

SAFETY DATA SHEET according to Regulation (EC) 2020/878 Version 1.2 UK

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1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product identifier

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Trade name and/or other names and company product codes by which the mixture can be identified Raikiri

Unique Formula Identifier (UFI): EESN-9CM4-3A0V-YQA2	
1.2 Relevant identified uses of the mixture and uses	s advised against
1.2.1 Relevant identified uses	
Agricultural herbicide for professional use only.	
1.2.2 Uses advised against	
Do not use for any other purpose.	
1.3 Details of the supplier of the safety data sheet	
Sumi Agro Europe Ltd.	
Vintners Place	
68 Upper Thames Street	
London	
EC4V 3BJ	
United Kingdom	
Telephone: Fax: Email:	+44 (0) 207 246 3697 (office hours) +44 (0) 207 246 3799 sumi@sumiagro.com

1.4 Emergency telephone number

Risk & safety information – 24 hour emergency number: +44(0)1763 212100

2. HAZARDS IDENTIFICATION

2.1 <u>Classification of the substance or mixture</u> Classification according to Regulation (EC) no. 1272/2008 [CLP/GHS]

Signal word	Hazard class and category	Pictograms	Hazard statement		
Warning	Skin. Sens. 1	GHS07	H317	May cause an allergic skin reaction	
Danger	Eye Dam. 1	GHS05	H318	Causes serious eye damage	
Warning	Repr. 2	GHS08	H361d	Suspected of damaging the unborn child	
Warning	Aquatic Acute 1	GHS09	H400	Very toxic to aquatic life	
	Aquatic Chronic 1		H410	Very toxic to aquatic life with long lasting effects	

Additional information

For abbreviations, refer to Section 16.



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2.2 Label elements

Labelling according to Regulation (EC) no. 1272/2008

Hazard pictograms



<u>Signal Word</u> Danger

Hazard Statements

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H361d: Suspected of damaging the unborn child.

H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements

General	-
Prevention	P201: Obtain special instructions before use.
	P261: Avoid breathing mist/spray.
	P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response	P302+P352: IF ON SKIN: Wash with plenty of soap and water.
	P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
	P310: Immediately call a POISON CENTER or doctor/physician.
	P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
	P391: Collect spillage.
Storage	-
Disposal	P501: Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

Supplemental information:

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

SP 1: Do not contaminate water with the product or its container

2.3 Other hazards

This mixture does not meet the PBT criteria of REACH Regulation, Annex XIII.

This mixture does not meet the vPvB criteria of REACH Regulation, Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Description of the mixture:

Mixture of Mesotrione and co-formulants.



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Chemical Name	CAS-No.	EC-No.	Index No.	Concentration (w/w)	CLP (Reg. 1272/2008) Classification	SCL/ M-Factor/ ATE
Ethoxylated fatty alcohol	78330-20-8	616-607-4	-	20 - 30 %	Acute Tox. 4, H302 Eye Dam. 1, H318	-
Mesotrione	104206-82-8	600-533-4	609-064-00-X	9.4 %	Repr. 2, H361d STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	- - M=10 (Acute) M=10 (Chronic)
n-octanol	111-87-5	203-917-6	-	5 - 10 %	Eye Irrit. 2, H319 Aquatic Chronic 3, H412	-
Ethoxylated polyarylphenol acid phosphate	90093-37-1	618-446-5	-	0 - 5 %	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-
Phosphoric Acid 85 %	7664-38-2	231-633-2	015-011-00-6	0 - 5 %	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318	Skin Corr. 1B, H314: $C \ge 25 \%$ Skin Irrit. 2, H315: 10 % $\le C < 25 \%$ Eye Irrit. 2, H319: 10 % $\le C < 25 \%$
Other ingredients	-	-	-	to 100 %	Not classified	-

Additional information

For full text of H-phrases and abbreviations, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General notes:

If symptoms occur after exposure to this product, seek medical attention immediately and show the product label or this SDS. Remove to fresh air and keep at rest. Do not allow smoking or eating. Take off all contaminated clothing and footwear. Avoid exposure to the product by any route in case of suspected or confirmed pregnancy.

