according to the OSHA Hazard Communication Standard



# GRADUATE

sion	Revision Date: 07/25/2024		S Number: 114241439	Date of last issue: - Date of first issue: 06/08/2015
	1. IDENTIFICATION			
	ct name n code	:	GRADUATE A7850D	
Produ	ct Registration number	:	100-969	
Manu	facturer or supplier's o	deta	iils	
Comp Addre	any name of supplier ss	:	Post Office Box Greensboro N	
Telepł Telefa		:	1 800 334 948 1 336 632 2192	
	l address gency telephone	:	sds.requests@ 1 800 888 8372	
Recor	nmended use of the c	hen	nical and restrie	tions on use
Recor	nmended use	:	Fungicide	
Restri	ctions on use	:	General Use P	esticide

### **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Combustible dust

GHS label elements Signal Word	:	Warning
Hazard Statements	:	May form combustible dust concentrations in air.

### Other hazards

May form combustible dust concentrations in air.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
fludioxonil	131341-86-1	50
talc	14807-96-6	>= 30 - < 50
Residues (petroleum), catalytic re-	68425-94-5	>= 1 - < 5
former fractionator, sulfonated, poly-		
mers with formaldehyde, sodium salts		
gum arabic	9000-01-5	>= 1 - < 5

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>= 0.1 - < 1

0 - < 0.1

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dioxosilane

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2541	7-20-3			>= 1 - < 5
sodiu	m butyl naphthalene	sulfonate 25638-1	7-9	>= 1 - < 5

14808-60-7

ethanamine, N,N-diethyl- 121-44-8

Actual concentration is withheld as a trade secret

#### 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	:	Take the victim into fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control center immediately.
In case of skin contact	:	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	:	Nonspecific No symptoms known or expected.
Notes to physician	:	There is no specific antidote available. Treat symptomatically.

### **SECTION 5. FIRE-FIGHTING MEASURES**

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

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OINAL	JUAIL			
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			Cool closed conta	ainers exposed to fire with water spray.
	cial protective equipment re-fighters	:	Wear full protecti apparatus.	ve clothing and self-contained breathing
SECTION	N 6. ACCIDENTAL RELE	AS	E MEASURES	
tive	onal precautions, protec- equipment and emer- cy procedures	:	Refer to protectiv Avoid dust forma	e measures listed in sections 7 and 8. tion.
Envi	ronmental precautions	:		surface water or sanitary sewer system. Itaminates rivers and lakes or drains inform ities.
	nods and materials for ainment and cleaning up	:	cleaner or by wet disposal accordin Do not create a p air. Clean contamina Clean with deterg	pick up with an electrically protected vacuum -brushing and transfer to a container for ig to local regulations (see section 13). owder cloud by using a brush or compressed ted surface thoroughly. gents. Avoid solvents. se of contaminated wash water.

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	This material is capable of forming flammable dust clouds in air, which, if ignited, can produce a dust cloud explosion. Flames, hot surfaces, mechanical sparks and electrostatic discharges can serve as ignition sources for this material. Electrical equipment should be compatible with the flammability characteristics of this material. The flammability characteristics will be made worse if the material contains traces of flammable solvents or is handled in the presence of flammable solvents.
Conditions for safe storage	:	This material can become readily charged in most operations. Avoid contact with skin and eyes. When using do not eat, drink or smoke. For personal protection see section 8. 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

## Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
fludioxonil	131341-86-1	TWA	5 mg/m3	Syngenta

