According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	14.11.2023	800080100136	Date of first issue: 14.11.2023

Corteva Agriscience[™] encourages you and expects you to read and understand the entire SDS as there is important information throughout the document. This SDS provides users with information relating to the protection of human health and safety at the workplace, protection of the environment and supports emergency response. Product users and applicators should primarily refer to the product label attached to or accompanying the product container. This Safety Data Sheet adheres to the standards and regulatory requirements of Great Britain and may not meet the regulatory requirements in other countries.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	: GRAZON™ SPOT
Unique Formula Identifier (UFI)	: DTJ4-F0X9-U00N-UHDY

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

Use of the Sub-	:	End use herbicide product
stance/Mixture		

1.3 Details of the supplier of the safety data sheet

COMPANY IDENTIFICATION Manufacturer/importer Corteva Agriscience UK Ltd CPC2 CAPITAL PARK FULBOURN CAMBRIDGE - England - CB21 5XE UNITED KINGDOM

Customer Information	:	+44 8006 89 8899
Number		
E-mail address	:	SDS@corteva.com

1.4 Emergency telephone number

SGS +32 3 575 55 55 OR

+44 161 88 41235

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Flammable liquids, Category 3 H226: Flammable liquid and vapour. ™ ® Trademarks of Corteva Agriscience and its affiliated companies.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version 1.0	Revision Date: 14.11.2023	SDS Number: 80008010013	
Skin irritation, Category 2 Serious eye damage, Category 1 Skin sensitisation, Sub-category 1B Specific target organ toxicity - single ex- posure, Category 3, Central nervous		gory 1B - single ex-	H315: Causes skin irritation. H318: Causes serious eye damage. H317: May cause an allergic skin reaction. H336: May cause drowsiness or dizziness.
•	em cific target organ toxicity ure, Category 3, Respira	•	H335: May cause respiratory irritation.
Spe exp	cific target organ toxicity osure, Category 2 iration hazard, Category	- repeated	H373: May cause damage to organs through pro- longed or repeated exposure. H304: May be fatal if swallowed and enters air- ways.
Sho gory	rt-term (acute) aquatic h ⁄ 1	azard, Cate-	H400: Very toxic to aquatic life.
	g-term (chronic) aquatic	hazard, Cat-	H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :	
Signal word :	Danger
Hazard statements :	 H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements :	 Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe mist or vapours. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. Response: P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if pre-

sent and easy to do. Continue rinsing. Immediately call a

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version	Revision Date: 14.11.2023	SDS Number:	Date of last issue: -
1.0		800080100136	Date of first issue: 14.11.2023

POISON CENTER/ doctor.

P331 Do NOT induce vomiting.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.

Disposal:

P501 Dispose of contents/container to a licensed hazardouswaste disposalcontractor or collection site except for empty clean containers whichcan be disposed of as non-hazardous waste.

Hazardous components which must be listed on the label:

Hydrocarbons, C9, aromatics Triclopyr-2-butoxyethyl ester Reaction mass of N,N-dimethyldecan-1-amide and N,N-dimethyloctanamide clopyralid (ISO)

Additional Labelling

EUH401

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

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		
	Registration number		
Triclopyr-2-butoxyethyl ester	64700-56-7	Acute Tox. 4; H302	32.41
	265-024-8	Skin Sens. 1B;	
		H317	
		STOT RE 2; H373	
		(Kidney)	
		Aquatic Acute 1;	
		H400	



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

GRAZON™ SPOT

rsion)		SDS Number: 300080100136	Date of last issue: - Date of first issue: 14.11.2023	3
			Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	
clopy	ralid (ISO)	1702-17-6 216-935-4 607-231-00-1	Eye Dam. 1; H318 Aquatic Chronic 1;	5.83
Hydro	ocarbons, C9, aromatics	128601-23-0 918-668-5 01-21194558	Flam. Liq. 3; H226 STOT SE 3; H336	>= 40 - < 50
dimet	tion mass of N,N- hyldecan-1-amide and N,I hyloctanamide	Not Assigned 909-125-3 01-21199741	Eye Dam. 1; H318	>= 3 - < 10
	enesulfonic acid, mono-C [^] hed alkyl derivs., calcium		Aquatic Chronic 2; H411	>= 2.5 - < 3
	ocarbons, C10, aromatics, thalene	<1% 1189173-42-5 918-811-1 01-21194635 0008, 01- 2119463583- 0009, 01- 2119463583- 0010	 (Central nervous system) Asp. Tox. 1; H304 Aquatic Chronic 2; H411 	>= 1 - < 2.5

For explanation of abbreviations see section 16.

:

SECTION 4: First aid measures

4.1 Description of first aid measures

Protection of first-aiders

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection).

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version 1.0	Revision Date: 14.11.2023	SDS Number: 800080100136	Date of last issue: - Date of first issue: 14.11.2023		
			exposure exists refer to Section 8 for specific trive equipment.		
If inhaled		emergency res ration; if by mor mask etc). Call advice. If breathing is d	 Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc). Call a poison control center or doctor for treatment advice. If breathing is difficult, oxygen should be administered by qualified personnel. 		
In cas	se of skin contact	plenty of water or doctor for tre Wash clothing b which cannot b properly.	Suitable emergency safety shower facility should be available		
In cas	se of eye contact	20 minutes. Re minutes, then c	a and rinse slowly and gently with water for 15- move contact lenses, if present, after the first 5 ontinue rinsing eyes. Call a poison control r for treatment advice.		
lf swa	allowed	induce vomiting or doctor. Do no	Il a poison control center or doctor. Do not g unless told to do so by a poison control center ot give any liquid to the person. Do not give uth to an unconscious person.		
	mportant symptoms a known.	and effects, both act	ute and delayed		

4.3 Indication of any immediate medical attention and special treatment needed

-	•
Treatment	 Maintain adequate ventilation and oxygenation of the patient. If burn is present, treat as any thermal burn, after decontamination. The decision of whether to induce vomiting or not should be made by a physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. No specific antidote. Treatment of exposure should be directed at the control of symptomer and the clinical condition of the patient.
	Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Have the Safety Data Sheet, and if available, the product con- tainer or label with you when calling a poison control center or doctor, or going for treatment. Skin contact may aggravate preexisting dermatitis.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	14.11.2023	800080100136	Date of first issue: 14.11.2023

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Water spray Alcohol-resistant foam
Unsuitable extinguishing media	:	None known.