Following inhalation:

Remove to fresh air and keep at rest in half-upright position. Seek medical attention immediately.

Following skin contact:

Remove all contaminated clothing. Wash skin with soap and rinse with plenty of water. Seek medical attention if irritation arises. Wash clothes before re-use.

Following eye contact:

Immediately rinse with water. Holding eyes open, continue rinsing for 15 minutes at least. Remove contact lenses as soon as possible. Seek medical attention immediately. The workplace must be equipped with an emergency eyewash.

Following ingestion:

If swallowed, DO NOT INDUCE VOMITING: Seek medical advice immediately and show the product label or this SDS. Remove any residues from mouth and rinse it with plenty of water. Never give anything by mouth to an unconscious person.

Self-protection of first aider

Personal protective equipment for first aid responders is recommended according to potential for exposure (refer to Section 8).

4.2 Most important symptoms and effects, both acute and delayed

The symptoms and the effects indicated in this section refer to an accidental exposure scenario.

Following inhalation:

Possible slight nasal irritation and discharge. No delayed effects expected.



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Following skin contact:

Possible irritation and redness. May cause an allergic skin reaction following repeated contact.

Following eye contact:

Causes serious irritation and redness and potentially irreversible eye damage.

Following ingestion:

Possible mild gastrointestinal effects. No delayed effects expected.

4.3 Indication of immediate medical attention and special treatment needed

No need to provide any special means/medicinal products for immediate treatment at the workplace. Provide eyewash facilities when possible.

Notes for the doctor:

No specific antidote. The product is suspected of damaging the unborn child. Treat symptomatically (decontamination, vital functions). Call a Poison Centre immediately for treatment advice. In case of ingestion gastric lavage may be necessary (with proper laryngeal control). Before emptying the stomach, assess the potential danger arising from lung aspiration against the product toxicity. Report to Sumi Agro Europe Ltd. any unusual symptoms occurring after exposure by any route.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Carbon dioxide, water spray, alcohol-resistant foam, dry chemical for small fires, alcohol-resistant foam or water spray for large fires.

Unsuitable extinguishing media:

Solid water jet.

5.2 Special hazards arising from the mixture

Hazardous combustion products

Evolves toxic and corrosive fumes in fire including, but not limited to, various oxides: carbon oxides, nitrogen oxides, sulphur oxides and acid compounds like hydrogen cyanide.

5.3 Advice for fire-fighters

Clothing conforming to EN469 should be sufficient to deal with fires involving the mixture.

However, a Self-Contained Breathing Apparatus (SCBA) may be required if there is a potential for exposure to combustion fumes.

Additional information

Provide storage and work areas with suitable fire extinguishers.

Call the Fire Brigade at once to deal with all fires involving pesticides unless the fire is small and immediately controllable. Spray unopened containers with a mist spray to keep cool. If without risk, remove intact containers from exposure to fire. Contain fire-fighting water, bunding if necessary with sand or earth. Do not allow contamination of public drains or surface or ground waters. Dispose of fire debris and contaminated water as advised in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

<u>General:</u> Avoid exposure to the product by any route in case of suspected or confirmed pregnancy.

<u>Protective equipment:</u> Wear prescribed personal protective equipment to prevent contact with eyes and skin. A Self-Contained Breathing Apparatus (SCBA) may be required if there is an elevated risk for exposure.

<u>Emergency procedures</u>: Remove immediately any contaminated clothing. Call the emergency services if the release is not immediately controllable. If the release is localised and immediately controllable, wear a Self-Contained Breathing Apparatus (SCBA) and try and control the release at its source.

6.1.2 For emergency responders

Clothing conforming to EN469.



