# Safety data sheet in accordance with Regulation (EC) No 1907/2006



2.2	Label elements in accordance with Regulation (EC)	) No 1272/2008
	Hazard pictogram(s):	No pictogram
	Signal word(s):	No signal word
	Product identifier:	Not required
	Hazard statements:	Not required
	Precuationary statements:	Not required
	Supplemental label for certain mixtures:	Not required
2.3	Other hazards	
	No special hazards have to be mentioned, however a	void formation of dust during processing and treatment.
	The dustiness of the product has been determined in	accordance with DIN 33897-2 and EN 15051-Method B.
	Classification of dustiness according to EN 15051-M	lethod B:
	Dusting propensity concerning respirable dust:	moderate
	Dusting propensity concerning inhalable dust:	high
	The criteria for identifying substances as PBT and vI	PvB set out in Annex XIII of Regulation (EC) No 1907/2006
	shall not apply to inorganic substances.	

			Page 2 of 8			
Trade r		Perligran G 0/1, 0/3, 0/6, 2/6				
Company/Undertaking: Telephone Product number:		KNAUF AQUAPANEL GmbH	Devision data: 14.11.2014			
		Kipperstraße 19, D-44147 Dortmund +49-231-9980-01	Revision date: 14.11.2014			
		depe0001				
3.	-	/information on ingredients				
3.1	Substances					
		stration number:				
		Annex $V(7)$ , perlite is exempted from the obligation to regist	er, if it is not chemically modified.			
3.1.1		uent of the substance	100000			
		is perlite of volcanic origin recovered by expansion at temper	atures above 1000°C.			
	CAS No:	93763-70-3				
	EC No:	Not listed				
212	Index No:	Not listed				
3.1.2		bilising additive, or individual constituent	ass than 10/ in the dust fraction of norlite			
	CAS No:	contains quartz. The content of the respirable dust fraction is h 14808-60-7	ess than 1% in the dust fraction of perific.			
	EC No:	238-878-4				
3.1.3	Index No: Not listed Additional information					
5.1.5	None.	jormation				
4.	First aid mea	DENIHOS				
 4.1		f first aid measures				
4.1.1	General info					
4.1.1	v	yewash should be provided in the immediate working surroun	dings			
4.1.2	In case of in		angs.			
	v	ust is inhaled, ensure supply of fresh air.				
		f symptoms take medical treatment.				
4.1.3		ntact with skin				
	•	easures necessary.				
4.1.4		ntact with eyes				
	In case of cor	tact with eyes, rinse immediately with plenty of flowing wate	er for 10 to 15 minutes holding eyelids			
	apart and con	sult an ophthalmologist.				
	Remove cont	act lenses, if present and easy to do.				
	Do not rub eyes, cornea damage is possible by mechanical stress.					
4.1.5	In case of ing					
		easures necessary.				
4.2		ant symptoms and effects, both acute and delayed				
		ist is inhaled: irritant effect on the respiratory tract, e.g. burning	ng, coughing.			
		ttact of liberated dust with eyes: burning eyes, tears.				
4.3	v	any immediate medical attention and special treatment need	ded			
	Treat sympto	matically. No information available.				
5	Finafiahtina	mansuras				
5. 5.1	Firefighting Extinguishin					
5.1 5.1.1	Extinguishin	g meata 1guishing media				
5.1.1		<i>iguisning meaua</i> is non-combustible. Fire extinguishing method of surroundin	a areas must be discussed			

- Product itself is non-combustible. Fire extinguishing method of surrounding areas must be discussed. **5.1.2** *Unsuitable extinguishing media*
- Product itself is non-combustible. Fire extinguishing method of surrounding areas must be discussed.
  5.2 Special hazards arising from the substance or mixture
- No special hazards have to be mentioned.
- **5.3** *Advice for firefighters* Wear self-contained breathing apparatus.