5.2 Special hazards arising from the substance or mixture

	Specific hazards during fire- fighting	:	Exposure to combustion products may be a hazard to health.
	Hazardous combustion prod- ucts	:	During a fire, smoke may contain the original material in addi- tion to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon oxides
5.3	Advice for firefighters		
	Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if nec- essary. Use personal protective equipment.
	Specific extinguishing meth- ods	:	Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
	Further information	:	Use water spray to cool unopened containers. Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protect	tive equipment and emergency procedures
Personal precautions	: Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
6.2 Environmental precautions	
Environmental precautions	 If the product contaminates rivers and lakes or drains inform respective authorities. Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	14.11.2023	800080100136	Date of first issue: 14.11.2023

6.3 Methods and material for containment and cleaning up

Methods for cleaning up :	Clean up remaining materials from spill with suitable absorb- ant.
	Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items employed in.
	For large spills, provide dyking or other appropriate contain-
	ment to keep material from spreading. If dyked material can be pumped,
	Recovered material should be stored in a vented container.
	The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to over-
	pressurization of the container.
	Keep in suitable, closed containers for disposal.
	Wipe up with absorbent material (e.g. cloth, fleece).
	Neutralize with chalk, alkali solution or ammonia.
	See Section 13, Disposal Considerations, for additional infor- mation.

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1	Precautions for safe handling	1	
	Advice on safe handling	:	Do not breathe vapours/dust. Handle in accordance with good industrial hygiene and safety practice. Smoking, eating and drinking should be prohibited in the ap- plication area. Take care to prevent spills, waste and minimize release to the environment. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
7.2	Conditions for safe storage, i	ncl	uding any incompatibilities
	Requirements for storage areas and containers	:	Store in a closed container. Keep in properly labelled containers. Store in accordance with the particular national regulations.
	Advice on common storage	:	Do not store near acids. Strong oxidizing agents
	Packaging material	:	Unsuitable material: None known.
7.3	Specific end use(s) Specific use(s)	:	Plant protection products subject to Regulation (EC) No 1107/2009.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	14.11.2023	800080100136	Date of first issue: 14.11.2023

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Triclopyr-2-	64700-56-7	Time Weighted	2 mg/m3	Dow IHG
butoxyethyl ester		Average (TWA):	5	
clopyralid (ISO)	1702-17-6	Time weighted	10 mg/m3	Dow IHG
		average		

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Use engineering controls to maintain airborne level below exposure limit requirements or guide-lines.

If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation.

Local exhaust ventilation may be necessary for some operations.

Personal protective equipment

Eye/face protection : Hand protection	Use chemical goggles.
Remarks :	Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Styrene/butadiene rubber. Viton. Examples of acceptable glove barrier materials include: Butyl rubber. Chlorinated polyethylene. Natural rubber ("latex"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.
Skin and body protection :	Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.
Respiratory protection :	Respiratory protection should be worn when there is a poten- tial to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus. In confined or poorly ventilated areas, use an approved self-

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

1.0 14.11.2023 800080100136 Date of first issue: 14.11.2023	Version 1.0	Revision Date: 14.11.2023	SDS Number: 800080100136	Date of last issue: - Date of first issue: 14.11.2023	
---	----------------	---------------------------	-----------------------------	--	--

contained breathing apparatus or positive pressure air line with auxiliary self-contained air supply.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties Appearance Liquid. Colour Yellow 5 Odour 2 Aromatic Odour Threshold No data available 5 2.04 (20 °C) pН 1 Method: pH Electrode (neat) Melting point/range : Not applicable Freezing point No data available Boiling point/boiling range No data available Flash point 55.1 °C • Method: Pensky-Martens Closed Cup ASTM D 93, closed cup No data available Evaporation rate Flammability (solid, gas) Not applicable to liquids Upper explosion limit / Upper No data available 1 flammability limit Lower explosion limit / Lower : No data available flammability limit Vapour pressure No data available ÷ Relative vapour density No data available 5 Relative density No data available ÷ Density 1.03 g/mL ٠ Solubility(ies) Water solubility emulsifiable Auto-ignition temperature No data available 2 Viscosity No data available Viscosity, dynamic ÷ Explosive properties No 2 Oxidizing properties No data available 5

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	14.11.2023	800080100136	Date of first issue: 14.11.2023

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

No decomposition if stored and applied as directed. Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	: S	table under recommended storage conditions.
	N	o hazards to be specially mentioned.
	Ν	ay form explosive dust-air mixture.

10.4 Conditions to avoid

Conditions to avoid	: None known.
---------------------	---------------

10.5 Incompatible materials

Materials to avoid : None.

10.6 Hazardous decomposition products

Decomposition products depend upon temperature, air supply and the presence of other materials.

Decomposition products can include and are not limited to: Carbon oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

Triclopyr-2-butoxyethyl ester:

Acute oral toxicity	:	LD50 (Rat, male and female): 803 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 4.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Symptoms: The LC50 value is greater than the Maximum Attainable Concentration. Assessment: The substance or mixture has no acute inhala- tion toxicity

