411** - Toxic to aquatic life with long lasting effects.

**EUH 401** - To avoid hazards to human health and the environment, follow the instructions for use.

Precautionary Statements:

**P 280** - Wear protective gloves, protective clothing, eye protection or face protection.

**P 310** - Immediately call a POISON CENTRE or a doctor/physician.

**P 302 + P 352** - IF ON SKIN: Wash with plenty of water and soap.

**P 305 + P 351 + P 338** - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P 332 + P 313** - If skin irritation occurs: Seek medical advice/attention.

## 2.3 Other hazards

The mixture constituents do not meet the PBT or vPvB criteria according to Annex XIII of the REACH Regulation.


## Section 3: Composition / information on ingredients

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

<u>Substance<sup>1)</sup>:</u>	<u>Content [%]</u>	<u>Classification according to Regulation (EC) No.1272/2008 (as amended)<sup>2)</sup></u>
<u>Potassium salt of MCPA<sup>1)</sup></u> Chemical Name: potassium 4-chloro-o-tolyloxyacetate CAS Number: 5221-16-9 EC Number: 226-015-4 Index number: 607-052-00-9	approx. 22 %	Acute Tox. 4 H332 Acute Tox. 4 H312 Acute Tox. 4 H302 Aquatic Acute 1 H400 Aquatic Chronic 1 H410

	<b>SAFETY DATA SHEET</b>	No.: KCh/P-AP/275
	<b>HAKSAR® COMPLEX 260 EW</b>  <b>(Irlandia)</b>	Revision: 1
		Date issued: 26.03.2018
		Page 3 of 12

Registration No.: not applicable (Art. 15 of the REACH regulation)		
<u>Meptyl fluroxypyr<sup>1)</sup></u> Chemical Name: (4-amino-3,5-dichloro-6-fluoro-2-pyridyloxy) methylheptyl acetate CAS Number: 81406-37-3 EC Number: 279-752-9 Index number: 607-272-00-5 Registration No.: not applicable (Art. 15 of the REACH regulation)	approx. 5,3 %	Aquatic Acute 1 H400 Aquatic Chronic 1 H410
<u>Monoethanolamine salt of 3,6-dichloropyridine-2-carboxylic acid:</u> CAS Number: 57754-85-5 EC Number: 260-929-4 Index number: - Registration No.: not applicable (Art. 15 of the REACH regulation)	approx. 2,4 %	Not classified
<u>Alcohols, C12-15, ethoxylated 3-5 TE</u> CAS Number: 68131-39-5 EC number: polymer Index number: - Registration No.: not applicable	< 20 %	Eye Dam. 1 H318 Aquatic Acute 1 H400
<u>Hydrocarbons, C10, aromatic, &lt;1% naphthalene</u> CAS Number: - EC Number: 918-811-1 Index No.: not applicable Registration No.: 01-2119463583-34	< 8 %	Asp. Tox. 1 H304 STOT SE 3 H336 Aquatic Chronic 2 H411
Sulphuric acid, mono-C12-C14 alkyl esters, sodium salts CAS Number: 85586-07-8 EC Number: 287-809-4 Index number: - Registration No.: 01-2119489463-28-0004	< 5 %	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 Aquatic Chronic 3 H412
<u>2-phenoxyethanol</u> CAS Number: 122-99-6 EC Number: 204-589-7 Index number: 603-098-00-9 Registration No.: 01-2119488943-21-XXXX	< 5 %	Acute Tox. 4 H302 Eye Irrit. 2 H319


1) - Classification of the substance given in accordance with Table 3.1 of Regulation (EC) No. 1272/2008 (as amended) - see Section 15.1 of this SDS.

2) - Full text of abbreviations, symbols and H statements - see Section 16 of this SDS.

## Section 4: First Aid Measures

### 4.1 Description of first aid measures

Contact with skin: remove the contaminated clothing and shoes. Thoroughly wash the exposed parts of the skin with soapy water. If signs of irritation / sensitisation occur, consult a doctor.

	<b>SAFETY DATA SHEET</b>	No.: KCh/P-AP/275
	<b>HAKSAR® COMPLEX 260 EW</b>  <b>(Irlandia)</b>	Revision: 1
		Date issued: 26.03.2018
		Page 4 of 12

Contact with eyes: consult the ophthalmologist. Protect non-affected eye, remove contact lenses. Thoroughly wash contaminated eyes with water for 10-15 minutes. Avoid strong water jet as this poses risk of mechanical damage to cornea. After washing wear sterile eye patch.