			Page 3 of
Trade n		Perligran G 0/1, 0/3, 0/6, 2/6	
Company/Undertaking:		KNAUF AQUAPANEL GmbH	Revision date: 14.11.2014
Felepho	one	Kipperstraße 19, D-44147 Dortmund +49-231-9980-01	Revision date: 14.11.2014
	t number:	depe0001	
5.	Accidental r	elease measures	
5.1		cautions. protective equipment and emergency procedur	res
5.1.1		rgency personnel	
		tion of dust. Ensure adequate ventilation.	
		om unprotected people.	
5.1.2		cy responders	
6.2		abric for personal protective clothing see Section 8.	
0.2		tal precautions easures necessary.	
6.3		material for containment and cleaning up	
J.J		anically. Avoid formation of dust.	
		ompressed air for cleaning surfaces or clothing.	
		l industrial vacuum cleaner for removal.	
6.4		other sections	
	For personal	protective equipment see also Section 8.	
	For disposal of	considerations see also Section 13.	
7.	Handling an	d storage	
7.1	0	for safe handling	
7.1.1	Advice on say		
		ion of dust. When filling, transferring, or emptying of cor	ntainers, adequate suctioning close to work
	place necessa		
	Do not comp	ress empty bags, except when contained in another clean l	bag.
		that cannot be avoided must be taken up regularly.	
		the minimum standards in accordance with TRGS 500.1 I	In case of release of mineral dust, comply with
		measures in accordance with TRGS 559. <sup>1</sup>	
		st formation and release of only small amounts of dust (rat	
		idelines $100^1$ and $110^1$ must be taken into consideration i	
	In case of dus	st formation and release of medium to large amounts of du he protection guidelines $200^1$ , $208^1$ and $240^1$ must be addi	ust (range of kilograms up to tons) the model
			itionally taken into consideration in designing
7.1.2	the work proc	neral occupational hygiene	
		e dust. Use suitable barrier skin cream in case of sensitive	skin
		yewash should be provided in the immediate working sur	
7.2		or safe storage, including any incompatibilities	
7.2.1		otection against fire and explosion	
		easures necessary.	
7.2.2	Requirement	s for storage rooms and vessels	
		the original container. Keep container tightly closed.	
7.2.3		orage compatibility	
	Do not store t	together with hydrofluoric acid.	
		ion about joint storage given in Table 2 of TRGS $510^1$ mu	ust be observed.
7.2.4		rmation on storage conditions	
	Store in a dry		
7.2.5 Storage class (for Germany only)			
1.2.5	LUK 13 (non	-combustible solids) in accordance with TRGS $510^1$ .	
		anein i	
7.2.5 7.3	Specific end		1.2
	Specific end The product i	s only intended for the uses mentioned under subsection 1 ed use: as a soil amendment and general horticultural med	

## Exposure controls/personal protection *Control parameters* 8.

## 8.1

Control paramet	C/ 3		
CAS number	Identification	Limit values	Remarks
93763-70-3	perlite		National limit values – eight hours
	-	5 mg/m <sup>3</sup> inhalable aerosol	Austria
		10 mg/m <sup>3</sup>	Belgium
		4 mg/m <sup>3</sup>	Latvia
			National limit values – short term
		10 mg/m <sup>3</sup> inhalable aerosol	Austria

The methods for measuring chemical agents in workplace atmosphere must meet the general requirements of EN 481, EN 482 and EN 689.

Page	4	of	8

Trade name:	Perligran G 0/1, 0/3, 0/6, 2/6	
Company/Undertaking:	KNAUF AQUAPANEL GmbH	
	Kipperstraße 19, D-44147 Dortmund	Revision date: 14.11.2014
Telephone	+49-231-9980-01	
Product number:	depe0001	

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See also subsection 7.1.

In case of dust formation exhaust ventilation at the object (initiation point) is necessary.

In case of release of dust, additionally comply with the protective measures in accordance with TRGS 559.<sup>1</sup>

The effectiveness of suitable protective measures must be controlled.

Suitable assessment methods are described in the German TRGS 402<sup>1</sup>.

## 8.2.2 Individual protection measures, such as personal protective equipment

Personal protective equipment needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer/supplier of the personal protective equipment.

## 8.2.2.1 Eye/face protection

Tightly fitting safety glasses in accordance with EN 166 (in case of dust formation).

## 8.2.2.2 Skin protection

Hand protection:

Work gloves for protection against mechanical damage. **Body protection:** 

Not necessary.

## 8.2.2.3 Respiratory protection

Filtering half mask to protect against particles FFP1 – FFP3 in accordance with EN 149 (in dust-laden atmosphere). Maximum use concentration for substances with occupational exposure limit values (OELV): P1-filter up to max. 4 x OELV; P2-filter up to max. 10 x OELV; P3-filter up to max. 30 x OELV. These values are only valid for Germany in accordance with the German DGUV Regel 112-190<sup>2</sup>. The limitations in wearing time according to the DGUV Regel 112-190<sup>2</sup> (rule of the German employers' liability insurance association) for the use of respirators have to observed.