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Versio 1.0	n Revision Date: 14.11.2023		OS Number: 0080100136	Date of last issue: - Date of first issue: 14.11.2023
Ad	Acute dermal toxicity			2,000 mg/kg eaths occurred at this concentration. substance or mixture has no acute dermal
cl	opyralid (ISO):			
Ad	cute oral toxicity	:	LD50 (Rat): > 5,0	00 mg/kg
Ad	cute inhalation toxicity	:	 LC50 (Rat): > 1 mg/l Exposure time: 4 h Test atmosphere: dust/mist Symptoms: No deaths occurred at this concentration. LC50 value is greater than the Maximum Attainable C tration. Assessment: The substance or mixture has no acute tion toxicity LD50 (Rabbit): > 2,000 mg/kg Symptoms: No deaths occurred at this concentration. Assessment: The substance or mixture has no acute toxicity 	
Ad	cute dermal toxicity	:		
H	ydrocarbons, C9, aromatic	s:		
Ad	cute oral toxicity	:	LD50 (Rat): 3,500) mg/kg
Ad	cute inhalation toxicity	 Remarks: Vapor concentrations are attainable hazardous on single exposure. May cause respiratory irritation and central ner depression. Symptoms may include headache, dizziness ar progressing to incoordination and unconscious 		gle exposure. atory irritation and central nervous system nclude headache, dizziness and drowsiness,
		LC50 (Rat): > 10.2 mg/l Exposure time: 4 h Test atmosphere: vapour Assessment: The substance or mixture has no acute tion toxicity		h vapour
Ad	cute dermal toxicity	: LD50 (Rabbit): > 3,160 mg/kg Assessment: The substance or mixture has no acute d toxicity		• •
R	eaction mass of N.N-dime	thvl	decan-1-amide an	d N,N-dimethyloctanamide:
	cute oral toxicity	:	LD50 (Rat): > 2,0	
Ad	cute inhalation toxicity	:	LC50 (Rat): > 3.5 Exposure time: 4 Test atmosphere: Assessment: The tion toxicity	h

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



rsion	Revision Date: 14.11.2023	-	S Number: 0080100136	Date of last issue: - Date of first issue: 14.11.2023		
Acute	dermal toxicity	:	LD50 (Rat): > 2	,000 mg/kg		
Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:						
Acute	oral toxicity	:	Method: OECD Symptoms: No Assessment: T icity	e and female): > 2,000 mg/kg 401 or equivalent deaths occurred at this concentration. he substance or mixture has no acute oral tox- imilar material(s):		
Acute	dermal toxicity	:	Method: OECD	e and female): > 1,000 - < 1,600 mg/kg 402 or equivalent imilar material(s):		
Hydro	ocarbons, C10, arom	natics,	<1% naphthale	ne:		
Acute	oral toxicity	:	LD50 (Rat): > 5 Remarks: For s	,000 mg/kg imilar material(s):		
Acute	inhalation toxicity	:	tion toxicity Remarks: For s	4 h		
Acute	dermal toxicity	:	toxicity	> 2,000 mg/kg ne substance or mixture has no acute dermal imilar material(s):		
Skin (corrosion/irritation					
<u>Com</u> r	oonents:					
Triclo	pyr-2-butoxyethyl e	ster:				
Speci		:	Rabbit			
Resul	t	:	No skin irritation	1		
Hydro	ocarbons, C9, aroma	itics:				
Hydro Resul		ntics: :	No skin irritatio	ı		
Resul	t	:		and N,N-dimethyloctanamide:		
Resul	t tion mass of N,N-dir	:				
Resul	t t ion mass of N,N-di r es	:	decan-1-amide			
Resul React Speci Resul	t tion mass of N,N-dir es t	nethylo : :	decan-1-amide Rabbit Skin irritation	and N,N-dimethyloctanamide:		
Resul React Speci Resul	t tion mass of N,N-din es t enesulfonic acid, mo	nethylo : :	decan-1-amide Rabbit Skin irritation			

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version	Revision Date: 14.11.2023	SDS Number:	Date of last issue: -
1.0		800080100136	Date of first issue: 14.11.2023

Serious eye damage/eye irritation

Serious eye damage/eye irrita	lion
Components:	
Triclopyr-2-butoxyethyl ester:	
Species :	Rabbit
Result :	No eye irritation
clopyralid (ISO):	
Species :	
Result :	Corrosive
Hydrocarbons, C9, aromatics:	
Result :	No eye irritation
Depation many of N.N. dimethy	Ideaan 1 amida and N.N. dimathylaatanamida.
Species :	Idecan-1-amide and N,N-dimethyloctanamide: Rabbit
Result :	Corrosive
Benzenesulfonic acid, mono-C	C11-13-branched alkyl derivs., calcium salts:
Result :	Corrosive
Respiratory or skin sensitisati	on
Product:	
Test Type :	Local lymph node assay
Species :	Mouse
Assessment :	The product is a skin sensitiser, sub-category 1B.
Method :	OECD Test Guideline 429
0	
Components:	
Triclopyr-2-butoxyethyl ester:	
Species :	Guinea pig
Assessment :	The product is a skin sensitiser, sub-category 1B.
clopyralid (ISO):	
Species : Assessment :	Guinea pig Does not cause skin sensitisation.
Hydrocarbons, C9, aromatics:	
Assessment :	Does not cause skin sensitisation.
Remarks :	For similar material(s):
	Did not cause allergic skin reactions when tested in guinea
	pigs.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version 1.0	Revision Date: 14.11.2023		DS Number: 00080100136	Date of last issue: - Date of first issue: 14.11.2023			
Remar	ks	:	: For respiratory sensitization: No relevant data found.				
Reacti	on mass of N,N-dime	thy	decan-1-amide an	d N,N-dimethyloctanamide:			
Specie	S	:	Guinea pig				
Assess Remar		:	Does not cause s For similar materi				
Benze	nesulfonic acid, mon	o-C	11-13-branched al	kyl derivs., calcium salts:			
Remarks		:	 For skin sensitization: For similar material(s): Did not cause allergic skin reactions when tested in guine pigs. 				
Remar	Remarks		For respiratory se No relevant data f				
Hydro	carbons, C10, aromat	ics,	<1% naphthalene	::			
Remarks		:	: For similar material(s): Did not cause allergic skin reactions when tested in guin pigs.				
Remar	Remarks		For respiratory se No relevant data f				
Germ	Germ cell mutagenicity						
Comp	Components:						
Triclo	Triclopyr-2-butoxyethyl este						
-	cell mutagenicity- As-	:	In vitro genetic to toxicity studies we	xicity studies were negative., Animal genetic are negative.			
clopyr	alid (ISO):						
	cell mutagenicity- As-	:	In vitro genetic to: toxicity studies we	xicity studies were negative., Animal genetic ere negative.			
Hydro	carbons, C9, aromati	cs:					
Germ o sessm	cell mutagenicity- As- ent	:	In vitro genetic to: toxicity studies we	kicity studies were negative., Animal genetic ere negative.			
Reacti	on mass of N,N-dime	thy	decan-1-amide an	d N,N-dimethyloctanamide:			
Germ o sessm	cell mutagenicity- As- ent	•	In vitro genetic to:	kicity studies were negative.			
Benze	nesulfonic acid, mon	o-C	11-13-branched al	kyl derivs., calcium salts:			
Germ o sessm	cell mutagenicity- As- ent	:		al(s):, In vitro genetic toxicity studies were genetic toxicity studies were negative.			