Ingestion: call for medical assistance immediately and show the container or label. Do not induce vomiting. Thoroughly wash the mouth with water and drink plenty of water afterwards. Never give anything to drink to an unconscious person.

Inhalation: move the affected person to fresh air, provide warmth and rest. If any worrying symptoms develop seek medical attention.

#### 4.2 Major acute and delayed symptoms and effects of exposure

Contact with skin: sensitive individuals may experience redness, dry skin, itching, rash or other skin lesions.

Contact with eyes: possible redness, lacrimation, burning sensation, and pain.

If swallowed: possible irritation of the digestive tract, abdominal pain, and nausea.

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

Decision on suitable further treatment is made by the doctor after assessing the condition of the affected person. In severe intoxication give anti-liver damage drugs; control heart and circulatory system function. Antidote - none.

Apply symptomatic treatment.

### Section 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media: water spray, foam, carbon dioxide and dry powder. The product is solid (granules). Adapt the extinguishing media to materials stored in the immediate vicinity.

Unsuitable extinguishing media: compact water jets.

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

The mixture is hazardous to the environment. Combustion reaction may produce dangerous vapours and gases containing carbon oxides, nitrogen oxides and chloride or fluorine compounds. Avoid inhaling combustion products as they may pose a threat to health.

#### 5.3 Advice for firefighters

General protection measures in case of fire. Do not stay in the area at risk of fire without proper clothing. Recommended personal protective equipment for the rescue services: full protective gear, self-contained breathing apparatus. Post-extinguishing waters should be handled as described in Section 6.2.

### Section 6: Accidental release measures


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

For non emergency responders: restrict access of unauthorised persons to the affected area until all cleaning operations have been completed. Use personal protective equipment. Avoid contact with skin and eyes. Provide adequate ventilation.

For emergency responders: ensure that all activities were performed by trained personnel only. Wear protective clothing and personal protective equipment resistant to chemicals.

#### 6.2 Environmental precautions

In case of release of large quantities of the mixture, take necessary steps to prevent spreading in the environment. Notify the relevant emergency services. Warn others of the hazard. Similar precautions should be also applied for the post-extinguishing water (Section 5).

	<b>SAFETY DATA SHEET</b>	No.: KCh/P-AP/275
	<b>HAKSAR® COMPLEX 260 EW</b>  <b>(Irlandia)</b>	Revision: 1
		Date issued: 26.03.2018
		Page5 of 12

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

For large spills, embank the accumulating mixture and pump into suitable sealed and labelled containers and submit for recycling or disposal in accordance with the provisions of the Waste Act. In order to remove the remains and small amounts of spilled mixture use binding agent kits, if available, or diatomite or sand. Binding agent containing a mixture must be collected to suitable, sealed and labelled waste containers and submitted for recovery or disposal in accordance with the provisions of the Waste Act.

### 6.4 References to other sections

Product waste handling - see Section 13 of this SDS.  
 Personal protective equipment - see Section 8 of this SDS.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Observe relevant occupational health and safety rules. Avoid spills, skin and eyes contamination, contact with the respiratory system and clothing. Remove contaminated clothing and protective equipment before entering eating areas.

Before break and after work wash hands with soapy water. Keep the containers with mixture sealed.

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

Store in original, sealed containers, in dry and ventilated storage rooms, at temperatures from 0 to 30°C. Keep away from food, animal feed, dishes for food, in places inaccessible to unauthorized persons, particularly children. Observe regulations, rules and recommendations for plant protection products. Take all necessary measures to prevent accidental release of a mixture to drains, water bodies, rivers and soil due to for example leaking packaging.

Material suitable for packaging: PE/PA (polyethylene/polyamide), paint-coated steel sheet, glass.

Shelf-life of the mixture: 3 years.

### 7.3 Special end use(s)

The mixture is a plant protection herbicide. When applying the product on plants, follow the guidelines given in the label-instructions for use provided with the product.

In the production process of the mixture, follow the guidelines given in this Safety Data Sheet and instructions relevant for the process.

## Section 8: Exposure controls/personal protection


### 8.1 Control parameters

Maximum acceptable concentrations of the substance in the workplace in Poland in accordance with Annex No. 1 of the Ordinance of the Minister of Labour and Social Policy of 6 June 2014 on maximum acceptable concentrations and intensities of factors harmful to health in the workplace (Journal of Laws of 2014, item 817) have not been established for the mixture components listed in Section 3.2 of this SDS.