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		TWA (Inhal- able particu- late matter)	1 mg/m3	ACGIH
talc	14807-96-6	TWA (Dust)	20 Million particles per cubic foot	OSHA Z-3
		TWA (respir- able dust fraction)	2 mg/m3	OSHA P0
		TWA (Res- pirable par- ticulate mat- ter)	2 mg/m3	ACGIH
		TWA (Res- pirable)	2 mg/m3	NIOSH REL
		TWA	0.1 fibres per cubic centimeter	ACGIH
dioxosilane	14808-60-7	TWA (respir- able)	10 mg/m3 / %SiO2+2	OSHA Z-3
		TWA (respir- able)	250 mppcf / %SiO2+5	OSHA Z-3
		TWA (respir- able dust fraction)	0.1 mg/m3	OSHA P0
		TWA (Res- pirable par- ticulate mat- ter)	0.025 mg/m3 (Silica)	ACGIH
		TWA (Res- pirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
		TWA (Res- pirable dust)	0.05 mg/m3	OSHA Z-1
ethanamine, N,N-diethyl-	121-44-8	TWA	0.5 ppm	ACGIH
		STEL	1 ppm	ACGIH
		TWA	25 ppm 100 mg/m3	OSHA Z-1
		STEL	15 ppm 60 mg/m3	OSHA P0
		TWA	10 ppm 40 mg/m3	OSHA P0

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 actual risks in use. Maintain air concentrations below occupational exposure standards.

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			Where necess advice.	ary, seek additional occupational hygiene
Perso	onal protective equip	ment		
Respi	ratory protection	:	required. When workers	espiratory protective equipment normally are facing concentrations above the exposure t use appropriate certified respirators.
Hand	protection			
Re	emarks	:		tective equipment required.
	rotection	:		tective equipment required.
Skin a	and body protection	:		tective equipment required. d body protection based on the physical job
Protec	ctive measures	:	over the use o When selectin	hnical measures should always have priority f personal protective equipment. g personal protective equipment, seek ofessional advice.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Color	:	off-white
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	May form combustible dust concentrations in air.
Burning number	:	2 (68 °F / 20 °C)
		5 (212 °F / 100 °C)
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available

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Re	elative vapor density	: N	lo data available	
De	Density		lo data available	
	Ik density	: 0	0.37 g/cm3	
50	blubility(ies) Water solubility	: N	lo data available	
	Solubility in other solvents	: N	lo data available	
	artition coefficient: n- tanol/water	: N	lo data available	
	utoignition temperature	: N	lo data available	
De	ecomposition temperature	: N	lo data available	
Mi	inimum ignition temperature	: 60	0° 00	
Vi	scosity Viscosity, kinematic	: N	lo data available	
Ex	plosive properties	: N	lot explosive	
O	kidizing properties	: Т	he substance or	mixture is not classified as oxidizing.
Mi	inimum ignition energy	: 1	00 - 300 mJ	
	article characteristics article size	: N	lo data available	

### SECTION 10. STABILITY AND REACTIVITY

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

#### SECTION 11. TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure

Ingestion Inhalation Skin contact Eye contact

#### Acute toxicity

Based on available data, the classification criteria are not met.