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	14.11.2023	800080100136	Date of first issue: 14.11.2023

Hydrocarbons, C10, aromatics, <1% naphthalene: Germ cell mutagenicity- As-• For similar material(s):, In vitro genetic toxicity studies were sessment negative., Animal genetic toxicity studies were negative. Carcinogenicity **Components:** Triclopyr-2-butoxyethyl ester: Carcinogenicity - Assess-For similar active ingredient(s)., Triclopyr., Did not cause canment cer in laboratory animals. clopyralid (ISO): Carcinogenicity - Assess-Did not cause cancer in laboratory animals. ment Hydrocarbons, C9, aromatics: Carcinogenicity - Assess-÷ Xylene was not found to be carcinogenic in a National Toximent cology Program bioassay in rats and mice. Hydrocarbons, C10, aromatics, <1% naphthalene: Carcinogenicity - Assess-Contains naphthalene which has caused cancer in some laboratory animals., However, the relevance of this to humans is ment unknown. **Reproductive toxicity Components:** Triclopyr-2-butoxyethyl ester: Reproductive toxicity - As-For similar active ingredient(s)., Triclopyr., In laboratory animal studies, effects on reproduction have been seen only at sessment doses that produced significant toxicity to the parent animals. Has been toxic to the fetus in laboratory animals at doses toxic to the mother., Did not cause birth defects in laboratory animals. clopyralid (ISO): Reproductive toxicity - As-In animal studies, did not interfere with reproduction. Clopyralid caused birth defects in test animals, but only at sessment greatly exaggerated doses that were severely toxic to the mothers. No birth defects were observed in animals given clopyralid at doses several times greater than those expected during normal exposure. Hydrocarbons, C9, aromatics: Reproductive toxicity - As-In laboratory animal studies, effects on reproduction have 5 sessment been seen only at doses that produced significant toxicity to

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Ver: 1.0	sion	Revision Date: 14.11.2023		DS Number: 0080100136	Date of last issue: - Date of first issue: 14.11.2023
				producing severe of xylene given or in cleft palate, a c	defects in laboratory animals only at doses toxicity in the mother., Exaggerated doses ally to pregnant mice resulted in an increase ommon developmental abnormality in mice. on studies, xylene caused toxicity to the fetus
	Reacti	on mass of N,N-dime	thyl	decan-1-amide an	d N,N-dimethyloctanamide:
	Reproc sessmo	ductive toxicity - As- ent	:		al(s):, Did not cause birth defects or any in laboratory animals.
	Benze	nesulfonic acid. mon	o-C	11-13-branched al	kyl derivs., calcium salts:
		ductive toxicity - As-	:	For similar materi reproduction. For similar materi	al(s):, In animal studies, did not interfere with al(s):, Did not cause birth defects or any in laboratory animals.
	Hvdro	carbons, C10, aroma	tics.	<1% naphthalene	
	-	ductive toxicity - As-	:	In animal studies, For similar materi	did not interfere with reproduction. al(s):, Did not cause birth defects or any in laboratory animals.
	STOT	- single exposure			
		ure routes Organs	:	Inhalation Respiratory Tract May cause respira	
		ure routes	:	Inhalation	iness or dizziness.
	Comp	onents:			
	•	oyr-2-butoxyethyl est		Fuchaction of each	
	Assess	sment	:	an STOT-SE toxic	ilable data suggests that this material is not cant.
	clopyr	alid (ISO):			
	Assess	sment	:	Evaluation of avai an STOT-SE toxic	ilable data suggests that this material is not cant.
	Hydro	carbons, C9, aromati	cs:		
	Assess		:	May cause respira dizziness.	atory irritation., May cause drowsiness or

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



sion	Revision Date: 14.11.2023	SDS Number: 800080100136	Date of last issue: - Date of first issue: 14.11.2023
React	ion mass of N,N-dir	nethyldecan-1-amide	and N,N-dimethyloctanamide:
Expos	ure routes	: Inhalation	
Asses	sment	: May cause res	piratory irritation.
Benze	enesulfonic acid, m	ono-C11-13-branched	l alkyl derivs., calcium salts:
Asses	sment	: Available data specific target	are inadequate to determine single exposur organ toxicity.
Hydro	ocarbons, C10, aron	natics, <1% naphthale	ene:
Expos	ure routes	: Inhalation	
Asses	sment	: May cause dro	wsiness or dizziness.
стот	- repeated exposur	e	
<u>Comp</u>	onents:		
Triclo	pyr-2-butoxyethyl e	ster:	
-	t Organs	: Kidney	
Asses	sment	: May cause dar exposure.	mage to organs through prolonged or repeat
Repea	ated dose toxicity		
<u>Comp</u>	onents:		
clopy	ralid (ISO):		
Rema	rks		able data, repeated exposures are not antic additional significant adverse effects.
Hydro	ocarbons, C9, aroma	atics:	
Rema	rks	gans: Blood. Kidney.	ects have been reported on the following or-
		animals upon e	rted to have caused hearing loss in laborato exposure to high concentrations; such effect reported in humans. component(s):
		Eye.	
		•	and N,N-dimethyloctanamide:
Rema	rks	: For similar mat	
			lable data, repeated exposures are not antic significant adverse effects.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Vers 1.0	sion	Revision Date: 14.11.2023		OS Number: 0080100136	Date of last issue: - Date of first issue: 14.11.2023				
	Remarks		:	: For similar material(s): In animals, effects have been reported on the followir gans: Kidney.					
	Hydro	carbons, C10, aroma	tics,	<1% naphthale	ne:				
	Remar	ks	:		able data, repeated exposures are not antici- additional significant adverse effects.				
	Aspira	tion toxicity							
	<u>Product:</u> May be fatal if swallowed and enters airways.								
	Comp	onents:							
	-	oyr-2-butoxyethyl est on physical properties		t likely to be an a	spiration hazard.				
		alid (ISO): on physical properties	s, noi	likely to be an a	spiration hazard.				
	Hydrocarbons, C9, aromatics: May be fatal if swallowed and enters airways.								
	Reaction mass of N,N-dimethyldecan-1-amide and N,N-dimethyloctanamide: May be harmful if swallowed and enters airways.								
	Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts: Based on physical properties, not likely to be an aspiration hazard.								
	Hydrocarbons, C10, aromatics, <1% naphthalene: May be fatal if swallowed and enters airways.								
SEC	SECTION 12: Ecological information								
12.1	Toxici	tv							
	Produ	-							
		y to fish	:		rial is highly toxic to aquatic organisms on an 50/EC50 between 0.1 and 1 mg/L in the most as tested).				
LC50 (Oncorhynchus mykiss (rainbow trout)): 1.47 mg Exposure time: 96 h Test Type: flow-through test									