### 8.2 Exposure controls

Follow general occupational health and safety rules. Use personal protective measures listed in Section 8.2.2. Do not eat, drink or smoke when using the substance. Wash hands thoroughly with soapy water before breaks and after work.

#### 8.2.1 Appropriate engineering controls

	<b>SAFETY DATA SHEET</b>	No.: KCh/P-AP/275
	<b>HAKSAR® COMPLEX 260 EW</b>  <b>(Irlandia)</b>	Revision: 1
		Date issued: 26.03.2018
		Page 6 of 12

Apply the procedures for monitoring the concentrations of hazardous substances in the air, as well as procedures for the air purity monitoring in the workplace - provided they are available and reasonable for a given function - in accordance with the relevant reference methods - standards in force in Poland. The mode, type and frequency of testing and measurements shall comply with the requirements set out in the Ordinance of the Minister of Health of 2 February 2011 on testing and measurement of factors harmful to health in the work environment (Journal of Laws, no. 33, item 166 as amended).

### 8.2.2 Individual protection measures, such as personal protective equipment

Personal protective equipment shall comply with the requirements of the Ordinance of the Minister of Economy of 21 December 2005 on basic requirements for personal protective equipment (Journal of Laws no. 259, item 2173) and Regulation (EU) 425/2016. Employer shall provide protection measures appropriate to the activities, including their maintenance and cleaning.

#### a) Eye or face protection

Use protective glasses (goggles) or face protection.

#### b) Skin protection

##### Hand protection

Wear suitable gloves resistant to chemical agents (neoprene, butyl or rubber with a minimum thickness of 0,4 mm) - tested in accordance with EN 374.

##### Body protection

Wear protective clothing and footwear suitable for the type of the performed activities. Soiled clothing should be regularly washed.

#### c) Respiratory protection

In well ventilated working areas personal respiratory protection is not required. In other cases, use half-respirators or respirators with filters that absorb vapours of organic compounds.


### 8.2.3 Environmental exposure control

In order to limit the impact on the environment and human health, follow the recommendations of this MSDS. In places where the product is handled, provide efficient ventilation systems with filters preventing the emission of organic compounds vapours into air. Do not contaminate water with the product or its packaging. Protect from releasing the product or its packaging into drains, water bodies, rivers, groundwater and soil. It is prohibited to recycle or dispose of the product, packaging and packaging waste outside systems or machines designed for this purpose, satisfying the requirements set out in the provisions of the Waste Act.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

physical state:	clear liquid
colour:	amber
odour:	aromatic
odour threshold:	not determined
pH-value, 1 % emulsion:	approx. 6,7
melting/ <u>freezing</u> point:	< 0°C
initial boiling point:	approx. 100°C
flash point:	no ignition up to boiling temperature
evaporation rate:	no data available
flammability (solid, gas):	not applicable
vapour pressure (25°C):	no data available
vapour density:	no data available
specific density (20°C):	approx. 1.1 g/ml

	<b>SAFETY DATA SHEET</b>	No.: KCh/P-AP/275
	<b>HAKSAR® COMPLEX 260 EW</b>  <b>(Irlandia)</b>	Revision: 1
		Date issued: 26.03.2018
		Page 7 of 12

solubility in water:	emulsifies
solubility in organic solvents: no data available	
partition coefficient: n-octanol/water:	log P <sub>ow</sub> = 1,9 (at pH=4) ; -0,21 (at pH=7) (for MCPA) log P <sub>ow</sub> = - 1,81 (at pH 5), - 2,63 (at pH 7) (for clopyralic) log P <sub>ow</sub> = 4,5 at pH = 7 (for meptyl fluroxypyr)
auto-ignition temperature:	470 °C
decomposition temperature:	not applicable
viscosity (20°C):	104 ÷ 155 mPa·s
explosive properties:	the mixture has no explosive properties
upper/lower explosive limit:	not determined
oxidising properties:	the mixture has no oxidising properties

## 9.2 Other information (\*)

Surface tension: 24,5 mN/m

## Section 10: Stability and reactivity

### 10.1 Reactivity

The mixture is stable under recommended conditions of storage and use (Section 7.2).

### 10.2 Chemical stability

The product is stable when used and stored properly.

### 10.3 Possibility of hazardous reactions

None when handled in accordance with the intended use and conditions of use and when stored in the recommended conditions.

### 10.4 Conditions to avoid

Avoid temperatures below 0 °C or above 30°C.

### 10.5 Incompatible materials

Avoid contact with strong acids, bases and oxidants.

