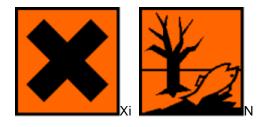
	FETY DATA S		Kurtai Evo
	cording to Regulation	on (EC) No. 1907/2006	
	rsion 1 (UK)		Issuing date: 01/04/2019
1. IDENTIFICATIO COMPANY/UNDE		STANCE/MIXTURE AND	OF THE
1.1. Product identif	ier		
Trade name	: Ku	rtail EVO	
1.2. Relevant identi	fied uses of the	substance or mixture and u	ses advised against
Use	: He	rbicide	
1.3. Details of the s	upplier of the sa	fety data sheet	
		ogreen Weed Control Solutions L	td,
		it 7 Spalding ad Business Park, Bourne,	
	PE	10 9LF	0
	Iei	ephone Number: (01778) 394052	2
1.4. Emergency tele	ephone number		
	(01	778) 394052	
2. HAZARDS IDEN			
2. NAZARUS IDEN	TIFICATION		
2.1. Classification of	of the substance	or mixture	
EEC/99/45 :	Xi N	R43 - May cause sensitization R50/53 - Very toxic to aquatic	
		term adverse effects in the aqu	uatic environment.
EG_1272/08 :	EyeIrrit.2 SkinSens.1	H319 - Causes serious eye irri H317 - May cause an allergic s	
	AquaticAcute1 AquaticChronic1	H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life	э.
2.2. Label elements	;		
according directive	<u>e 1999/45/EG</u>		
Pictogram:			

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R43 R50/53	 May cause sensitization by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S 2 S13 S24/25 S57 S61	 Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Avoid contact with skin and eyes. Use appropriate container to avoid environmental contamination. Avoid release to the environment. Refer to special instructions/ Safety data sheets.

REGULATION (EC) No 1272/2008

Pictogram:



Signal word: Warning

H317 H319 H410 EUH401	 May cause an allergic skin reaction. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects. To avoid risks to human health and the environment, comply with the instructions for use.
P101 P102 P270 P391 P261 P501	 If medical advice is needed, have product container or label at hand. Keep out of reach of children. Do not eat, drink or smoke when using this product. Collect spillage. Avoid breathing vapours or spray. Dispose of contents/ container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non hazardous waste.

2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

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COMPOSITI	ON/INFORMAT	ION ON INGREDIENTS	
Chemical nat	ture :	Aqueous solution of isopropylammoni Dimethylammonium derivative salts 2,4-D 160 g/l, Glyphosate 240 g/l	um and
2. Mixtures			
<u>Components</u>	<u></u>		
2,4-D DMA de CAS-No.: EINECS-No. / EL REACH No.: Concentration:		1263319-17-0 934-143-3 32.0 % (w/w)	
Classification: EG_1272/08 :	AcuteTox.4 EyeDam.1 SkinSens.1 AquaticChronic2	· · ·	
EEC/67/548 :	Xn Xi N	 R22 - Harmful if swallowed. R41 - Risk of serious damage to eyes. R43 - May cause sensitization by skin co R51/53 - Toxic to aquatic organisms, ma the aquatic environment. 	
<u>Glyphosate IF</u> CAS-No.: EINECS-No. / EL REACH No.: Concentration:		38641-94-0 254-056-8 27.9 % (w/w)	
Classification: EG_1272/08 : EEC/67/548 :	AquaticChronic2 N	H411 - Toxic to aquatic life with long last R51/53 - Toxic to aquatic organisms, ma the aquatic environment.	
FIRST AID N	IEASURES	sures	
Eye contact	:	Rinse immediately with plenty of wate	
		for at least 15 minutes. Obtain medica	
Skin contact		Wash off immediately with soon and r	lenty of water
Skin contact	:	Wash off immediately with soap and p Move to fresh air.	plenty of water.