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Vers 1.0	ion	Revision Date: 14.11.2023		S Number: 0080100136	Date of last issue: - Date of first issue: 14.11.2023
				Method: OECD Te	est Guideline 203
	Toxicity to daphnia and other aquatic invertebrates		:	EC50 (Daphnia m Exposure time: 48 Test Type: static t Method: OECD Te	est
	Toxicity to algae/aquatic plants		:	mg/l End point: Growth Exposure time: 72 Test Type: static t Method: OECD Te	? h est est Guideline 201 um spicatum): 0.190 mg/l
				NOEC (Myriophyll Exposure time: 14	lum spicatum): 0.0305 mg/l I d
	Toxicity to soil dwelling or- ganisms Toxicity to terrestrial organ- isms		:	LC50: 224 mg/kg Exposure time: 14 Species: Eisenia f	l d etida (earthworms)
			:		l is slightly toxic to birds on an acute basis 01 and 2000 mg/kg).
				oral LD50: 1156 n Exposure time: 14 Species: Colinus v GLP:yes	
				oral LD50: > 370 µ Exposure time: 48 Species: Apis mel	3 ĥ
				contact LD50: > 4 Exposure time: 48 Species: Apis mel	3 h
		cicology Assessment	:	Very toxic to aqua	tic life.
		aquatic toxicity	:	Very toxic to aqua	tic life with long lasting effects.
	<u>Compo</u>	onents:			
	Triclop	yr-2-butoxyethyl este	er:		
	Toxicity	v to fish	:	LC50 (Lepomis m Exposure time: 96 Test Type: flow-th	

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Vers 1.0	sion	Revision Date: 14.11.2023		9S Number: 0080100136	Date of last issue: - Date of first issue: 14.11.2023	
	Toxicity to daphnia and other aquatic invertebrates		: EC50 (Daphnia magna (Water flea)): 2.9 mg/l Exposure time: 48 h Method: OECD Test Guideline 202			
	Toxicity to algae/aquatic plants		:	ErC50 (Pseudokir mg/l End point: Growth Exposure time: 96 Method: OECD Te	5 h	
				ErC50 (Myriophyll Exposure time: 14	um spicatum): 0.0473 mg/l · d	
				NOEC (Myriophyll Exposure time: 14	um spicatum): 0.00722 mg/l · d	
	M-Factor (Acute aquatic tox- icity)		:	10		
	Toxicity to fish (Chronic tox- icity)		:	NOEC: 0.0263 mg Species: Rainbow	g/l trout (Oncorhynchus mykiss)	
	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)			NOEC: 1.6 mg/l End point: number Exposure time: 21 Species: Daphnia		
				LOEC: 5.1 mg/l End point: number Exposure time: 21 Species: Daphnia		
				End point: number Exposure time: 21		
		or (Chronic aquatic	:	10		
	toxicity) Toxicity ganism	y to soil dwelling or-	:	LC50: > 1,042 mg Exposure time: 14 Species: Eisenia f		
	Toxicity isms	to terrestrial organ-	:	oral LD50: 735 mg Exposure time: 21 Species: Colinus v		
				dietary LC50: 189 Exposure time: 8 o Species: Colinus v		
				oral LD50: > 110 µ Exposure time: 48		

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Vers 1.0	ion	Revision Date: 14.11.2023		9S Number: 0080100136	Date of last issue: - Date of first issue: 14.11.2023
				End point: mortalit Species: Apis mel	
				contact LD50: > 1 Exposure time: 48 End point: mortalit Species: Apis mel	b h ty
	clopyra	ılid (ISO):			
	Toxicity		:	LC50 (Oncorhync) Exposure time: 96 Test Type: static t	
				NOEC (Lepomis n Exposure time: 96	nacrochirus (Bluegill sunfish)): > 102 mg/l i h
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Test Type: static t	
	Toxicity plants	to algae/aquatic	:	ErC50 (Pseudokir mg/l End point: Growth Exposure time: 96	
				ErC50 (Myriophyll Exposure time: 14	um spicatum): > 3 mg/l · d
				NOEC (Myriophyll Exposure time: 14	um spicatum): 0.0089 mg/l · d
	Toxicity	to microorganisms	:	(Bacteria): > 100	mg/l
	Toxicity icity)	to fish (Chronic tox-	:	NOEC: 10.8 mg/l End point: Other Exposure time: 34 Species: Pimepha Method: OECD Te	les promelas (fathead minnow)
		to daphnia and other invertebrates (Chron- ty)	:	Test Type: static t	magna (Water flea)
		or (Chronic aquatic	:	10	
	toxicity) Toxicity ganisms	to soil dwelling or-	:	LC50: > 1,000 mg Exposure time: 14 End point: surviva Species: Eisenia f	d