### 10.6 Hazardous decomposition products

None when used and stored as recommended - may occur in fire (see Section 5.2).

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

Information on the acute and/or delayed effects of exposure have been determined on the basis of toxicological studies.

#### Acute Toxicity

LD<sub>50</sub> (oral) rat: > 2000 mg/kg b.w.

LD<sub>50</sub> (skin) rat: > 2000 mg/kg b.w.

#### Primary skin irritation (rabbit)

Causes skin irritation.

#### Primary eye irritation (rabbit)

Causes serious eye damage.


#### Sensitisation

Non sensitising.

#### Carcinogenicity, mutagenicity and adverse effects on reproduction

Mixture components have no mutagenic, teratogenic or carcinogenic effect.



	<b>SAFETY DATA SHEET</b>	No.: KCh/P-AP/275
	<b>HAKSAR® COMPLEX 260 EW</b>  <b>(Irlandia)</b>	Revision: 1
		Date issued: 26.03.2018
		Page 8 of 12

## Section 12: Ecological information

### 12.1 Toxicity

Acute toxicity to trout (*Oncorhynchus mykiss*):  $LC_{50}$  (96h) = 8,16 mg/l  
 Acute toxicity to daphnia (*Daphnia magna*):  $EC_{50}$  (48h) = 2,61 mg/l  
 NOEC for Daphnia magna (*Daphnia magna*) after 48 h: NOEC = 1,8 mg/l  
 Toxicity to algae (*Pseudokirchneriella subcapitata*):  $E_yC_{50}$  (72 h) = 1,48 mg/l  
 (Inhibition of biomass gain)

#### Toxicity to honeybees:

Acute oral toxicity at 24, 48, 72, and 96 h:  $LD_{50} > 200$  µg/bee  
 Acute contact toxicity at 24, 48, 72, and 96 h:  $LD_{50} > 200$  µg/bee

### 12.2 Persistence and degradability

#### MCPA

Biodegradability in water: 100 % degradation after 16 days (OECD 302 B method)  
 Persistence in aquatic sediments -  $DT_{50}$  (water + sediment system) 21,9 ÷ 25,1 days; (OECD 308 method)  
 Persistence in soil  $DT_{50}$ : 3,7 ÷ 7,1 days; (OECD 307 method)

#### Clopyralid

Does not hydrolyse in water nor is subject to photolytic degradation, not prone to specific biodegradation in water. Undergoes microbial degradation in soil (primary product is CO<sub>2</sub>). Aerobic degradation of the above substance in soil depends on its initial concentration in soil, and the soil temperature and humidity:  $DT_{50}$  = 14 - 56 days (BBA guidelines) and 2 - 94 days (USA guidelines). Clopyralid does not undergo photolysis in soil.

#### Meptyl fluroxypyr

Degradability in soil:  $DT_{50}$  is from 3 to 20 days  
 Degradability in water:  $DT_{50}$  is 3,2 days at pH=9  
 Photolysis in soil:  $DT_{50}$  is 153 days  
 Photolysis in water:  $DT_{50}$  is 63 days at pH=7

### 12.3 Bioaccumulative potential

The active substances in the mixture do not bioaccumulate in fish.

#### MCPA

Bioconcentration factor: BCF = 0,4  
 Partition coefficient n-octanol/water:  $\log P_{ow} = 1,9$  (at pH=4) ; -0,21 (at pH=7)

#### Clopyralid

Bioconcentration factor in fish - BCF < 1  
 n-octanol/water partition coefficient -  $\log P_{ow} = -1,81$  (at pH 5), -2,63 (at pH 7), -2,55 (at pH 9)

#### Meptyl fluroxypyr

n-octanol/water partition coefficient:  $\log P_{ow} = 4,5$  at pH = 7

### 12.4 Mobility in soil

#### MCPA


Organic carbon adsorption equilibrium coefficient  $K_{oc}$  is 25,41 – 214,29 cm<sup>3</sup>/g (for different types of soil with different pH values)

Surface tension (25°C): 61,9 mN/m (90% saturation concentration of MCPA in water)

#### Clopyralid

Adsorption coefficient in soil  $K_{oc} = 0,4$  – 12,9 ml/g.



	<b>SAFETY DATA SHEET</b>	No.: KCh/P-AP/275
	<b>HAKSAR® COMPLEX 260 EW</b>  <b>(Irlandia)</b>	Revision: 1
		Date issued: 26.03.2018
		Page 9 of 12

The value of  $K_{oc}$  coefficient indicates high mobility of the substance in soil, however, the results of decay in soil tests and lysimetric studies carried out in field conditions indicate a fairly quick degradation and limited movement in soil.