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		medical advice immediately and show	v this container or label.
4.2. Most important symptor	ns	and effects, both acute and delay	ved
Symptoms	:	No information available.	
4.3. Indication of any immed	liate	e medical attention and special tr	eatment needed
Treatment	:	Treat symptomatically.	
5. FIREFIGHTING MEASU	RE	S	
5.1. Extinguishing media			
Suitable extinguishing media	:	Water spray, Dry powder, Sand, Foar	n, Carbon dioxide (CO2)
Extinguishing media which shall not be used for safety reasons	:	High volume water jet	
5.2. Special hazards arising	fro	m the substance or mixture	
Specific hazards during firefighting	:	In the event of fire (HCI,CI2,NOx,CO)	may be formed.
5.3. Advice for firefighters			
Special protective equipment for firefighters	:	Use personal protective equipment. V breathing apparatus for fire fighting if	
Further Information	:	Standard procedure for chemical fires fire extinguishing water separately. The discharged into drains.	
6. ACCIDENTAL RELEASI	EN	EASURES	
6.1. Personal precautions. p	rot	ective equipment and emergency	procedures
Use personal protective equ			
6.2. Environmental precaution	ons		
Do not flush into surface wat	ter o	or sanitary sewer system.	
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	Kurtail EV	Ŭ		
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6.3	. Methods and materials f	or	containment and cleaning up	
	Methods for cleaning up	:	Soak up with inert absorbent material (e.g. s binder, universal binder). Use mechanical h	
	Additional advice	:	Never return spills in original containers for	re-use.
6.4	. Reference to other section	ons	5	
	see Chapter 13			
7. I	HANDLING AND STORA	G	Ξ	
7.1	. Precautions for safe han	dli	ng	
	Safe handling advice	:	Wear personal protective equipment. Keep children.	out of the reach of
	Advice on protection against fire and explosion	:	Normal measures for preventive fire protect	ion.
7.2	. Conditions for safe stora	age	e, including any incompatibilities	
	Requirements for storage areas and containers	:	Store at room temperature in the original co	ntainer.
	Advice on common storage	:	Keep away from food, drink and animal feed	ding stuffs.
	Storage stability			
	Storage temperature	:	>0 °C	
7.3	. Specific end use(s)			

none

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Components with workplace control parameters (EH40/2005 Workplace exposure limits)

Components	CAS-No.	National occupational exposure limits	Note
2,4-D DMA derivate	1263319-17-0		no classification available, not listed in EH40/2005
Glyphosate IPA salt	38641-94-0		no classification available, not listed in EH40/2005

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8.2. Exposure controls

Personal protective equipment

Respiratory protection	:	No special protective equipment required.
Hand protection	:	Gloves
Eye protection	:	Safety glasses
Skin and body protection	:	protective suit
Hygiene measures	:	Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.
Protective measures	:	Avoid contact with skin, eyes and clothing. Keep working clothes separately.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Physical state Form Colour Odour	: liquid : Soluble concentrate : yellow : odourless
Melting point/range	: no data available
Boiling point/boiling range	: ca.100 °C Aqueous solution
Flash point	: (closed cup) Method: 92/69/EEC A9 does not flash
Ignition temperature	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: <1.9E-05 Pa

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	at 25 °C (2,4-D)	
	1.3E-05 Pa at 25 °C Method: 92/69/EEC A4 (Glyphosate)	
Density	: 1.15 - 1.17 g/cm3	
рН	: 5 - 5.8 at (20 °C)	
	4.4 - 4.8 at 10 g/l (20 °C)	
Partition coefficient: n- octanol/water	: no data available	
Dissociation constant	: pKa= 2.64 (2,4-D)	
	pKa1= 2.34 (Glyphosate)	
	pKa2= 5.73 (Glyphosate)	
	pKa3= 10.2 (Glyphosate)	
Viscosity, dynamic	: 277 mPa.s at 20 °C Method: OECD 114	
	97 mPa.s at 40 °C Method: OECD 114	
Surface tension	: 23.6 mN/m at 20 °C	
. Other information		
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none

