

SAFETY DATA SHEET

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

1.1. Product identifier Trade name or designation of the mixture	Clinafarm Smoke	
Registration number	-	
Synonyms	None.	
Item Code	MN0810	
1.2. Relevant identified uses of	f the substance or mixture and	d uses advised against
Identified uses	Biocidal product	
Uses advised against	None known.	
1.3. Details of the supplier of t	he safety data sheet	
Supplier		
Company name	Elanco Animal Health Ireland Lto	d.
Address	70 Sir John Rogerson's Quay Dublin 2	
	Ireland	
	IE	
Division		
Telephone	PHONE:	00+1+ 800-428-4441
e-mail	lilly_msds@lilly.com	
1.4. Emergency telephone number	CHEMTREC:	00+1+ 703-527-3887 (24 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification	F;R11, Xn;R20/22, Xi;R41, N;R51/53	
The full text for all R-phrases i	is displayed in section 16.	
Classification according to	Regulation (EC) No 1272/2008 as amended	
Physical hazards		
Oxidising solids	Category 1	H271 - May cause fire or explosion; strong oxidiser.
Health hazards		

Acute toxicity, oral	Category 4	H302 - Harmful if swallowed.
Acute toxicity, inhalation	Category 4	H332 - Harmful if inhaled.
Serious eye damage/eye irritation	Category 1	H318 - Causes serious eye damage.
Environmental hazards		
Hazardous to the aquatic environment, long-term aquatic hazard	Category 2	H411 - Toxic to aquatic life with long lasting effects.

2.2. Label elements

Contains:

Signal word

Label according to Regulation (EC) No. 1272/2008 as amended

a-Lactose Monohydrate, ENILCONAZOLE, Hydrated Magnesium Silicate, Potassium chlorate

Hazard pictograms



Hazard statements

H271May cause fire or explosion; strong oxidiser.H302Harmful if swallowed.

Material name: Clinafarm Smoke

H318	Causes serious eye damage.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	
P283	Wear fire/flame resistant/retardant clothing.
P210	Keep away from heat.
P221	Take any precaution to avoid mixing with combustibles.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P285	In case of inadequate ventilation wear respiratory protection.
P273	Avoid release to the environment.
Response	
P306 + P360	IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P371 + P380 + P375	In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
P301 + P312	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310	Immediately call a POISON CENTRE or doctor/physician.
P391	Collect spillage.
Storage	
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	None.
2.3. Other hazards	No Chemical Safety Assessment has been carried out.

SECTION 3: Composition/information on ingredients

- 3.2. Mixtures
- General information

Chemical name		%	CAS-No. / EC No.	REACH Registration	No. INDEX No.	Notes
ENILCONAZOLE		15	35554-44-0 252-615-0	-	613-042-00-5	
Classification:	DSD:	Xn;R20/22, Xi	;R41, N;R50/53			
	CLP:		H302, Eye Dam. 1;H318, tic Acute 1;H400, Aquati		cute Tox.	
Hydrated Magnesium Sili	cate	57	14807-96-6 238-877-9	-	-	
Classification:	DSD:	-				
	CLP:	-				
a-Lactose Monohydrate		14	5989-81-1 238-691-8	-	-	
Classification:	DSD:	-				
	CLP:	-				

Chemical name	% CAS-No. / EC No. REACH Registration No. INDEX No. Notes
Potassium chlorate	14 3811-04-9 - 017-004-00-3 223-289-7
Classification: D	DSD: O;R9, Xn;R20/22, N;R51/53
C	CLP: Ox. Sol. 1;H271, Acute Tox. 4;H302, Acute Tox. 4;H332, Aquatic Chronic 2;H411
CLP: Regulation No. 1272/2 DSD: Directive 67/548/EEC	
Composition comments	The full text for all R- and H-phrases is displayed in section 16.
SECTION 4: First aid m	easures
General information	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
4.1. Description of first aid n	
Inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Get medical attention immediately.
Skin contact	Wash off immediately with soap and plenty of water. Get medical attention if symptoms occur. Take off contaminated clothing and wash before reuse.
Eye contact	Get medical attention immediately. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion	Rinse mouth. Get medical attention immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions.
4.2. Most important symptoms and effects, both acute and delayed	Skin irritation. Eye irritation.
4.3. Indication of any immediate medical attention and special treatment needed	Not available. n
SECTION 5: Firefightin	g measures
General fire hazards	Not available.
5.1. Extinguishing media Suitable extinguishing media	Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Water mist. Sand.
Unsuitable extinguishing media	g Not available.
5.2. Special hazards arising from the substance or mixture	Flammable solid. May cause fire or explosion; strong oxidiser. Hazardous decomposition products formed under fire conditions.
5.3. Advice for firefighters Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective clothing.
Special fire fighting procedures	Use water spray to cool unopened containers.
SECTION 6: Accidental	release measures
6.1. Personal precautions, p	rotective equipment and emergency procedures
For non-emergency personnel	Keep unnecessary personnel away. For personal protection, see section 8. Disposable one-piece overall with integral hood. Respirator with a full face mask. ABEK P3
For emergency responders	Use personal protection recommended in Section 8 of the SDS.
6.2. Environmental precautions	Avoid discharge into drains, water courses or onto the ground. Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes.