Meptyl fluroxypyr

Equilibrium organic carbon adsorption coefficient:  $K_{oc} = 24,600 \text{ cm}^3/\text{g}$ . The substance is not mobile in soil.

**12.5 Results of PBT and vPvB assessment**

Substances in the mixture do not meet the PBT or vPvB criteria according to Annex XIII of the REACH Regulation.

**12.6 Other harmful effects**

The product does not affect global warming and ozone layer depletion.

REGULATION (EC) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer. (UE L 286/1 as amended)

**Section 13: Disposal considerations**

**13.1 Methods of waste disposal**

The holder of mixture waste and packaging waste is required to handle the waste in accordance with the principles of waste management specified in the Act on packaging and packaging waste, Act on waste and the environmental protection requirements.

The produced waste mixture and packaging waste must be stored, transported, recovered, including recycling or disposed of in accordance with the provisions of the Waste Act and the related regulations.

Empty packaging must be rinsed with water three times, and the rinsings are to be transferred into the sprayer working solution tank, and treated as working solution.

It is not allowed to use plant protection product empty packaging for any other purposes. Unused plant protection product, as well as the contaminated packaging must be submitted to an authorized hazardous waste disposal company.

Classify waste using the appropriate names and codes in accordance with the applicable waste catalogue.

Disposal of waste into the soil and earth, drains, rivers, water bodies is prohibited.

European Law Regulations:

EUROPEAN PARLIAMENT AND COUNCIL DIRECTIVE 94/62/EC of 20 December 1994 on packaging and packaging waste (UE L 365/10)

DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives (UE L 312/3)

**Section 14: Transport information**

**14.1 UN Number**

3082

**14.2 UN correct shipping name**

HARMFUL TO THE ENVIRONMENT, LIQUID MATERIAL, I.N.O. (MCPA, Fluroxypyr)


**14.3 Hazard class(es) in transport**

9

**14.4 Packing Group**

III

**14.5 Environmental hazards**

	<b>SAFETY DATA SHEET</b>	No.: KCh/P-AP/275
	<b>HAKSAR® COMPLEX 260 EW</b>  <b>(Irlandia)</b>	Revision: 1
		Date issued: 26.03.2018
		Page 10 of 12

The mixture is hazardous for the environment.

#### 14.6 Special precautions for user

When handling during the transport, use PPE in accordance with Section 8.

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

Not applicable.


##### Additional information:

In accordance with special provision no. **375**, a material transported in unit packaging or combined packaging, if unit packaging or inner packaging of combined packaging contains no more than 5 litres net of the material, it shall not be subject to other ADR provisions, provided that the packaging meets the requirements specified in sections **4.1.1.1**, **4.1.1.2** and **4.1.1.4** to **4.1.1.8** of the ADR Agreement.

### Section 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or preparation

- Regulation (EC) No.1107/2009 of the European Parliament and of the Council of 21 October 2009 on plant protection products marketing and repealing the Council Directives 79/117/EEC and 91/414/EEC (Official Journal of the EU L 309/1 of 24 November 2009 as amended).
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC, and 2000/21/EC, (Official Journal of the EU L 396/1 of 30 December 2006 as corrected and amended),
- 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, as well as amending Regulation (EC) No 1907/2006 (Official Journal of the EU L 353/1 of 31 December 2008 as amended),
- Amendment of the 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, as well as amending Regulation (EC) No 1907/2006 (Official Journal of the EU L 16/1 of 20/01/2011).
- Ordinance of the European Parliament and of the Council (EC) No. 1336/2008 of 16 December 2008 amending the Ordinance (EC) No. 648/2004 to adapt it to the Ordinance (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (Official Journal of the EU L 354/60 of 31 December 2008),
- Commission Regulation (EC) No 790/2009 of 10 August 2009 adapting to scientific and technical progress Regulation of the European Parliament and of the Council (EC) no 1272/2008 of 16 December 2008 on the classification, labelling and packing of substances and mixtures (Official Journal of the EU L 235/52 of 5 September 2009),
- Commission Regulation (EC) No. 286/2011 of 10 August 2009 adapting to scientific and technical progress Regulation of the European Parliament and of the Council (EC) no. 1272/2008 of 16 December 2008 on the classification, labelling and packing of substances and mixtures (Official Journal of the EU L 83/1 of 30 March 2011).
- Regulation of the European Parliament and of the Council (EC) No. 1005/2009 of 16 September 2009 on ozone-depleting substances, (Official Journal of the EU L 286 of 31 October 2009 as amended).