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6.2 Environmental precautions

The product is very toxic to aquatic life with long lasting effects. Use appropriate containment to avoid environmental contamination. Control the release at its source. Contain the spill to prevent it from spreading, contaminating soil or entering sewage and drainage systems or any body of water. Inform the local water company if the release enters drains and the Environment Agency (England and Wales), the Scottish Environmental Protection Agency (Scotland) or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters.

6.3 Methods and material for containment and cleaning up

For containment

Wear prescribed personal protective equipment to prevent contact with eyes and skin. A Self-Contained Breathing Apparatus (SCBA) may be required if there is an elevated risk for exposure. Clean up spills immediately and place in a compatible disposal container. Contain spill by diking with earth, sand or absorbent material and place into a compatible marked disposal container. **For cleaning up**

The mixture is a liquid suspension concentrate. Scrub area with a hard water detergent. Soak up wash liquid with additional absorbent material and place into a compatible marked disposal container. Seal container and arrange for disposal.

Other information

Not Applicable

6.4 Reference to other sections

Refer to Section 8 for personal protective equipment and to Section 13 for disposal instructions.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Obtain special instructions before use. Avoid exposure to the product by any route in case of suspected or confirmed pregnancy. Do not handle until all safety precautions have been read and understood. Provide suitable ventilation in the areas where the product is stored and used. Contaminated work clothing should not be allowed out of the workplace. Avoid all contact by mouth, with eyes and skin. Wear personal protective equipment as specified in Section 8. When using, do not eat, drink or smoke. Remove contaminated clothing and protective equipment before meals and after work. Wash hands and exposed skin before meals and after work. Wash all protective clothing thoroughly after use, especially the insides of gloves. Provide eyewash facilities when possible.

7.2 Conditions for safe storage, including any incompatibilities

The mixture is stable under normal ambient conditions. Keep in original container, in a dry, cool and safe place. Store in a locked, suitable store. Keep away from any source of ignition. Keep out of the reach of children and unauthorised personnel. Keep away from food, drink and animal feeding stuffs.

7.3 Specific end use(s)

Product for professional use as directed by the product label, every other use is hazardous.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control Parameters

Occupational Exposure limit values

Occupational Exposure limit values have been set for the following components.

Component	Occupational Exposure Levels					
CAS No.	8h - TWA		Short term		Country	Reference
	mg/m ³	ppm	mg/m ³	ppm	1	
Phosphoric acid 7664-38-2	1	-	2	-	United Kingdom	UK - EH40
Propylene glycol (total vapour and particulates) 57-55-6	474	150	-	-	United Kingdom	UK - EH40
Propylene glycol (particulates) 57-55-6	10	-	-	-	United Kingdom	UK - EH40



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Information on monitoring procedures

None available

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Engineering controls and appropriate work processes must be used to eliminate or reduce worker and environmental exposure in the areas where the product is handled, transported, loaded, unloaded, stored and used. These measures must be adequate for the extent of the actual risk. Provide adequate local exhaust ventilation. Use specialized transfer systems if available.

8.2.2 Personal protection equipment

Eye and face protection:

Wear suitable eye protection (EN 166).

Skin protection:

<u>Hand protection</u>: Wear suitable protective gloves against chemicals (EN 374 part 1, 2, 3). Nitrile rubber min. 0.5mm thick and 300mm long gloves are the ones proven to be the most suitable according to tests on pesticide products.

Wash the gloves thoroughly after each use, especially the insides. Replace gloves if damaged and before exceeding the breakthrough time.

Body protection: Avoid contact with skin. Wear suitable coveralls (ISO 13982-1, Type 5, EN 13034, Type 6).

Other skin protection: None specified.

Respiratory protection:

No special requirement when used as recommended. If a risk assessment shows that engineering controls do not provide adequate respiratory protection to exposure to spray particles, wear particle filtering half mask (EN 149) or half mask connected to particle filter (EN 140 + 143).

Thermal hazards:

Not required under appropriate product use and storage.

