

Version 1.0	Revision Date: 26.03.2021		SDS Number: S1488949334		s version rep	places all previou	is versions.
SECTION	SECTION 1. PRODUCT AND COMPANY IDENTIFICATION						
Produ	uct name	:	REFLEX				
Design code		:	A8339C				
Manu	ufacturer or supplier's	deta	ils				
Com	bany	:	Syngenta Aus www.syngenta		•	33 002 933 717)	
Address		:	2-4 Lyonpark Macquarie Pa Australia		V 2113		
Telep	Telephone : (02) 8014 5		(02) 8014 520	0			
Telef	ax	:	(02) 8876 844	6			
Emer	gency telephone numbe	er :	13 11 1800 033 111	26 (Syng	(Poison enta)	Information	Centre)

Recommended use of the chemical and restrictions on use

Recommended use	: Herbicide

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Serious eye damage/eye irri- tation	:	Category 1
GHS label elements Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H318 Causes serious eye damage.
Precautionary statements	:	Prevention: P280 Wear eye protection/ face protection.
		Response: P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.



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Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical name	CAS-No.	Concentration (% w/w)
fomesafen-sodium	108731-70-0	>= 10 -< 30

SECTION 4. FIRST AID MEASURES

General advice	:	Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.
If inhaled	:	Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respira- tion. Keep patient warm and at rest.
In case of skin contact	:	Call a physician or poison control centre immediately. Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.
In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.
If swallowed	:	If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.
Most important symptoms and effects, both acute and delayed	:	
Notes to physician	:	There is no specific antidote available. Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media :	Extinguishing media - small fires Use water spray, alcohol-resistant foam, dry chemical or car- bon dioxide. Extinguishing media - large fires Alcohol-resistant foam
Unsuitable extinguishing : media Specific hazards during fire- : fighting	or Water spray Do not use a solid water stream as it may scatter and spread fire. As the product contains combustible organic components, fire will produce dense black smoke containing hazardous prod- ucts of combustion (see section 10). Exposure to decomposition products may be a hazard to health.



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•	Specific extinguishing meth- ods		Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.			
for f	Special protective equipment for firefighters Hazchem Code			ctive clothing and self-contained breathing ap-		

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Refer to protective measures listed in sections 7 and 8.
Environmental precautions	:	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Contain spillage, and then collect with non-combustible ab- sorbent material, (e.g. sand, earth, diatomaceous earth, ver- miculite) and place in container for disposal according to local / national regulations (see section 13). Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Retain and dispose of contaminated wash water.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	 No special protective measures against fire required. Avoid contact with skin and eyes. When using do not eat, drink or smoke. For personal protection see section 8.
Conditions for safe storage	 No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THE PRODUCT. FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.

The extent of these protection measures depends on the



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		actual risks	in use.			
		standards.	concentrations below occupational exposure essary, seek additional occupational hygiene ad-			
Perso	onal protective equip	ment				
Respi	Respiratory protection :		No personal respiratory protective equipment normally re- quired. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.			
Hand	protection	mm arey m				
	emarks protection	: Always wea eye contact	protective equipment required. r eye protection when the potential for inadvertent with the product cannot be excluded. g safety goggles			
Skin a	and body protection	: No special p	protective equipment required. and body protection based on the physical job s.			
Prote	ctive measures	over the use When selec	echnical measures should always have priority of personal protective equipment. ting personal protective equipment, seek appro- ssional advice.			
		Personal pronational state	otective equipment should comply with relevant ndards			

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour Odour	:	No data available No data available
Odour Threshold	:	No data available
рН	:	No data available
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Method: Pensky-Martens closed cup does not flash
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper	:	No data available



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flan	nmability limit			
	ver explosion limit / Lower nmability limit	:	No data available	
Vap	oour pressure	:	No data available	
Rel	ative vapour density	:	No data available	,
Der	nsity	:	1.105 g/cm3	
	ubility(ies) Water solubility	:	No data available	•
:	Solubility in other solvents	:	No data available	9
	tition coefficient: n- anol/water	:	No data available	
	o-ignition temperature	:	> 650 °C	
Dec	composition temperature	:	No data available	
	cosity Viscosity, dynamic	:	No data available	
,	Viscosity, kinematic	:	No data available	9
Exp	losive properties	:	Not explosive	
Oxi	dizing properties	:	The substance or	mixture is not classified as oxidizing.
Par	ticle size	:	No data available	,

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	None reasonably foreseeable.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac-	:	No dangerous reaction known under conditions of normal use.
tions		-
Conditions to avoid	:	No decomposition if used as directed.
Incompatible materials	:	None known.
Hazardous decomposition	:	No hazardous decomposition products are known.
products		