6.3. Methods and material for containment and cleaning up	Local authorities should be advised if significant spillages cannot be contained. Remove sources of ignition. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Collect spill using a vacuum cleaner with a HEPA filter. For waste disposal, see section 13. Collect in a non-combustible container for prompt disposal. Large Spillages : Small Spillages: Do not sweep. Be aware of potential for dust explosion when using electrical equipment. If vacuum is not available, lightly mist/wet material and remove by mopping or wet wiping.
	Prevent further migration into the environment. Large spills due to traffic accidents, etc., should be reported immediately to CHEMTREC and Elanco Animal Health for assistance.
6.4. Reference to other sections	For personal protection, see section 8. For waste disposal, see section 13. Refer to Sections 8, 11, 12 and 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Keep away from sources of ignition - No smoking. Wash hands thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not eat, drink or smoke when using the product.
7.2. Conditions for safe storage, including any incompatibilities	Keep away from heat and sources of ignition. Store in original tightly closed container. Store in a dry area. Store at ambient temperature and atmospheric pressure. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.
7.3. Specific end use(s)	Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Components	Туре	Value	Form
Hydrated Magnesium Silicate (CAS 14807-96-6)	МАК	2 mg/m3	Respirable fraction.
Belgium. Exposure Limit Values.			
Components	Туре	Value	
Hydrated Magnesium Silicate (CAS 14807-96-6)	TWA	2 mg/m3	
Bulgaria. OELs. Regulation No 13 Components	on protection of workers ag Type	ainst risks of exposure to Value	chemical agents at work Form
Hydrated Magnesium Silicate (CAS 14807-96-6)	TWA	1 fibers/cm3	Respirable fraction.
		6 mg/m3	Inhalable fraction.
		3 mg/m3	Respirable fraction.
Cyprus. OELs. Control of factory a amended.	atmosphere and dangerous s	ubstances in factories reg	ulation, PI 311/73, as
Components	Туре	Value	
Hydrated Magnesium	TWA	706 particles/cn	n3
Silicate (CAS 14807-96-6)			
	nt Decree 361		
Czech Republic. OELs. Governme	nt Decree 361 Type	Value	Form
Silicate (CAS 14807-96-6) Czech Republic. OELs. Governme Components Hydrated Magnesium Silicate (CAS 14807-96-6)		Value 10 mg/m3	Form Total dust.
Czech Republic. OELs. Governme Components Hydrated Magnesium	Туре		
Czech Republic. OELs. Governme Components Hydrated Magnesium Silicate (CAS 14807-96-6) Finland. Workplace Exposure Lin	Type TWA	10 mg/m3 10 mg/m3	Total dust. Respirable dust.
Czech Republic. OELs. Governme Components Hydrated Magnesium Silicate (CAS 14807-96-6) Finland. Workplace Exposure Lin	Type TWA	10 mg/m3	Total dust.
Czech Republic. OELs. Governme Components Hydrated Magnesium	Type TWA	10 mg/m3 10 mg/m3	Total dust. Respirable dust.
Czech Republic. OELs. Governme Components Hydrated Magnesium Silicate (CAS 14807-96-6) Finland. Workplace Exposure Lin Components Hydrated Magnesium	Type TWA nits Type	10 mg/m3 10 mg/m3 Value	Total dust. Respirable dust. Form
Czech Republic. OELs. Governme Components Hydrated Magnesium Silicate (CAS 14807-96-6) Finland. Workplace Exposure Lim Components Hydrated Magnesium Silicate (CAS 14807-96-6) Greece. OELs (Decree No. 90/199	Type TWA Tits Type STEL	10 mg/m3 10 mg/m3 Value 2 ppm 1 ppm	Total dust. Respirable dust. Form Total dust.
Czech Republic. OELs. Governme Components Hydrated Magnesium Silicate (CAS 14807-96-6) Finland. Workplace Exposure Lim Components Hydrated Magnesium Silicate (CAS 14807-96-6)	Type TWA Tits Type STEL	10 mg/m3 10 mg/m3 Value 2 ppm	Total dust. Respirable dust. Form Total dust.
Czech Republic. OELs. Governme Components Hydrated Magnesium Silicate (CAS 14807-96-6) Finland. Workplace Exposure Lim Components Hydrated Magnesium Silicate (CAS 14807-96-6) Greece. OELs (Decree No. 90/199	Type TWA hits Type STEL 99, as amended)	10 mg/m3 10 mg/m3 Value 2 ppm 1 ppm	Total dust. Respirable dust. Form Total dust. Respirable.