8.2.3 Environmental exposure controls

Implement all applicable local and community environmental protection legislation. Refer to Section 15. Use appropriate containment to avoid environmental contamination. Do not empty into drains. Do not contaminate water with the product or used container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads. Refer to Section 12 and 13.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

All the data contained in this section are derived from actual test data on the mixture unless otherwise stated.

a)	Physical state:	Liquid
b)	Colour:	Dark cream
Ć)	Odour:	Similar to octanol
-	Odour threshold:	Not determined
d)	Melting point/freezing point:	Not applicable – the mixture is a liquid at ambient temperature and must be protected from frost
e)	Initial boiling point and boiling range:	> 100 °C
f)	Flammability (gas, liquid, solid):	Not flammable
g)	Upper/lower explosion limits:	Not explosive
h)	Flash point:	> 100 °C (EEC A9)
i)	Auto-ignition temperature:	> 400 °C (EEC A15)
,	Minimum Ignition Temperature:	Not available
	Minimum Ignition Energy:	Not available
j)	Decomposition temperature:	Not available
k)	pH:	2.45 undiluted formulation 3.1 (1% dilution in water, CIPAC MT 75.3)
Ŋ	Kinematic viscosity	16544 mm ² /s (20°C, 0.10 s ⁻¹ , OECD 114) 22011 mm ² /s (40°C, 0.10 s ⁻¹ , OECD 114)

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m) Solubility(ies) Solubility (water):

- n) Partition coefficient: n-octanol/water:
- *o)* Vapour pressure:
- p) Density/relative density
- *q) Relative vapour density*
- *r)* Particle characteristics

9.2 Other information

9.2.1 Information with regard to physical hazard classes None

9.2.2 Other safety characteristics

None

10. STABILITY AND REACTIVITY

10.1 Reactivity

Non-reactive when stored in original container under normal conditions of storage and use.

10.2 Chemical stability

Stable when stored in original container under normal conditions of storage and use.

10.3 Possibility of hazardous reactions

No hazardous reactions when stored in original container under normal conditions of storage and use. Reacts with strong bases and strong oxidising substances.

10.4 Conditions to avoid

Do not store in proximity of sources of ignition and direct sunlight.

10.5 Incompatible materials

Avoid contact with strong bases and strong oxidising substances.

10.6 Hazardous decomposition products

During decomposition evolves toxic fumes including hydrogen fluoride, nitrogen oxides, sulphur oxides and hydrogen cyanide.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.2 Mixtures

All the data contained in this section are derived from actual test data on the mixture unless otherwise stated.

a) Acute toxicity:

Not classified for acute toxicity under Regulation (EC) 1272/2008.

	Mixture	Relevant components		
	Mixture	Ethoxylated fatty alcohol	Phosphoric Acid	
LD ₅₀ oral:	>2000 mg/kg bw (rat)	1400 mg/kg bw (rat)	500-2000 mg/kg bw (calculation method)	
LD ₅₀ dermal:	>2000 mg/kg bw (rat)	-	-	
LC ₅₀ inhalation (4h):	>5 mg/L (rat)	-	-	

b) Skin corrosion/irritation: Not classified as skin irritant under Regulation (EC) 1272/2008 (rabbit, OECD 404).

Relevant components	
Ethoxylated polyarylphenol acid phosphate	Phosphoric Acid
Skin Irrit. 2, H315 Causes skin irritation	Skin Corr. 1B, H314 Causes severe skin burns and eye damage.

c) Serious eye damage/irritation:

Classified as Eye Dam. 1, H318 Causes serious eye damage, under Regulation (EC) 1272/2008 (rabbit, OECD 405).

Completely miscible in water Not available Not applicable ca. 1.07 g/cm³ (20°C, EEC A3) Not determined Not applicable - the product is a liquid.