SECTION 11. TOXICOLOGICAL INFORMATION

Exposure routes	: Ingestion Inhalation Skin contact Eye contact
Acute toxicity	

Product:





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Acute oral toxicity			xicity estimate: > 2,000 mg/kg Calculation method
Com	ponents:		
fome	safen-sodium:		
Acute	e oral toxicity	: LD50 (R	at): Calculated > 982 mg/kg
Acute	e inhalation toxicity	Exposur Test atm	at, male and female): > 2.82 mg/l e time: 4 h nosphere: dust/mist nent: The substance or mixture has no acute inhala- city
Acute	e dermal toxicity	,	at, male and female): > 2,000 mg/kg nent: The substance or mixture has no acute dermal
Skin	corrosion/irritation		
Com	ponents:		
fome	safen-sodium:		
Speci		: Rabbit	irritation
Speci Resu		: Rabbit : No skin	irritation
Resu		: No skin	irritation
Resul	lt	: No skin	irritation
Resul Serio	lt ous eye damage/eye	: No skin	irritation
Resul Serio	lt ous eye damage/eye <u>ponents:</u> safen-sodium:	: No skin	irritation
Resul Serio <u>Com</u>	lt pus eye damage/eye ponents: safen-sodium: ies	: No skin irritation : Rabbit	irritation ble effects on the eye
Resul Serio Com fome Speci Resul	lt pus eye damage/eye ponents: safen-sodium: ies	: No skin irritation : Rabbit : Irreversi	
Resul Serio Com fome Speci Resul Resp	lt p us eye damage/eye <u>ponents:</u> safen-sodium: ies It	: No skin irritation : Rabbit : Irreversi	
Resul Serio Com fome Speci Resul Resp <u>Com</u>	lt pus eye damage/eye ponents: safen-sodium: ies lt iratory or skin sensi	: No skin irritation : Rabbit : Irreversi	
Resul Serio Comp fome Speci Resul Resp <u>Comp</u> fome	It pus eye damage/eye ponents: safen-sodium: ies It iratory or skin sensi ponents: safen-sodium:	: No skin irritation : Rabbit : Irreversi tisation	ble effects on the eye
Resul Serio Com fome Speci Resul Resp Com fome Test Speci	It pus eye damage/eye ponents: safen-sodium: ies It iratory or skin sensi ponents: safen-sodium: Type ies	: No skin irritation : Rabbit : Irreversi tisation : mouse ly : Mouse	ble effects on the eye
Resul Serio Com fome Speci Resul Resp Com fome Test	It pus eye damage/eye ponents: safen-sodium: ies It iratory or skin sensi ponents: safen-sodium: Type ies	: No skin irritation : Rabbit : Irreversi tisation : mouse ly : Mouse	ble effects on the eye
Resul Serio Com fome Speci Resul Resp Com fome Test Speci Resul	It pus eye damage/eye ponents: safen-sodium: ies It iratory or skin sensi ponents: safen-sodium: Type ies	: No skin irritation : Rabbit : Irreversi tisation : mouse ly : Mouse	ble effects on the eye
Resul Serio Com fome Speci Resul Resp Com fome Test Speci Resul Chro	It pus eye damage/eye ponents: safen-sodium: ies It iratory or skin sensi ponents: safen-sodium: Type ies It	: No skin irritation : Rabbit : Irreversi tisation : mouse ly : Mouse	ble effects on the eye
Resul Serio Com fome Speci Resul Resp Com fome Test Speci Resul Chro Germ	It pus eye damage/eye ponents: safen-sodium: ies It iratory or skin sensi ponents: safen-sodium: Type ies It nic toxicity	: No skin irritation : Rabbit : Irreversi tisation : mouse ly : Mouse	ble effects on the eye
Resul Serio Com Speci Resul Resp Com Test Speci Resul Chro Germ Com	It pus eye damage/eye ponents: safen-sodium: ies It iratory or skin sensi ponents: safen-sodium: Type ies It nic toxicity n cell mutagenicity	: No skin irritation : Rabbit : Irreversi tisation : mouse ly : Mouse	ble effects on the eye
Resul Serio Com fome Speci Resul Resul Com Germ Com fome Germ	It pus eye damage/eye ponents: safen-sodium: ies It iratory or skin sensi ponents: safen-sodium: Type ies It nic toxicity n cell mutagenicity ponents:	: No skin irritation : Rabbit : Irreversi tisation : mouse ly : Mouse : Did not of : Animal t	ble effects on the eye