-	Туре	es Value	Form
lydrated Magnesium silicate (CAS 14807-96-6)	TWA	2 mg/m3	Respirable.
reland. Occupational Exposure Limit Components	s Type	Value	Form
lydrated Magnesium iilicate (CAS 14807-96-6)	TWA	10 mg/m3	Total inhalable dust.
		0,8 mg/m3	Respirable dust.
Italy. Occupational Exposure Limits Components	Туре	Value	Form
lydrated Magnesium iilicate (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
atvia. OELs. Occupational exposure l Components	imit values of chemical Type	substances in work enviror Value	nment
Potassium chlorate (CAS	TWA	5 mg/m3	
3811-04-9) Lithuania. OELs. Limit Values for Che	mical Substances, Gene	eral Requirements	
Components	Туре	Value	Form
Hydrated Magnesium Silicate (CAS 14807-96-6)	TWA	2 mg/m3	Inhalable fraction.
Netherlands. OELs (binding)		1 mg/m3	Respirable fraction.
Components	Туре	Value	Form
Hydrated Magnesium Silicate (CAS 14807-96-6)	TWA	0,25 mg/m3	Respirable dust.
Norway. Administrative Norms for Co Components	ntaminants in the Work Type	place Value	Form
	T 11/		
	TLV	6 mg/m3	Total dust.
Hydrated Magnesium Silicate (CAS 14807-96-6)		2 mg/m3	Respirable dust.
Silicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and		2 mg/m3	Respirable dust.
vilicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and n Working Environment		2 mg/m3	Respirable dust.
Silicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and n Working Environment Components Hydrated Magnesium	Social Policy Regarding	2 mg/m3 J Maximum Allowable Conc	Respirable dust. entrations and Intensit
Silicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and n Working Environment Components Hydrated Magnesium	Social Policy Regarding	2 mg/m3 J Maximum Allowable Conc Value	Respirable dust. entrations and Intensit Form
Silicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and n Working Environment Components Hydrated Magnesium Silicate (CAS 14807-96-6) Portugal. VLEs. Norm on occupational	Social Policy Regarding Type TWA	2 mg/m3 9 Maximum Allowable Conc Value 4 mg/m3 1 mg/m3	Respirable dust. entrations and Intensit Form Total dust.
	Social Policy Regarding Type TWA	2 mg/m3 9 Maximum Allowable Conc Value 4 mg/m3 1 mg/m3 agents (NP 1796)	Respirable dust. entrations and Intensit Form Total dust. Respirable dust.
Silicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and n Working Environment Components Hydrated Magnesium Silicate (CAS 14807-96-6) Portugal. VLEs. Norm on occupational Components Hydrated Magnesium Silicate (CAS 14807-96-6) Silicate (CAS 14807-96-6) Silovakia. OELs. Regulation No. 300/2	Social Policy Regarding Type TWA exposure to chemical a Type TWA 007 concerning protect	2 mg/m3 9 Maximum Allowable Conc Value 4 mg/m3 1 mg/m3 agents (NP 1796) Value 2 mg/m3 ion of health in work with o	Respirable dust. entrations and Intensit Form Total dust. Respirable dust. Form Respirable fraction. chemical agents
Silicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and n Working Environment Components Hydrated Magnesium Silicate (CAS 14807-96-6) Portugal. VLEs. Norm on occupational Components Hydrated Magnesium Silicate (CAS 14807-96-6) Silovakia. OELs. Regulation No. 300/2 Components	Social Policy Regarding Type TWA exposure to chemical a Type TWA 007 concerning protect Type	2 mg/m3 3 Maximum Allowable Conc Value 4 mg/m3 1 mg/m3 agents (NP 1796) Value 2 mg/m3 ion of health in work with of Value	Respirable dust. entrations and Intensit Form Total dust. Respirable dust. Form Respirable fraction. chemical agents Form
Silicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and n Working Environment Components Hydrated Magnesium Silicate (CAS 14807-96-6) Portugal. VLEs. Norm on occupational Components Hydrated Magnesium Silicate (CAS 14807-96-6) Silovakia. OELs. Regulation No. 300/2 Components Hydrated Magnesium	Social Policy Regarding Type TWA exposure to chemical a Type TWA 007 concerning protect	2 mg/m3 3 Maximum Allowable Conc Value 4 mg/m3 1 mg/m3 agents (NP 1796) Value 2 mg/m3 ion of health in work with of Value 2 mg/m3	Respirable dust. entrations and Intensit Form Total dust. Respirable dust. Form Respirable fraction. chemical agents Form Respirable fraction.
Silicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and n Working Environment Components Hydrated Magnesium Silicate (CAS 14807-96-6) Portugal. VLEs. Norm on occupational Components Hydrated Magnesium Silicate (CAS 14807-96-6) Silovakia. OELs. Regulation No. 300/2 Components Hydrated Magnesium	Social Policy Regarding Type TWA exposure to chemical a Type TWA 007 concerning protect Type	2 mg/m3 3 Maximum Allowable Conc Value 4 mg/m3 1 mg/m3 agents (NP 1796) Value 2 mg/m3 ion of health in work with of Value	Respirable dust. entrations and Intensit Form Total dust. Respirable dust. Form Respirable fraction. chemical agents Form
Silicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and n Working Environment Components Hydrated Magnesium Silicate (CAS 14807-96-6) Portugal. VLEs. Norm on occupational Components Hydrated Magnesium Silicate (CAS 14807-96-6) Slovakia. OELs. Regulation No. 300/2 Components Hydrated Magnesium Silicate (CAS 14807-96-6) Slovenia. OELs. Regulations concernit	Social Policy Regarding Type TWA exposure to chemical a Type TWA 007 concerning protect Type TWA TWA	2 mg/m3 3 Maximum Allowable Conc Value 4 mg/m3 1 mg/m3 agents (NP 1796) Value 2 mg/m3 ion of health in work with of Value 2 mg/m3 10 mg/m3	Respirable dust. entrations and Intensit Form Total dust. Respirable dust. Form Respirable fraction. Chemical agents Form Respirable fraction. Respirable fraction. Total
Silicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and n Working Environment Components Hydrated Magnesium Silicate (CAS 14807-96-6) Portugal. VLEs. Norm on occupational Components Hydrated Magnesium Silicate (CAS 14807-96-6) Slovakia. OELs. Regulation No. 300/2 Components Hydrated Magnesium Silicate (CAS 14807-96-6) Slovenia. OELs. Regulations concerning working (Official Gazette of the Repu	Social Policy Regarding Type TWA exposure to chemical a Type TWA 007 concerning protect Type TWA TWA ag protection of worker blic of Slovenia)	2 mg/m3 3 Maximum Allowable Conc Value 4 mg/m3 1 mg/m3 agents (NP 1796) Value 2 mg/m3 ion of health in work with of Value 2 mg/m3 ion of health in work with of Value 2 mg/m3 5 against risks due to expose	Respirable dust. entrations and Intensit Form Total dust. Respirable dust. Form Respirable fraction. Chemical agents Form Respirable fraction. Respirable fraction. Total
Silicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and n Working Environment Components Hydrated Magnesium Silicate (CAS 14807-96-6) Portugal. VLEs. Norm on occupational Components Hydrated Magnesium Silicate (CAS 14807-96-6) Slovakia. OELs. Regulation No. 300/2 Components Hydrated Magnesium Silicate (CAS 14807-96-6) Slovenia. OELs. Regulations concerning working (Official Gazette of the Repu	Social Policy Regarding Type TWA exposure to chemical a Type TWA 007 concerning protect Type TWA TWA	2 mg/m3 3 Maximum Allowable Conc Value 4 mg/m3 1 mg/m3 agents (NP 1796) Value 2 mg/m3 ion of health in work with of Value 2 mg/m3 10 mg/m3	Respirable dust. entrations and Intensit Form Total dust. Respirable dust. Form Respirable fraction. Chemical agents Form Respirable fraction. Respirable fraction. Total sure to chemicals while
Silicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and in Working Environment Components Hydrated Magnesium Silicate (CAS 14807-96-6) Portugal. VLEs. Norm on occupational Components Hydrated Magnesium Silicate (CAS 14807-96-6) Slovakia. OELs. Regulation No. 300/2 Components Hydrated Magnesium Silicate (CAS 14807-96-6) Slovenia. OELs. Regulations concernin working (Official Gazette of the Repu Components Hydrated Magnesium Silicate (CAS 14807-96-6)	Social Policy Regarding Type TWA exposure to chemical a Type TWA 007 concerning protect Type TWA TWA and protection of worker blic of Slovenia) Type	2 mg/m3 3 Maximum Allowable Conc Value 4 mg/m3 1 mg/m3 agents (NP 1796) Value 2 mg/m3 ion of health in work with of Value 2 mg/m3 10 mg/m3 s against risks due to expos Value	Respirable dust. entrations and Intensit Form Total dust. Respirable dust. Form Respirable fraction. Chemical agents Form Respirable fraction. Respirable fraction. Total sure to chemicals while Form
Silicate (CAS 14807-96-6) Poland. MACs. Minister of Labour and In Working Environment Components Hydrated Magnesium Silicate (CAS 14807-96-6) Portugal. VLEs. Norm on occupational Components Hydrated Magnesium Silicate (CAS 14807-96-6) Slovakia. OELs. Regulation No. 300/2 Components Hydrated Magnesium Silicate (CAS 14807-96-6) Slovenia. OELs. Regulations concernin working (Official Gazette of the Repu Components Hydrated Magnesium	Social Policy Regarding Type TWA exposure to chemical a Type TWA 007 concerning protect Type TWA TWA and protection of worker blic of Slovenia) Type	2 mg/m3 3 Maximum Allowable Conc Value 4 mg/m3 1 mg/m3 agents (NP 1796) Value 2 mg/m3 ion of health in work with of Value 2 mg/m3 10 mg/m3 s against risks due to expos Value	Respirable dust. entrations and Intensit Form Total dust. Respirable dust. Form Respirable fraction. Chemical agents Form Respirable fraction. Respirable fraction. Total sure to chemicals while Form