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R	elevant components				
E	thoxylated fatty alcohol	n-octan	ol	Ethoxylated polyarylphenol acid phosphate	Phosphoric Acid
Ey se	ye Dam. 1, H318 Causes erious eye damage	Eye Irrit. serious e	2, H319 Causes eye irritation.	Eye Irrit. 2, H319 Causes serious eye irritation.	Eye Dam. 1, H318 Causes serious eye damage Skin Corr. 1B, H314 Causes severe skin burns and eye damage
d)	Respiratory or skin sensitization:		Classified as Skin Se (EC) 1272/2008 (mc	ns. 1, H317 May cause an aller use, OECD 429).	gic skin reaction, under Regulation
e)	Germ cell mutagenici	ty:	Not classified as mut	agenic on the basis of mixture	component information.
f)	Carcinogenicity:		Not classified as card	cinogenic on the basis of mixtu	e component information.
g)	Reproductive toxicity	:	Classified as Repro. 2 (EC) 1272/2008 on t	2, H361d Suspected of damagin he basis of mixture component	ng the unborn child, under Regulation information.
R	elevant components				
R	epro. 2, H361d Suspected of	damaging	the unborn child		
h)	STOT – single exposu	re:	Not classified as haz information.	ardous for single dose toxicity o	on the basis of mixture component
i)	STOT – repeated exp	osure:	Not classified as haz information respective	ardous for repeated dose toxic vely amount present in product	ty on the basis of mixture component
R	elevant components				
S	TOT RE 2, H373 May cause d	lamage to	organs through prolong	ed or repeated exposure	
j)	Aspiration hazard:		Not classified as haz	ardous by aspiration on the bas	sis of mixture component information.
<u>Lik</u> im eff	ely routes of exposure mediate and delayed e ects:	e, sympto effects as	oms related to the s well as chronic ef	physical, chemical and toxi fects from short- and long-	cological characteristics, term exposure and interactive
Ini Imi and Pos	halation: There is a risk o mediate acute and/or chro J/or long-term exposure: ssible slight nasal irritatior	of exposu onic effect	re by inhalation. <u>ts from short-</u> harge.	Delayed acute and/or chronic exposure: No evidence of delayed effect	effects from short- and/or long-term s after short- and long-term exposure.
Eye contact: There is a risk of exposure by eye contact. <u>Immediate acute and/or chronic effects from short-</u> <u>and/or long-term exposure:</u> Causes serious and notentially irreversible eye damage		ure by eye contact. <u>ts from short-</u> sible eye damage.	Delayed acute and/or chronic effects from short- and/or long-term exposure: Causes serious and potentially irreversible eye damage.		
Skin contact: There is a risk of exposure by skin contact. Immediate acute and/or chronic effects from short- and/or long-term exposure: Possible irritation and redness.		t. <u>Delayed acute and/or chronic effects from short- and/or long-term</u> <u>exposure:</u> May cause an allergic skin reaction following repeated exposure.			
Ingestion: There is a very low risk of accidental exposure <u>Immediate acute and/or chronic effects from short-</u> <u>and/or long-term exposure:</u> Possible mild gastrointestinal effects.			f accidental exposure ts from short-	by ingestion. <u>Delayed acute and/or chronic</u> <u>exposure:</u> No evidence of delayed effect	effects from short- and/or long-term s after short- and long-term exposure.
<u>11</u>	.2 Information on othe	er hazard	<u>Is</u>		
Enc Oth	docrine disrupting propertiner information:	ies:		None None	



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12. ECOLOGICAL INFORMATION

All the information and data contained in this section are derived from actual test data on the mixture unless otherwise stated.