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Version 1.0	Revision Date: 14.11.2023		0S Number: 0080100136	Date of last issue: - Date of first issue: 14.11.2023	
Toxicit isms	Toxicity to terrestrial organ- isms		oral LD50: 1465 mg/kg bodyweight. Species: Anas platyrhynchos (Mallard duck)		
			dietary LC50: > 50 Species: Anas pla	000 mg/kg diet. tyrhynchos (Mallard duck)	
		oral LD50: > 100 microgram Exposure time: 48 h End point: mortality Species: Apis mellifera (bee		3 h ty	
			contact LD50: > 9 Species: Apis mel	8.1 micrograms/bee lifera (bees)	
Ecoto	xicology Assessment				
	aquatic toxicity	:	Toxic to aquatic life	e.	
Chroni	c aquatic toxicity	:	Very toxic to aqua	tic life with long lasting effects.	
Hydro	carbons, C9, aromatic	s:			
Toxicit	Toxicity to fish			I is moderately toxic to aquatic organisms on C50/EC50 between 1 and 10 mg/L in the ecies tested).	
			Exposure time: 96 Test Type: static t		
	y to daphnia and other c invertebrates	:	LC50 (saltwater m Exposure time: 96	nysid Mysidopsis bahia): 2.0 mg/l 5 h	
Toxicit plants	Toxicity to algae/aquatic plants		ErC50 (Pseudokir mg/l Exposure time: 72 Remarks: For sim		
Toxicit isms	y to terrestrial organ-	:	basis (LD50 > 200	ally non-toxic to birds on a dietary basis	
			dietary LC50: > 6 Exposure time: 8 Species: Colinus		
			Exposure time: 21	mg/kg bodyweight. d virginianus (Bobwhite quail)	

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Version 1.0	Revision Date: 14.11.2023		9S Number: 0080100136	Date of last issue: - Date of first issue: 14.11.2023		
Ecoto	oxicology Assessment					
	nic aquatic toxicity	:	Toxic to aquatic I	ife with long lasting effects.		
Reac	tion mass of N,N-dimet	thyl	decan-1-amide ar	nd N,N-dimethyloctanamide:		
Toxic	Toxicity to fish		: LC50 (Danio rerio (zebra fish)): 14.8 mg/l Exposure time: 96 h			
	ity to daphnia and other tic invertebrates	:	LC50 (Daphnia m Exposure time: 4	nagna (Water flea)): 7.7 mg/l 8 h		
Toxic plants	ity to algae/aquatic S	:	EC50 (Pseudokir mg/l Exposure time: 7	chneriella subcapitata (green algae)): 16.06 2 h		
Ecoto	oxicology Assessment					
Acute	aquatic toxicity	:	Toxic to aquatic I	ife.		
Benz	enesulfonic acid, mono	o-C′	11-13-branched a	Ikyl derivs., calcium salts:		
Toxic	ity to fish	:		al is slightly toxic to aquatic organisms on an 0/EC50 between 10 and 100 mg/L in the becies tested).		
			LC50 (zebra fish Exposure time: 9 Remarks: For sin			
	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia n Exposure time: 4	nagna (Water flea)): 62 mg/l 8 h		
Toxic plants	ity to algae/aquatic s	:	ErC50 (Selenastr End point: Growtl Exposure time: 9 Remarks: For sin	6 h		
Toxic	ity to microorganisms	:	EC50 (activated s End point: Respir Exposure time: 3 Remarks: For sin	ration rates. h		
Toxic icity)	ity to fish (Chronic tox-	:	NOEC: 0.23 mg/l End point: surviva Exposure time: 7 Species: Rainbow Remarks: For sin	al 2 d w trout (Salmo gairdneri)		
	ity to daphnia and other tic invertebrates (Chron- icity)	:	NOEC: 1.18 mg/l End point: numbe Exposure time: 2 Species: Daphnia Remarks: For sin	er of offspring 1 d a magna (Water flea)		

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Versio 1.0	on	Revision Date: 14.11.2023	-	0S Number: 0080100136	Date of last issue: - Date of first issue: 14.11.2023	
н	lydroc	arbons, C10, aromat	ics,	<1% naphthalene	::	
Т	Toxicity to fish		:	LC50 (Oncorhynchus mykiss (rainbow trout)): 2 - 5 mg/ Exposure time: 96 h Remarks: For similar material(s):		
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Remarks: For sim		
	Toxicity to algae/aquatic plants		:	EC50 (Pseudokirchneriella subcapitata (green algae)): 11 m Exposure time: 72 h Remarks: For similar material(s):		
E	cotox	icology Assessment				
		aquatic toxicity	:	Toxic to aquatic li	fe with long lasting effects.	
12.2 P	Persist	ence and degradabil	ity			
<u>c</u>	compo	nents:				
Т	riclop	yr-2-butoxyethyl este	er:			
		adability	:	Result: Not readily Biodegradation: Exposure time: 28 Method: OECD To Remarks: 10-day	18 % 3 d est Guideline 301B or Equivalent	
		nical Oxygen De-	:	0.004 kg/kg		
	hand (E ThOD	BOD)	:	1.39 kg/kg		
S	stability	in water	:	Test Type: Hydrol Degradation half I pH: 7	lysis ife (half-life): 8.7 d (25 °C)	
Ρ	hotode	egradation	:	Rate constant: 2.3 Method: Estimate		
c	lopyra	llid (ISO):				
	Biodegradability		:	Biodegradation: 5 Exposure time: 28 Method: OECD To Remarks: 10-day	3 d est Guideline 301B or Equivalent	
	Biochen nand (E	nical Oxygen De- 3OD)	:	0 mg/g 0 % Incubation time: 2	20 d	
		al Oxygen Demand	:	0.73 kg/kg		
	(COD) ThOD		:	0.71 kg/kg		

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Version 1.0	Revision Date: 14.11.2023	SDS Number: 800080100136	Date of last issue: - Date of first issue: 14.11.2023
Stabi	ility in water	: Test Type: Hydro pH: 4 - 9 Method: Stable	olysis
Phote	odegradation	: Test Type: Half-I	ife (direct photolysis)
Hydr	ocarbons, C9, aromat	cs:	
Biode	egradability	Biodegradation u high (BOD20 or l For some compo Biodegradation u	nder aerobic static laboratory conditions is OD28/ThOD between 2.5 and 10%).
Read	tion mass of N,N-dim	thyldecan-1-amide a	nd N,N-dimethyloctanamide:
Biode	egradability	: Remarks: Materi test(s) for ready	al is readily biodegradable. Passes OECD piodegradability.
		Result: Readily b Biodegradation: Exposure time: 2 Method: OECD T Remarks: 10-day	> 80 % 8 d Test Guideline 301F or Equivalent
Cher (COI	nical Oxygen Demand)	: 2.890 mg/g	
			lkyl derivs., calcium salts:
Biode	egradability	: Biodegradation: Exposure time: 2 Method: OECD 7 Remarks: 10-day	8 d ēst Guideline 301E or Equivalent
Hydr	ocarbons, C10, aroma	tics, <1% naphthalen	e:
Biode	egradability		al is inherently biodegradable (reaches > tion in OECD test(s) for inherent biodegrada-
12.3 Bioa	ccumulative potential		
<u>Com</u>	ponents:		
Tricl	opyr-2-butoxyethyl es	er:	
Bioa	ccumulation	: Species: Fish Bioconcentration	factor (BCF): 110
	tion coefficient: n- nol/water	: log Pow: 4.62 pH: 7 Remarks: Biocor	ncentration potential is moderate (BCF be-