Sweden. Occupational Ex Components	Type	Value	Form	
Hydrated Magnesium Silicate (CAS 14807-96-6)	TWA	2 mg/m3	Total dust.	
		1 mg/m3	Respirable dust.	
Switzerland. SUVA Grenzy Components	werte am Arbeitsplatz Type	Value	Form	
Hydrated Magnesium Silicate (CAS 14807-96-6)	TWA	2 mg/m3	Respirable dust.	
UK. EH40 Workplace Expo			_	
Components	Туре	Value	Form	
Hydrated Magnesium Silicate (CAS 14807-96-6)	TWA	1 mg/m3	Respirable dust.	
ological limit values	No biological exposure limits noted f	or the ingredient(s).		
ecommended monitoring rocedures	Supplier: 0.125 mg/m3 TWA 8 hour A Lilly exposure guideline has not be established by the supplier. Follow si	en established. The above exp	5	
erived no-effect level DNEL)	Not available.			
redicted no effect oncentrations (PNECs)	Not available.			
2. Exposure controls				
ygiene measures	Use good industrial hygiene practices in handling this material.			
	When mixing and handling, use prot Operators should wash thoroughly w occurs, immediately rinse with plenty	vith soap and water after handl		
	In a manufacturing setting, wear che contact. If handled in a ventilated e face shield may not be required. Sat	nclosure, as in a laboratory set	ting, respirator and goggles	
opropriate engineering ontrols	Open handling is not recommended. Use appropriate control measures such as fume hood, ventilated enclosure, local exhaust ventilation, or down-draft booth.			
dividual protection measure	es, such as personal protective equ	ipment		
General information	When mixing and handling, use prot Operators should wash thoroughly w occurs, immediately rinse with plenty	vith soap and water after handl		
Eye/face protection	Safety glasses with side-shields conf	orming to EN 166.		
Skin protection				
- Hand protection	Protective gloves complying with EN	374. Glove permeation data de	pes not exist for this material	
- Other	Not available.			
Respiratory protection	Respirator selection must be based of product and the safe working limits of approved under appropriate governm	of the respirator. Use respirator	rs and components tested an	
Thermal hazards	Not applicable.			
nvironmental exposure	Contain spills and prevent releases a appropriate managerial or supervisor			