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С	arcino	ogenicity			
	compo				
C	fomesafen-sodium: Carcinogenicity - Assess- ment		:		arcinogenicity in animal studies. on data from similar materials
R	Reprod	uctive toxicity			
<u>c</u>	ompo	nents:			
R		fen-sodium: uctive toxicity - As- nt	:	, ,	roduction on data from similar materials
R	Repeate	ed dose toxicity			
<u>c</u>	ompo	nents:			
	omesa Remark	fen-sodium: s	:	No information av	vailable.
	cotoxi	-			
	ompo				
		fen-sodium:		LCEO (Opeorby)	chus mykiss (rainbow trout)): > 100 mg/l
	oxicity		•	Exposure time: 9	
		to daphnia and other invertebrates	:	Exposure time: 4	nagna (Water flea)): > 96 mg/l 8 h on data from similar materials
				Remarks: Based	on data from similar materials
	oxicity lants	to algae/aquatic	:	0.54 mg/l Exposure time: 7	ation given is based on data obtained from
				0.023 mg/l End point: Growt Exposure time: 7 Remarks: Inform	
				similar substance	95.

SAFETY DATA SHEET



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ersion 0	Revision Date: 26.03.2021)S Number: 488949334	This version replaces all previous versions
			similar substand	es.
			End point: Grow Exposure time:	14 d nation given is based on data obtained from
	ctor (Acute aquatic tox-	:	1	
icity) M-Fao toxicit	ctor (Chronic aquatic y)	:	1	
Persi	stence and degradabil	ity		
Comp	oonents:			
	safen-sodium: ity in water	:	Remarks: No da	ata available
Bioac	cumulative potential			
Comp	oonents:			
	safen-sodium: cumulation	:	Remarks: No da	ata available
Mobil	ity in soil			
Comp	oonents:			
Distrik menta	safen-sodium: oution among environ- al compartments ity in soil	:	Remarks: No da Remarks: No da	
Other	adverse effects			
<u>Comp</u>	oonents:			
Resul	safen-sodium: ts of PBT and vPvB sment	:	lating and toxic	is not considered to be persistent, bioaccumu (PBT). This substance is not considered to be and very bioaccumulating (vPvB).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues	 Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.



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Conta	aminated packaging	cler or designa drumMUSTER TER collection Empty contained the local regula If no landfill is a a disposal pit s clear of waterw containers and Returnable cor Empty contents	ntainers. spray tank blace cap and return clean containers to recy- ted collection point. Containers marked with the container logo can be taken to a drumMUS- site (02 6206 6868, www.drummuster.org.au). ers can be landfilled, when in accordance with ations. available, bury the containers below 500 mm in specifically marked and set up for this purpose /ays, desirable vegetation and tree roots. Empty product should not be burnt.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG UN number Proper shipping name	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FOMESAFEN-SODIUM)
Class Packing group Labels	:	9 111 9
IATA-DGR UN/ID No. Proper shipping name	:	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (FOMESAFEN-SODIUM)
Class Packing group Labels Packing instruction (cargo aircraft)	: :	9 III Miscellaneous 964
Packing instruction (passen- ger aircraft) Environmentally hazardous	:	964 yes
IMDG-Code UN number Proper shipping name	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FOMESAFEN-SODIUM)
Class Packing group Labels EmS Code Marine pollutant	· · · ·	9 III 9 F-A, S-F yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.



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Natio	onal Regulations		
ADG			
UN n	lumber	: UN 3082	
Prop	er shipping name	: ENVIRONME N.O.S. (FOMESAFE	NTALLY HAZARDOUS SUBSTANCE, LIQUID, N-SODIUM)
Class	S	: 9	
Pack	ing group	: 111	
Labe		: 9	
Hazo	hem Code	: •3Z	
Rem	arks	tions of UN 30 Code for the ⁻ plies when tra not incorporat	Ily Hazardous Substances meeting the descrip- 077 or UN 3082 are not subject to the Australian Fransport of Dangerous Goods (ADG). This ap- nsported by road or rail in packagings that do e a receptacle exceeding 500 kg(L) or IBCs per Provision AU01.

Special precautions for user

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.

SECTION 15. REGULATORY INFORMATION

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

Standard for the Uniform : Schedule 6 Scheduling of Medicines and Poisons	
Prohibition/Licensing Requirements	: There is no applicable prohibition, authorisation and restricted use requirements, including for carcino- gens referred to in Schedule 10 of the model WHS Act and Regula- tions.
Product Registration Number	: APVMA Approval No. 88509

SECTION 16. OTHER INFORMATION

Revision Date	: 26.03.2021
Date format	: dd.mm.yyyy

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule;



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ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; 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; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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.

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