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Prod	uct:				
Acute oral toxicity		: LD50 (Ra	at, male and female): > 5,050 mg/kg		
Acute inhalation toxicity		Exposure Test atmo Assessm	LC50 (Rat, male and female): > 6.49 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhala tion toxicity		
Acute	e dermal toxicity		at, male and female): > 2,150 mg/kg ent: The substance or mixture has no acute dermal		
<u>Com</u>	ponents:				
fludio	oxonil:				
Acute	e oral toxicity	: LD50 (Ra	at, male and female): > 5,000 mg/kg		
Acute	inhalation toxicity	Exposure Test atm	at, male and female): > 2.6 mg/l e time: 4 h osphere: dust/mist ent: The substance or mixture has no acute inhala- ity		
Acute	e dermal toxicity		at, male and female): > 2,000 mg/kg ent: The substance or mixture has no acute dermal		
Resid	dues (petroleum), ca	alytic reformer	fractionator, sulfonated, polymers with formalde-		
hyde	, sodium salts:	: LD50 (Ra	at): > 5,000 mg/kg		
<b>hyde</b> Acute	, sodium salts:		at): > 5,000 mg/kg		
hyde Acute sodiu	, <b>sodium salts:</b>	e sulfonate:	ent: The component/mixture is moderately toxic after		
hyde Acute sodiu Acute	, sodium salts:	e sulfonate: : Assessm single ing : Assessm	ent: The component/mixture is moderately toxic after jestion.		
hyde Acute sodiu Acute	, <b>sodium salts:</b> e oral toxicity <b>um butyl naphthalen</b> e oral toxicity	e sulfonate: : Assessm single ing : Assessm short terr	ent: The component/mixture is moderately toxic after jestion. ent: The component/mixture is moderately toxic after		
hyde Acute sodiu Acute Acute	, sodium salts:	e sulfonate: Assessm single ing Assessm short terr	ent: The component/mixture is moderately toxic after jestion. ent: The component/mixture is moderately toxic after		
hyde Acute sodiu Acute Acute ethar Acute	, sodium salts: a oral toxicity um butyl naphthalend a oral toxicity a inhalation toxicity namine, N,N-diethyl-:	e sulfonate: : Assessm single ing : Assessm short terr : LD50 (Ra : LC50 (Ra Exposure	ent: The component/mixture is moderately toxic after jestion. ent: The component/mixture is moderately toxic after n inhalation.		

### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

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Dree	luot.		
Prod		. Dobbit	
Spec Resu		: Rabbit : No skin i	ritation
Rest	ant (	. INU SKIITI	maion
<u>Com</u>	ponents:		
fludi	oxonil:		
Spec		: Rabbit	
Resu	ılt	: No skin i	ritation
	dues (petroleum), cat e, sodium salts:	alytic reformer	fractionator, sulfonated, polymers with formal
Spec	cies	: reconstru	cted human epidermis (RhE)
Resu		: No skin i	
2541	7-20-3:		
Resu		: Irritating	o skin.
11000		. maang	
	namine, N,N-diethyl-:		
Spec		: Rabbit	
Resu	11L	. Conosive	e after 3 minutes or less of exposure
Serio	ous eye damage/eye i	rritation	
Base	ed on available data, th	e classification o	riteria are not met.
Prod	luct:		
Spec	cies	: Rabbit	
Resu	ılt	: No eye ir	ritation
<u>Com</u>	ponents:		
fludi	oxonil:		
Spec	cies	: Rabbit	
Resu	ılt	: No eye ir	ritation
	dues (petroleum), cat e, sodium salts:	alytic reformer	fractionator, sulfonated, polymers with formal
Spec	cies	: Rabbit	
Resu	ılt	: Irritation	o eyes, reversing within 21 days
aum	arabic:		
guin			tion
-		<ul> <li>Eve irrita</li> </ul>	
Resu		: Eye irrita	
Resu 2541	ılt <b>7-20-3:</b>		
Resu	ılt <b>7-20-3:</b>		erious damage to eyes.
Resu <b>2541</b> Resu	ılt <b>7-20-3:</b>		
Resu <b>2541</b> Resu	ılt 7-20-3: <sup>۱lt</sup> namine, N,N-diethyl-:	: Risk of s	

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### Respiratory or skin sensitization

#### Skin sensitization

Based on available data, the classification criteria are not met.

#### **Respiratory sensitization**

Not classified due to lack of data.

#### Product:

Test Type	:	Buehler Test
1		Guinea pig
Result	:	Does not cause skin sensitization.

### Components:

fludioxonil:	
1	Guinea pig Does not cause skin sensitization.

#### Germ cell mutagenicity

Not classified due to lack of data.