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid	
Physical state	Solid.	
Form	Powder.	
Colour	Grey Brown	
Odour	Odourless.	
Odour 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)	HIGHLY FLAMMABLE SOLID.
Upper/lower flammability or e	xplosive limits
Flammability limit - lower (%)	No data available.
Flammability limit - upper (%)	No data available.
Explosive limit - lower (%)	No data available.
Explosive limit – upper (%)	No data available.
Vapour pressure	No data available.
Vapour density	No data available.
Relative density	No data available.
Solubility(ies)	No data available.
Partition coefficient	No data available.
(n-octanol/water)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	Not explosive.
Oxidizing properties	May cause or intensify fire; oxidiser.
9.2. Other information	
Density	No data available.
Flammability	No test data available.
Minimum ignition temperature	No data available.
Molecular weight	No data available.
Thermal hazards Thermal stability	Not applicable.
SECTION 10, Stability an	d reactivity

SECTION 10: Stability and reactivity

10.1. Reactivity	Not water reactive.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	Keep away from heat, sparks and open flame. Contact with incompatible materials. Sunlight.
10.5. Incompatible materials	Oxidizing agents. Combustible material. Peroxides. Phenols. Organic materials.
10.6. Hazardous decomposition products	Hazardous decomposition products formed under fire conditions

SECTION 11: Toxicological information

General information	Not available.		
11.1. Information on toxic	cological effects		
Acute toxicity	Harmful if inhaled or swallowed.		
Components	Species	Test results	
ENILCONAZOLE (CAS 35554-	44-0)		
Acute			
Dermal			
LD	Rat	> 2000 mg/kg	
Inhalation			
LC50	Rat	16 mg/l, 4 Hours	

Components	Species		Test results
Oral			
LD50	Rat		277 mg/kg
Potassium chlorate (CAS 3811-04-	9)		
Acute			
Dermal			
LD50	Rat		> 2000 mg/kg
Inhalation			
LC50	Rat		> 5,1 mg/l
Oral			
LD50	Rat		> 5000 mg/kg
			1870 mg/kg
* Estimates for product may b	be based on additional compo	nent data not shown.	
Skin corrosion/irritation	Based on available data, the classification criteria are not met.		
Serious eye damage/eye irritation	May cause severe irritation to eyes.		
Respiratory sensitisation	Due to lack of data the classification is not possible.		
Skin sensitisation	Based on available data, the classification criteria are not met.		
Germ cell mutagenicity	(Enilconazole) No effects identified in animal studies. (Potassium Chlorate) Due to lack of data the classification is not possible.		
Carcinogenicity	Due to lack of data the classification is not possible.		
IARC Monographs. Overal	Evaluation of Carcinogen	icity	
Hydrated Magnesium Silio	cate (CAS 14807-96-6)	2B Possibly carcinoger 3 Not classifiable as to	nic to humans. o carcinogenicity to humans.
Reproductive toxicity	Due to lack of data the classification is not possible.		
Specific target organ toxicity - single exposure	Due to lack of data the clas	sification is not possible.	
Specific target organ toxicity - repeated exposure	Due to lack of data the classification is not possible.		
Aspiration hazard	Due to lack of data the clas	sification is not possible.	
Mixture versus substance information	Not available.		
Other information	Not available.		
SECTION 12: Ecological	information		
12.1 Taulalta			