12.1 Toxicity

Acute Toxicity

Organiam	Misture	Relevant components		
Organism	Mixture	Mesotrione	n-octanol	
Fish:	<i>Oncorhynchus mykiss</i>	<i>Oncorhynchus mykiss</i>	<i>Oncorhynchus mykiss</i>	
	92.9 mg/L, LC₅₀ (96h)	>120 mg/L, LC ₅₀ (96h)	13.3 mg/L, LC₅₀ (96h)	
Crustacea:	<i>Daphnia magna</i>	<i>Daphnia magna</i>	<i>Daphnia magna</i>	
	57.9 mg/L, EC₅₀ (48h)	>622 mg/L, EC₅₀ (48h)	20 mg/L, EC ₅₀ (48h)	
Algae/Aquatic plants:	<i>Pseudokirchneriella subcapitata</i> 101 mg/L, ErC ₅₀ (72h) <i>Lemna gibba</i> 0.336 mg/L, ErC ₅₀ (7d)	<i>Pseudokirchneriella subcapitata</i> 13 mg/L, ErC ₅₀ (120h)	<i>Pseudokirchneriella subcapitata</i> 14 mg/L, ErC ₅₀ (48h)	
Birds:	-	<i>Colinus virginianus</i> 2000 mg/kg bw	-	
Honey bees:	Apis mellifera	Apis mellifera	-	
(oral)	>163.3 ug a.s./bee, LD ₅₀ (48h)	>11 ug a.s./bee, LD ₅₀		
Honey bees:	Apis mellifera	<i>Apis mellifera</i>	-	
(contact)	>72.7 ug a.s./bee, LD ₅₀ (48h)	>100 ug a.s./bee, LD₅₀		

Chronic Toxicity

Organism	Mindana	Relevant components		
_	Mixture	Mesotrione	n-octanol	
Fish:	-	Pimephales promelas 12.5 mg/L, NOEC (36d)	<i>Pimephales promelas</i> 1.5 mg/L, NOEC (7d)	
Crustacea:	-	<i>Daphnia magna</i> 180 mg/L, NOEC (21d)	<i>Daphnia magna</i> 1.0 mg/L, NOEC (21d)	
Algae/ Aquatic plants:	-	-	-	
Sediment dwellers:	-	-	-	
Birds:	-	Anas platyrhynchos 120 mg/kg diet, NOEL	-	

12.2 Persistence and degradability: Moderately to non-persistent, not readily biodegradable (based on active substance)

	Relevant components	
	Mesotrione	n-octanol
Abiotic degradation:	pH 5, 7 and 9 stable; >30 days	Lacks any of the functional groups that are susceptible to hydrolysis under relevant conditions.
Physical- and photo-chemical elimination:	DT₅₀ >50 days	Half-life of 26.7 h for photochemical degradation by hydroxyl radicals in air. Octan-1-ol contains no chromophores that would absorb visible or UV radiation, so direct photolysis is not likely to be significant.
Biodegradation:	Not readily biodegradable	Readily biodegradable

12.3 Bioaccumulative potential: The mixture has a low bioaccumulative potential (based on active substance)

	Relevant components	
	Mesotrione	n-octanol
Partition coefficient n- octanol/water (log Kow):	pH 5.5, Log K _{ow} = 0.11	pH 5.5, Log K _{ow} = 3.5
Bioconcentration factor (BCF):	-	9.1 L/kg



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12.4 Mobility in soil: Moderately mobile to mobile (based on active substance)

	Relevant components		
	Mesotrione	n-octanol	
Known or predicted distribution to environmental compartments:	-	-	
Surface tension:	61.5 mN/m	19.8 mN/m	
Adsorption/Desorption:	Kfoc = 14-354 ml/g	-	
2.5 Results of PBT and vPvB assessment Does not fulfil the criteria for classification as PBT or vPvB.			

12.5 Results of PBT and vPvB assessment

12.6 Endocrine disrupting properties

12.7 Other adverse effects:

None known None known

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal of waste product, contaminated packaging materials and any excess diluted spray should be in accordance with 'The Hazardous Waste (England and Wales) Regulations 2005' and any other applicable local or national legislation (for guidance refer to the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings").

For the handling and management of accidental release, follow the information given under Section 6 and 7.

14. TRANSPORT INFORMATION

14.1UN numberUN14.2UN Proper shipping nameEN(cd)(cd)	N3082 NVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ontains mesotrione)
14.3 Transport hazard class(es)914.4 Packing groupIII14.5 Environmental hazardsLa	I Ind transport ADR/RID - Environmentally Hazardous: Yes

Note: When transported in packages of 5 litres and less (UN3082) these goods are exempt from the main requirements of the transport regulations by virtue of Special Provision 375 of the ADR regulations for transport by road, Section 2.10.2.7 of the IMDG code 37-14 for transport by sea and Special Provision A197 of the IATA regulations for transport by air.