### Components:

fludioxonil: Germ cell mutagenicity - Assessment	:	Animal testing did not show any mutagenic effects.
ethanamine, N,N-diethyl-: Germ cell mutagenicity - Assessment	:	In vitro tests did not show mutagenic effects
Carcinogenicity Not classified due to lack of da	ita.	
Components:		
fludioxonil: Carcinogenicity - Assess- ment dioxosilane:	:	No evidence of carcinogenicity in animal studies.
Carcinogenicity - Assess- ment	:	Weight of evidence does not support classification as a car- cinogen
		IARC has concluded that there is sufficient evidence in hu- mans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources and in experimental animals from quartz and cristobalite (Group 1). It was noted however, that carcinogenicity was not detected in all industrial circumstances and may be dependent on inher- ent characteristics of the crystalline silica or external factors

affecting its biological activity.

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IARC	dioxosilane	arcinogenic to humar , , crystalline)	ns 14808-60-7
		nent of this product pr list of regulated carc	resent at levels greater than or equal to 0.1% inogens.
NTP	dioxosilane	e human carcinogen stalline (Respirable S	14808-60-7
-	<b>tive toxicity</b> fied due to lack of	f data.	
<u>Compone</u>	ents:		
fludioxon Reproduct sessment	il: tive toxicity - As-	: No toxicity to	reproduction
ethanamine, N,N-diethyl-: Reproductive toxicity - As- :			
sessment	live loxicity - As-	. No toxicity to	reproduction
sessment	gle exposure		reproduction
sessment	<b>gle exposure</b> fied due to lack of		reproduction
sessment STOT-sin Not classif	gle exposure fied due to lack of ents: ne, N,N-diethyl-:	f data. : The substanc	
sessment STOT-sin Not classif Compone ethanami Assessme STOT-rep	gle exposure fied due to lack of ents: ne, N,N-diethyl-:	f data. : The substanc toxicant, singl irritation.	e or mixture is classified as specific target or
sessment STOT-sin Not classif Compone ethanami Assessme STOT-rep	gle exposure fied due to lack of ents: ne, N,N-diethyl-: ent eated exposure fied due to lack of	f data. : The substanc toxicant, singl irritation.	e or mixture is classified as specific target or
sessment STOT-sin Not classif Compone ethanami Assessme STOT-rep Not classif	gle exposure fied due to lack of ents: ne, N,N-diethyl-: ent eated exposure fied due to lack of ents:	f data. : The substanc toxicant, singl irritation.	e or mixture is classified as specific target or
sessment STOT-sin Not classif Compone ethanami Assessme STOT-rep Not classif Compone	gle exposure fied due to lack of ents: ne, N,N-diethyl-: ent eated exposure fied due to lack of ents: il:	f data. : The substanc toxicant, singl irritation. f data. : The substanc	e or mixture is classified as specific target org le exposure, category 3 with respiratory tract
sessment STOT-sin Not classif Compone ethanamin Assessme STOT-rep Not classif Compone fludioxon	gle exposure fied due to lack of ents: ne, N,N-diethyl-: ent fied due to lack of ents: il: ent	f data. : The substanc toxicant, singl irritation. f data. : The substanc	e or mixture is classified as specific target org le exposure, category 3 with respiratory tract e or mixture is not classified as specific target

Not classified due to lack of data.

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050	TION							
SEC	SECTION 12. ECOLOGICAL INFORMATION							
	Ecotoxicity							
	Produc	<u>:t:</u>						
	Toxicity	ν to fish	:	LC50 (Cyprinus ca Exposure time: 96	arpio (Carp)): 25 mg/l 5 h			
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 3.8 mg/l sh			
	Toxicity plants	v to algae/aquatic	:	ErC50 (Raphidoce mg/l Exposure time: 72	elis subcapitata (freshwater green alga)): 1.2 ? h			
				NOEC (Raphidoce 0.41 mg/l Exposure time: 72 Test Type: Growth				
	Compo	onents:						
	fludiox	onil:						
	Toxicity	<i>t</i> to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 0.23 mg/l s h			
				LC50 (Pimephales Exposure time: 96	s promelas (fathead minnow)): 0.7 mg/l 5 h			
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 0.4 mg/l sh			
				EC50 (Americamy Exposure time: 96	, C			
	Toxicity plants	to algae/aquatic	:	ErC50 (Raphidoce 0.259 mg/l Exposure time: 96	elis subcapitata (freshwater green alga)): 5 h			
				EC10 (Raphidoce 0.077 mg/l End point: Growth Exposure time: 96				
				ErC50 (Skeletone Exposure time: 96	ma costatum (marine diatom)): 0.43 mg/l bh			
				NOEC (Skeletone End point: Growth Exposure time: 96				
	Toxicity icity)	to fish (Chronic tox-	:	NOEC (Oncorhyn Exposure time: 28	chus mykiss (rainbow trout)): 0.04 mg/l d			