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Vers 1.0	ion	Revision Date: 14.11.2023		OS Number: 0080100136	Date of last issue: - Date of first issue: 14.11.2023				
				tween 100 and 3000 or Log Pow between 3 and 5).					
	clopyra	alid (ISO):							
	Bioaccumulation		:	: Species: Fish Bioconcentration factor (BCF): < 1 Method: Measured					
	Partitio octano	n coefficient: n- l/water	:						
				log Pow: -2.63 Remarks: Biocon Pow < 3).	centration potential is low (BCF < 100 or Log				
	Hydroo	carbons, C9, aromatio	cs:						
	Partitio octano	n coefficient: n- l/water	:	Bioconcentration 3000 or Log Pow For the minor con					
				Bioconcentration	potential is low (BCF < 100 or Log Pow < 3).				
	Reaction	Reaction mass of N,N-dimethyldecan-1-amide and N,N-dimethyloctanamide:							
	Partitio octano	n coefficient: n- I/water	:		20 °C) centration potential is moderate (BCF be- 000 or Log Pow between 3 and 5).				
	Benze	Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:							
	Partitio octano	n coefficient: n- l/water	:	Remarks: Biocon	est Guideline 107 or Equivalent centration potential is moderate (BCF be- 000 or Log Pow between 3 and 5).				
	Hvdro	carbons, C10, aromat	ics.	<1% naphthalene	2:				
	•	n coefficient: n-	:	Remarks: No data For similar materi	a available for this product. al(s): potential is high (BCF > 3000 or Log Pow				
12.4	Mobili	ty in soil							
		onents:							
	Triclor	oyr-2-butoxyethyl est	er:						
	Distribu	ution among environ- compartments	:	possible due to ve For the degradation Triclopyr.	ation of meaningful sorption data was not ery rapid degradation in the soil. on product: Ility in soil is very high (Koc between 0 and				
				,					

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Version 1.0	Revision Date: 14.11.2023	-	DS Number: 0080100136	Date of last issue: - Date of first issue: 14.11.2023			
Stabil	ity in soil	:	Test Type: aerob Dissipation time:				
clopy	vralid (ISO):						
	Distribution among environ- mental compartments Stability in soil		Koc: 4.9 Remarks: Potenti tween 0 and 50).	al for mobility in soil is very high (Koc be-			
Stabil			Test Type: aerob Dissipation time: Method: Estimate	71 d			
Hydro	ocarbons, C9, aromati	cs:					
	oution among environ- al compartments	:	Remarks: No rele	evant data found.			
Reac	tion mass of N,N-dime	thy	decan-1-amide a	nd N,N-dimethyloctanamide:			
	oution among environ- al compartments	:		al for mobility in soil is low (Koc between 500			
Benz	enesulfonic acid. mon	o-C	11-13-branched a	lkyl derivs., calcium salts:			
Distril	oution among environ- al compartments			-			
Hydro	ocarbons, C10, aromat	tics,	<1% naphthalen	9:			
	oution among environ- al compartments	:	: Remarks: No relevant data found.				
12.5 Resu	Its of PBT and vPvB a	sse	ssment				
Prod	uct:						
	ssment	:	to be either persi	nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of			
Com	oonents:						
Triclo	opyr-2-butoxyethyl est	er:					
Asses	ssment	:	lating and toxic (F	not considered to be persistent, bioaccumu- PBT) This substance is not considered to be nd very bioaccumulating (vPvB).			
clopy	vralid (ISO):						
	ssment	:	lating and toxic (F	not considered to be persistent, bioaccumu- PBT) This substance is not considered to be nd very bioaccumulating (vPvB).			
Hydro	ocarbons, C9, aromati	cs:					
-	ssment		This substance h cumulation and to	as not been assessed for persistence, bioac- oxicity (PBT).			

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Version 1.0	Revision Date: 14.11.2023	SDS Number: 800080100136	Date of last issue: - Date of first issue: 14.11.2023
React	ion mass of N N-dim	ethyldecan-1-am	ide and N,N-dimethyloctanamide:
	sment	: This substa lating and to	nce is not considered to be persistent, bioaccumu- oxic (PBT) This substance is not considered to be ent and very bioaccumulating (vPvB).
Benze	enesulfonic acid, mo	no-C11-13-branc	hed alkyl derivs., calcium salts:
Asses	sment	lating and to	nce is not considered to be persistent, bioaccumu- oxic (PBT) This substance is not considered to be ent and very bioaccumulating (vPvB).
Hydro	ocarbons, C10, arom	atics, <1% naphtl	nalene:
Asses	sment	lating and to	nce is not considered to be persistent, bioaccumu- oxic (PBT) This substance is not considered to be ent and very bioaccumulating (vPvB).
12.6 Other	adverse effects		
<u>Produ</u>	<u>ict:</u>		
Endoo tial	rine disrupting poten-	ered to hav REACH Art (EU) 2017/2	nce/mixture does not contain components consid- e endocrine disrupting properties according to icle 57(f) or Commission Delegated regulation 2100 or Commission Regulation (EU) 2018/605 at 1% or higher.
Comp	oonents:		
Triclo	pyr-2-butoxyethyl e	ster:	
Ozone	e-Depletion Potential		his substance is not on the Montreal Protocol list es that deplete the ozone layer.
clopy	ralid (ISO):		
Ozone	e-Depletion Potential		his substance is not on the Montreal Protocol list es that deplete the ozone layer.
Hydro	ocarbons, C9, aroma	tics:	
Ozone	e-Depletion Potential		his substance is not on the Montreal Protocol list es that deplete the ozone layer.
React	ion mass of N,N-dim	ethyldecan-1-am	ide and N,N-dimethyloctanamide:
Ozone	e-Depletion Potential		his substance is not on the Montreal Protocol list es that deplete the ozone layer.
Benze	enesulfonic acid, mo	no-C11-13-branc	hed alkyl derivs., calcium salts:
Ozone	e-Depletion Potential		his substance is not on the Montreal Protocol list es that deplete the ozone layer.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version	Revision Date: 14.11.2023	SDS Number:	Date of last issue: -
1.0		800080100136	Date of first issue: 14.11.2023