14.6 Special Precautions for User 14.7 Transport in bulk according to IMO instruments

Land transport ADR/RID - Tunnel restriction code: -IBC Code: IBC03

15. REGULATORY INFORMATION

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

EU Regulations

REGULATION (EC) No 1107/2009 of The European Parliament and of the Council of 21 October 2009 concerning the placing of plant protection products on the market and repealing Council Directives 79/117/EEC and 91/414/EEC.

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 concerning 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, including amendments.



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COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

National Regulations/legislation:

The Chemicals (Hazard Information & Packaging for Supply) Regulations 2009 (CHIP 4)

Health and Safety at Work etc. Act 1974, as amended, the Control of Substances Hazardous to Health Regulations 1999 (COSHH), as amended.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment under Regulation (EC) 1907/2006 is required and has not been carried out.

16. OTHER INFORMATION

a) Indication of changes:

The numbering system identifying new versions and/or revisions of this SDS is incremental. An increment by an integer number identifies the issue of a new version requiring provision of updates according to Article 31(9) of REACH, while an increment by a decimal identifies minor changes such as typographical errors, text improvements and/or formatting.

Revisions indicated by a decimal point do not affect the risk management measures or information on hazards, do not refer to restrictions imposed and/or to authorisations granted or refused.

The paragraphs where changes have been made are indicated by the symbol '!' in the margin.

Differences between this version and the previous one: Inclusion of Unique Formula Identifier in Section 1.1.

b) Abbreviations and acronyms:

Met. Corr. 1: Corrosive to metals Category 1 Acute Tox. 4: Acute toxicity Category 4 Eye Dam. 1: Serious eye damage Category 1 Eye Irrit. 2: Eye Irritation Category 2 Skin Corr. 1B: Skin corrosion Category 1B Skin Irrit. 2: Skin Irritation Category 2 Skin Sens. 1: Skin sensitization Category 2 Skin Sens. 1: Skin sensitization Category 1 Repr. 2: Reproductive toxicity Category 2 STOT RE 2: Specific Target Organ Toxicity Repeated Exposure Category 2 Aquatic Acute 1: Hazardous to the aquatic Environment, Acute Aquatic Hazard Category 1 Aquatic Chronic 1: Hazardous to the aquatic Environment, Long term Aquatic Hazard Category 3

c) Key literature references and sources for data:

Albaugh Europe Sàrl ECHA Database ECHA Guidance on the compilation of safety data sheets ECHA guidance on the Application of the CLP Criteria EH40/2005 Workplace exposure limits – HSE, Fourth Edition 2020 Peer review of the pesticide risk assessment of the active substance mesotrione - EFSA Journal 2016;14(3):4419

<u>d)</u> Classification and procedure used to derive the classification for mixtures according to Regulation (EC) <u>1272/2008 [CLP]</u>

Classification according to Regulation (EC) 1272/2008	Classification procedure
Skin. Sens 1 – H317	On basis of study data
Eye Dam. 1 – H318	On basis of study data



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Classification according to Regulation (EC) 1272/2008	Classification procedure
Repr. 2 – H316d	Calculation meth
Aquatic Acute 1 – H400	On basis of study data
Aquatic Chronic 1 – H410	

e) Relevant H-statements and precautionary statements not written out in full under Sections 2 to 15:

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

f) Training advice:

General occupational hygiene training recommended.

g) Further information:

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the user to determine the applicability of such information or the suitability of any products for their own particular purpose. This Material Safety Data Sheet was compiled by Sumi Agro Europe Ltd. (sumi@sumiagro.com) in compliance with Regulation (EC) 1907/2006 as amended by 2020/878.