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			EC10 (Pimephale Exposure time: 1	es promelas (fathead minnow)): 0.018 mg/l 16 d	
aquati	ty to daphnia and other c invertebrates (Chron-		NOEC (Daphnia Exposure time: 2	magna (Water flea)): 0.035 mg/l 1 d	
ic toxi	city)		NOEC (American Exposure time: 2	nysis): 0.018 mg/l 8 d	
Toxicity to microorganisms		:	EC50 (activated sludge): > 1,000 mg/l Exposure time: 3 h		
25417	-20-3:				
Ecoto	xicology Assessment	ł			
	aquatic toxicity	:	Harmful to aquati	c life.	
Chron	ic aquatic toxicity	:	Harmful to aquati	c life with long lasting effects.	
ethan	amine, N,N-diethyl-:				
	ty to fish	:	LC50 (Oncorhynd Exposure time: 9	chus mykiss (rainbow trout)): 36 mg/l 6 h	
Toxici plants	ty to algae/aquatic	:	ErC50 (Raphidocelis subcapitata (freshwater green alga)): mg/l Exposure time: 72 h		
Persis	stence and degradabi	lity			
Comp	onents:				
fludio	xonil:				
Biode	gradability	:	Result: Not readi	y biodegradable.	
Stabili	ty in water	:	Degradation half Remarks: Persist		
	ues (petroleum), cata sodium salts:	lytic	reformer fraction	nator, sulfonated, polymers with formalde-	
Biode	gradability	:	Result: Not readi	y biodegradable.	
ethan	amine, N,N-diethyl-:				
Biode	gradability	:	Result: Readily b	iodegradable.	
Bioac	cumulative potential				
<u>Comp</u>	onents:				
fludio	xonil:				
Bioaco	cumulation	:	Remarks: Does r	ot bioaccumulate.	

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<b>U</b> i u					
Versic 0.0	on	Revision Date: 07/25/2024		DS Number: 114241439	Date of last issue: - Date of first issue: 06/08/2015
Partition coefficient: n- octanol/water		:	log Pow: 4.12 (77	°F / 25 °C)	
Ν	Mobilit	y in soil			
<u>c</u>	Compo	onents:			
fl	ludiox	onil:			
		ition among environ- compartments	:	Remarks: immobi	le
		y in soil	:	<ul> <li>Dissipation time: 14 d</li> <li>Percentage dissipation: 50 % (DT50)</li> <li>Remarks: Product is not persistent.</li> </ul>	
C	Other a	adverse effects			
<u>c</u>	Compo	onents:			
fl	ludiox	onil:			
-	Results	of PBT and vPvB ment	:		persistent, bioaccumulative, and toxic (PBT). very persistent and very bioaccumulative
е	ethana	mine, N,N-diethyl-:			
R		of PBT and vPvB	:		persistent, bioaccumulative, and toxic (PBT). very persistent and very bioaccumulative

### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues	<ul> <li>Do not contaminate ponds, waterways or ditches with chemical or used container.</li> <li>Do not dispose of waste into sewer.</li> <li>Where possible recycling is preferred to disposal or incineration.</li> <li>If recycling is not practicable, dispose of in compliance with local regulations.</li> </ul>
Contaminated packaging	<ul> <li>This product will not be classified as a RCRA characteristic hazardous waste when discarded.</li> <li>Empty remaining contents.</li> <li>Triple rinse containers.</li> <li>Empty containers should be taken to an approved waste handling site for recycling or disposal.</li> <li>Do not re-use empty containers.</li> </ul>