12.1. Toxicity			
Components		Species	Test results
ENILCONAZOLE (CAS 35554-44-0))		
Crustacea	EC50	Daphnia	3,5 ppm, 48 hours
Other	LC50	Rainbow trout	1,48 mg/l, 96 hours
* Estimates for product may I	be based on ad	ditional component data not shown.	
12.2. Persistence and degradability	No data is av	No data is available on the degradability of this product.	
12.3. Bioaccumulative potential	No data avai	No data available on bioaccumulation.	
Partition coefficient n-octanol/water (log Kow)	No data avai	able.	
ENILCONAZOLE	3,82 Test method not available., at pH 9,2		
Bioconcentration factor (BCF)	Not available.		
12.4. Mobility in soil	No data available.		
12.5. Results of PBT and vPvB assessment	Chemical Safety Assessment is not required for this substance.		
12.6. Other adverse effects	Not available		

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations. Do not allow this material to drain into sewers/water supplies. methods/information

SECTION 14: Transport information

۸	n	D
m	υ	r

ADR	
14.1. UN number 14.2. UN proper shipping name	UN1479 Oxidizing solid, n.o.s. (Potassium chlorate)
14.3. Transport hazard cla	ss(es)
Class Subsidiary risk Label(s)	5.1 - 5.1
Hazard No. (ADR) Tunnel restriction code	50 Not available.
14.4. Packing group 14.5. Environmental hazards	II Yes.
14.6. Special precautions for user RID	Read safety instructions, SDS and emergency procedures before handling.
14.1. UN number 14.2. UN proper shipping name	UN1479 Oxidizing solid, n.o.s. (Potassium chlorate)
14.3. Transport hazard cla	
Class Subsidiant risk	5.1
Subsidiary risk Label(s)	- 5.1
14.4. Packing group	II
14.5. Environmental hazards	Yes.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
ADN	
14.1. UN number	UN1479
14.2. UN proper shipping name	Oxidizing solid, n.o.s. (Potassium chlorate)
14.3. Transport hazard cla	
Class	5.1
Subsidiary risk	-
Label(s) 14.4. Packing group	5.1 II
14.4. Packing group 14.5. Environmental hazards	Yes
14.6. Special precautions for user IATA	Read safety instructions, SDS and emergency procedures before handling.
14.1. UN number	UN1479
14.2. UN proper shipping name	Oxidizing solid, n.o.s. (Potassium Chlorate)
14.3. Transport hazard cla	ss(es)
Class	5.1
Subsidiary risk	
Label(s)	5.1
14.4. Packing group 14.5. Environmental	II Yes
hazards	Tes
ERG Code	5L
14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
for user	
Other information	
Passenger and cargo aircraft	Allowed.
Material name: Clinafarm Smoke	

Cargo aircraft only	Allowed.
IMDG	
14.1. UN number	UN1479
14.2. UN proper shipping	OXIDIZING SOLID, N.O.S. (Potassium Chlorate), MARINE POLLUTANT
name	
14.3. Transport hazard clas	ss(es)
Class	5.1
Subsidiary risk	-
Label(s)	5.1
14.4. Packing group	II
14.5. Environmental hazar	ds
Marine pollutant	Yes
EmS	F-A, S-Q
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

ADN; ADR; IATA; IMDG; RID



Marine pollutant



SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

	the protection of workers from the risks related to exposure to carcinogens and
mutagens at work Not listed.	
Not listed. National regulations	Follow national regulation for work with chemical agents.
15.2. Chemical safety	Chemical Safety Assessment is not required for this substance.
assessment	
SECTION 16: Other inform	mation
List of abbreviations	Not available.
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculatior methods and test data, if available.
Full text of any statements or R-phrases and H-statements under Sections 2 to 15	 R9 Explosive when mixed with combustible material. R11 Highly flammable. R20/22 Harmful by inhalation and if swallowed. R41 Risk of serious damage to eyes. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. H271 May cause fire or explosion; strong oxidiser. H302 Harmful if swallowed. H318 Causes serious eye damage. H332 Harmful if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Lilly Lab Code	Health: 2 Fire: 3 Reactivity: 1 Special 1: OX
Revision information	Product and Company Identification: Alternate Trade Names SECTION 2: Hazards identification: Response SECTION 6: Accidental release measures: For non-emergency personnel SECTION 10: Stability and reactivity: 10,4. Conditions to avoid Toxicological Information: Toxicological Data Ecological Information: Ecotoxicity SECTION 16: Other information: Disclaimer SECTION 16: Other information: Information on evaluation method leading to the classification of mixture
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