10. STABILITY AND REACTIVITY

10.1. Reactivity

no data available

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials to avoid

Strong bases

10.6. Hazardous decomposition products

no data available

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute oral toxicity		50 rat female se: > 2,000 mg/kg
Acute dermal toxicity		50 rat se: > 2,000 mg/kg
Acute inhalation toxicity	: Re	marks: not applicable
Skin irritation	: rab Re	bit sult: No skin irritation
Eye irritation	: rab Re	bit sult: Moderate eye irritation

acco	FETY DATA SHEET ording to Regulation (EC) No. 1907/2006 prtail EVO	Kurtai[EVO
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Sensitisation	: Guinea-pig Result: Causes sensitization.	
. ECOLOGICAL	INFORMATION	
1. Toxicity		
Toxicity to birds	: LD50 Colinus virginianus (Bobwhite C Dose: > 500 mg/kg Test substance: (2,4-D)	Quail)
	: LD50 Colinus virginianus (Bobwhite C Dose: > 2,000 mg/kg	Quail)
Toxicity to bees	: LD50 (oral) Apis mellifera (Honey bee Dose (μg/Species): 106.6	?)
	: LD50 (contact) Bee Dose (µg/Species): 100	
Toxicity to fish	: LC50 Oncorhynchus mykiss (Rainbo Dose: 3.2 mg/l Testing period: 96 h	w trout)
Toxicity to daphnia	a : EC50 Daphnia magna (Water flea) Dose: 2.5 mg/l Testing period: 48 h	
Toxicity to algae	: static test ErC50 Scenedesmus subsp Dose: 1.28 mg/l Exposure time: 72 h	picatus
	Lemna gibba (Duckweed) Dose: 1.1 mg/l Exposure time: 168 h	
	EbC50 Scenedesmus subspicatus Dose: 0.43 mg/l Exposure time: 72 h	

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	NOEC Scenedesmus subspicatus Dose: 0.1 mg/l	
	ErC50 Lemna minor (duckweed) Dose: 2.7 mg/l Exposure time: 7 d	
	EC50 Lemna minor (duckweed) Dose: 1.1 mg/l Exposure time: 7 d	
	NOEC Lemna minor (duckweed) Dose: 0.1 mg/l Exposure time: 7 d	
2.2. Persistence and de	gradability	
Biodegradability	: Result: Not readily biodegradable. Test substance: (Glyphosate)	
2.3. Potential bioaccum	ulation	
Bioaccumulation	: no data available	
2.4. Mobility in soil		
Koc = 884 - 60'000 (Glyp Koc= 5 - 212 (2,4-D)	phosate)	
2.5. Results of PBT and	vPvB assessment	
This mixture contains no	substance considered to be persistent, bioa	accumulating nor toxic (PBT).
2.6. Other adverse effect	ts	
none		
13. DISPOSAL CONSID	ERATIONS	
According to European I Waste Code	Directive 2000/532/EC as amended : : 02 01 08 (agrochemical waste cont substances)	aining dangerous
	10/12	

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13.1. Waste treatment methods

Product	: Dispose of product and packaging in accordance with The Code of Practice for Using Plant Protection Products. (Replacing: The Code of Practice for the safe use of Pesticides on Farms and Holdings: The Green Code)
Contaminated packaging	: Do not re-use empty containers.

: Do not re-use empty containers.

Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1. UN number

UN3082

14.2. Proper shipping name

UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*(2,4-D, Glyphosate)

14.3. Transport hazard class(es)

ADR/RID : Class	:	9
IMDG : Class	:	9
IATA-DGR : Class	:	9

14.4. Packaging group

ADR/RID	:	
IMDG	:	III
IATA-DGR	:	III

14.5. Environmental hazards

IMDG

Marine Pollutant	:	MP
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14.6. Special pr	ecautions for us	er	
15. REGULATO	ORY INFORMA	TION	
15.1. Safety, hea mixture	alth and environ	mental regulations/legislatio	on specific for the substance or
Other regulati	ons :	The product is classified and la directives or respective national	
15.2. Chemical	Safety Assessm	ent	
none			
liono			
16. OTHER INF			
Print Date	:	2014/05/30	
		The date format YYYY/MM/DD (Alterations are indicated in the	
belief at the date o use, processing, s quality specificatio	of its publication. Th torage, transportati n. The information	e information given is designed on, disposal and release and is r relates only to the specific mater	est of our knowledge, information and only as a guidance for safe handling, not to be considered a warranty or ial designated and may not be valid for process, unless specified in the text.
The information of	ntained bergin is b	and on the present state of our	knowledge and does therefore not
guarantee certain		asca on the present state of Our	The medge and does therefore hot