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

UNR'	TDG

••••••	
UN number	: UN 3077
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
	N.O.S.

according to the OSHA Hazard Communication Standard



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Labe Envi	king group	: 9 : III : 9 : ye : Th sir	is product can l ngle or combina ngle or inner pao	be subject to exemptions when packaged in tion packagings containing a net quantity per ckaging of 5 L or less for liquids, or having a br less for solids.
UN/I	<b>A-DGR</b> D No. er shipping name	: Er	V 3077 ivironmentally h LUDIOXONIL)	azardous substance, solid, n.o.s.
Labe Pack	king group els king instruction (cargo	: 9 : III	scellaneous	
ger a	king instruction (passen-	: 95	6	
Envi Rem	ronmentally hazardous arks	sir sir	is product can l ngle or combina ngle or inner pa	be subject to exemptions when packaged in tion packagings containing a net quantity per ckaging of 5 L or less for liquids, or having a pr less for solids.
	G-Code		N 3077	
-	number er shipping name	: EN N.		ALLY HAZARDOUS SUBSTANCE, SOLID,
Labe EmS Mari	king group	: 9 : III : 9 : F- : ye : Th sir sir	A, S-F s is product can igle or combina igle or inner pa	be subject to exemptions when packaged in tion packagings containing a net quantity per ckaging of 5 L or less for liquids, or having a br less for solids.

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

Not applicable for product as supplied.

#### **Domestic regulation**

#### 49 CFR

Not regulated as a dangerous good Remarks : S

Shipment by ground under DOT is non-regulated; however it may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.

#### 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

according to the OSHA Hazard Communication Standard



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Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### **SECTION 15. REGULATORY INFORMATION**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: Caution

Causes moderate eye irritation.

Avoid contact with skin, eyes or clothing.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove and wash contaminated clothing before re-use.

Harmful if absorbed through skin.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Combustible dust
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **SECTION 16. OTHER INFORMATION**

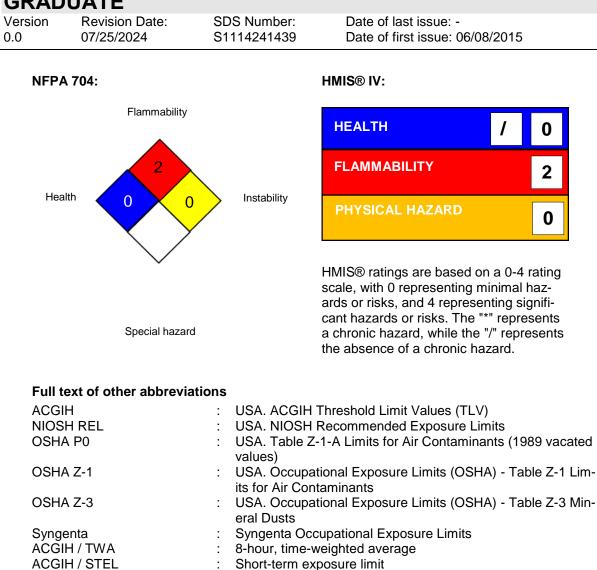
Further information

according to the OSHA Hazard Communication Standard



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NIOSH REL / TWA



workday during a 40-hour workweek OSHA P0 / TWA 8-hour time weighted average OSHA P0 / STEL Short-term exposure limit OSHA Z-1 / TWA 8-hour time weighted average 1 OSHA Z-3 / TWA : 8-hour time weighted average Syngenta / TWA Time weighted average 1

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Time-weighted average concentration for up to a 10-hour

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; 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; HMIS - Hazardous Materials Identification System; 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

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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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; 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

**Revision Date** 

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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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