Hydrocarbons, C10, aromatics, <1% naphthalene:

Ozone-Depletion Potential : Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

: If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SECTION 14: Transport information

14.1 UN number				
ADR	:	UN 1993		
RID	:	UN 1993	UN 1993	
IMDG	:	UN 1993		
ΙΑΤΑ	:	UN 1993		
14.2 UN proper shipping name				
ADR	:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9, aromatics)		
RID	:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9, aromatics)		
IMDG	:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9, aromatics, Triclopyr-2-butoxyethyl Ester, Clopyralid)		
ΙΑΤΑ	:	Flammable liquid, n.o (Hydrocarbons, C9, a		
14.3 Transport hazard class(es)				
		Class	Subsidiary risks	
ADR	:	3		



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

GRAZON™ SPOT

Versio 1.0	on	Revision Date: 14.11.2023		OS Number: 0080100136	Date of last issue: - Date of first issue: 14.11.2023
F	RID		:	3	
I	MDG		:	3	
L	ATA		:	3	
14.4 F	Packin	g group			
4	ADR				
		g group	:	III	
		cation Code	:	F1	
		Identification Number	:	30	
	Labels		:	3	
	Tunnel	restriction code	:	(D/E)	
	RID				
		g group	:		
		cation Code	÷	F1	
		Identification Number	÷	30 3	
	Labels		·	3	
	IMDG				
		g group	:		
	Labels	l	÷	3	
	EmS C Remarl		÷	F-E, <u>S-E</u> Stowage category	ν Λ
			•	Slowage calegor	
				000	
		g instruction (cargo	:	366	
	aircraft)			Y344	
		g instruction (LQ) g group	:	1 344 	
	Labels	g group	:	Flammable Liquid	ts
		. .	•		
		Passenger)		255	
	packiną ger airo	g instruction (passen-	•	355	
		g instruction (LQ)	:	Y344	
		g group	:	III	
	Labels	9 9 0 d p	÷	Flammable Liquid	ds
14.5 E	Enviro	nmental hazards			
	ADR				
		mentally hazardous		yes	
		mentally hazaruous	•	yea	
	RID	and the last of the second sec			
E	Enviror	mentally hazardous	:	yes	
	MDG				
Ν	Marine	pollutant	:	yes(Triclopyr-2-b	utoxyethyl Ester, Clopyralid)
14.6 \$	Specia	I precautions for use	r		

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	14.11.2023	800080100136	Date of first issue: 14.11.2023

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH Candidate list of substances of very his concern (SVHC) for Authorisation	gh	: Not applicable
The Persistent Organic Pollutants Regulations (reta Regulation (EU) 2019/1021 as amended for Great ain)		: Not applicable
Regulation (EC) No 1005/2009 on substances that plete the ozone layer	de-	: Not applicable
UK REACH List of substances subject to authorisa (Annex XIV)	tion	: Not applicable
Seveso III: Directive 2012/18/EU of the Euro- pean Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	5c F	LAMMABLE LIQUIDS
E	1 E	NVIRONMENTAL HAZARDS

Registration Number : MAPP 19956

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

The substance is evaluated within the frame of the provisions of Regulation (EC) No. 1107/2009. Refer to the label for exposure assessment information.

SECTION 16: Other information

Full text of H-Statements		
H226	:	Flammable liquid and vapour.
H302	:	Harmful if swallowed.
H304	:	May be fatal if swallowed and enters airways.
H312	:	Harmful in contact with skin.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H335	:	May cause respiratory irritation.
H336	:	May cause drowsiness or dizziness.
H373	:	May cause damage to organs through prolonged or repeated
		exposure.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

SDS Number: 800080100136	Date of last issue: - Date of first issue: 14.11.2023
: Toxic to aquati	ic life with long lasting effects.
viations	
: Acute toxicity : Short-term (acu : Long-term (chr : Aspiration haza : Serious eye da : Flammable liqu : Skin irritation : Skin sensitisati : Specific target : Dow Industrial : Time Weighted : Time weighted erning the International Ca	amage uids organ toxicity - repeated exposure organ toxicity - single exposure Hygiene Guideline d Average (TWA):
e e e e e e e e e e e e e e e e e e e	800080100136 : Toxic to aquat eviations : Acute toxicity : Short-term (ac : Long-term (chi : Aspiration haz : Serious eye da : Flammable liqu : Skin irritation : Skin sensitisat : Specific target : Dow Industrial : Time Weighted : Time weighted erning the International Ca e Testing of Materials; EC

GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - not otherwise specified; NOEC - Non-Observed Effective Concentration; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; (Q)SAR - (Quantitative) Structure Activity Relationship; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SDS - Safety Data Sheet; UN -United Nations.

Further information					
Classification of the m	nixture:	Classification procedure:			
Flam. Liq. 3	H226	Based on product data or assessment			
Skin Irrit. 2	H315	Calculation method			
Eye Dam. 1	H318	Calculation method			
Skin Sens. 1B	H317	Based on product data or assessment			
STOT SE 3	H336	Based on product data or assessment			
STOT SE 3	H335	Based on product data or assessment			
STOT RE 2	H373	Calculation method			
Asp. Tox. 1	H304	Based on product data or assessment			
Aquatic Acute 1	H400	Based on product data or assessment			
Aquatic Chronic 1	H410	Based on product data or assessment			

Product code: GF-1652

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



GRAZON™ SPOT

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	14.11.2023	800080100136	Date of first issue: 14.11.2023

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GB / 6N