	<b>SAFETY DATA SHEET</b>	No.: KCh/P-AP/275
	<b>HAKSAR® COMPLEX 260 EW</b>  <b>(Irlandia)</b>	Revision: 1
		Date issued: 26.03.2018
		Page 11 of 12

## 15.2 Chemical Safety Assessment

Assessed as plant protection product.

### Section 16: Other information

#### Explanation of abbreviations and acronyms

MAC - Maximum Acceptable Concentration in the work environment.

STEL- Maximum instantaneous concentration of the substance in the work environment.

Acute Tox. 4 - Acute toxicity, hazard category 4.

H 302 - Harmful if swallowed.

H 312 - Harmful in contact with skin.

H 332 - Harmful if inhaled

Asp. Tox. 1-Toxicity caused by aspiration, hazard category 1.

H 304 – Swallowing and ingestion through the respiratory tract may be fatal.

Skin Irrit. 2 - Skin irritation, hazard category 2.

H 315 Causes skin irritation.

Eye Dam. 1 - Serious eye damage, hazard category 1.

H 318 - Causes serious eye damage.

Eye Irrit. 2 Eye irritation, hazard category 2.

H 319 **Causes eye irritation.**

Aquatic Acute 1 - Acute aquatic hazard, hazard category 1.

H 400 – Very toxic to aquatic organisms.

Aquatic Chronic 1 - Chronic aquatic hazard, hazard category 1

H 410 – Very toxic to aquatic life with long lasting effects.

Aquatic Chronic 2 - Chronic aquatic hazard, hazard category 2

H 411 – Toxic to aquatic life with long lasting effects.

Aquatic Chronic 3 - Chronic aquatic hazard, hazard category 3

H 412 – Harmful to aquatic life with long lasting effects.

EUH 066 – Repeated exposure may cause dryness or cracking of skin.

STOT SE 3 – Toxic to target organs following single exposure, hazard category 3

H 336 – May cause drowsiness or dizziness.

#### Training:

Prior to working with the product, the user shall read this Safety Data Sheet, occupational health and safety regulations relevant to handling of chemicals, and in particular, receive appropriate practical training as required by the regulations - the Labour Code.


Personnel associated with the transport of hazardous materials within the scope of the ADR agreement, should be adequately trained to perform their duties (general, on-the job and safety training).

#### Sources of information:

- Supplier's in-house studies for the mixture: physical and chemical, toxicological, ecotoxicological and environmental impact,
- Web page: <http://sitem.herts.ac.uk/aeru/footprint/pl/Reports/427.htm> (data on this website have been collected as part of the EU-funded FOOTPRINT project).
- Web page: <http://sitem.herts.ac.uk/aeru/footprint/pl/Reports/1120.htm> (data on this website have been collected as part of the EU-funded FOOTPRINT project).
- Web page: <http://sitem.herts.ac.uk/aeru/footprint/pl/Reports/169.htm> (data on this website have been collected as part of the EU-funded FOOTPRINT project).

#### Information assessment:

Assessment of the information identified in accordance with Chapter 1 of title II of the CLP Regulation has been performed by applying the classification criteria for each hazard class, taking into account further differentiation in Annex I to the CLP Regulation. When assessing the available information for the purposes

	<b>SAFETY DATA SHEET</b>	No.: KCh/P-AP/275
	<b>HAKSAR® COMPLEX 260 EW</b>  <b>(Irlandia)</b>	Revision: 1
		Date issued: 26.03.2018
		Page 12 of 12

of classification, the form/physical state of the mixture was considered, as in the form in which the mixture is marketed and may be used in accordance with reasonable expectation.

Additional information:

Further information may be obtained from the manufacturer - contact as in subsection 1.3.

This SDS has been prepared in accordance with Annex II to the Council Regulation (EC) No 830/2015 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation, Restriction of Chemicals (REACH), (Official Journal of the EU L 132/8 of 29 May 2015).

Information in this SDS correspond to our current knowledge and experience; had been provided in good faith in order to describe the product in terms of safety requirements. The information, however, cannot be interpreted either as a guarantee of the properties or a quality specification of the product. Regulations referenced in Section 15 and other sections of this Material Safety Data Sheet are applicable on the territory of Poland. The customer and user are responsible for the provision of safe workplace and compliance with all the applicable local regulations.

Revised sections: none, the first issue

---