#### 8.2.2.4 Thermal hazards

#### Not relevant.

8.2.3 *Environmental exposure controls* See Section 6.

## 9. Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

2.1	5 I 5 I I				
	Physical state:	solid (granulation 0/1, 0/3, 0/6 oder 2/6 mm)			
	Colour:	white			
	Odour:	odourless			
	Odour threshold:	no data available			
	pH (as supplied) (20°C):	6 - 8.5			
	pH (of an aqueous solution) (20°C):	not relevant			
	Melting point/freezing point (°C):	approx. 1400			
	Boiling point and boiling range (°C):	not relevant			
	Flash point (°C), closed cup:	not relevant			
	Evaporation rate:	not relevant			
	Flammability (solid, gas):	not relevant			
	Upper flammability or explosive limit:	not relevant			
	Lower flammability or explosive limit:	not relevant			
	Vapour pressure (20°C) (hPa):	not relevant			
	Vapour density (20°C):	not relevant			
	Density (g/cm <sup>3</sup> ):	2.0 - 2.2			
	Bulk density (kg/m <sup>3</sup> ):	35 - 108			
	Solubility in water:	< 1 wt %			
	Soluble in:	not determined			
	Partition coefficient: n-octanol/water:	not relevant			
	Auto-ignition temperature (°C):	not relevant			
	Temperature-resistance (°C):	up to + 800			
	Dynamic viscosity (mPa $\cdot$ s) (20°C):	not relevant			
	Explosive properties:	not explosive			
	Oxidising properties:	not relevant			
9.2	Other information				
	None.				

]	Page	5	of	8

Trade n					
Compo		Perligran G 0/1,			
Company/Undertaking:					D 1 4 14 14 0014
Talanh		Kipperstraße 19, D-44147 Dortmund		Revision date: 14.11.2014	
Telepho Product	t number:	+49-231-9980-0 depe0001	1		
Tiouuci	t number.	depeooor			
10	64-1-114				
10.	Stability and	reactivity			
10.1	Reactivity	11 6 1			
		able for the proc	Juct.		
10.2	Chemical sta	•			
			ormal ambient a	nd anticipated storage and hand	lling conditions of temperature
	and pressure.				
10.3		hazardous reac		_	
			azardous reactior	ı known.	
10.4	Conditions to				
		-	articular conditio	ons known.	
10.5	Materials to a				
		t with hydrofluc			
10.6		ecomposition pr			
			products known		
	For hazardous	s combustion pr	oducts see subse	ction 5.2.	
11.	Tovicologico	l information			
11.1	0	on toxicological	1 offaats		
1.1.1			and distribution		
113		vailable for the			
11.1.2			irritation and co		
	LD50 rat, ora		(mg/kg)	No data available.	
	LD50 rat, der		(mg/kg)	No data available.	
	LC50 rat, inh		(mg/l/4h)	No data available.	
	Irritant effect			No data available.	
	Irritant effect	on eyes		No data available.	
11.1.3	Sensitisation				
			perties of perlite	has been found.	
1.1.4	Repeated dos	e toxicitv			
	No data avail				
		able.			
1.1.5	CMR effects	able. ( <i>carcinogenicit</i>	y, mutagenicity,	toxicity for the reproduction)	
1.1.5	CMR effects Carcinogenic	able. ( <i>carcinogenicit</i> ity	y, mutagenicity,	No data available.	
1.1.5	CMR effects	able. ( <i>carcinogenicit</i> ity	y, mutagenicity,		
	<i>CMR effects</i> Carcinogenic Mutagenicity Toxicity for t	able. ( <i>carcinogenicit</i> ) ity he reproduction		No data available. No data available. No data available.	
	<i>CMR effects</i> Carcinogenic Mutagenicity Toxicity for t	able. ( <i>carcinogenicit</i> ) ity he reproduction		No data available. No data available.	registration
	<i>CMR effects</i> Carcinogenic Mutagenicity Toxicity for t	able. ( <i>carcinogenicit</i> ity he reproduction <i>ive evaluation o</i>		No data available. No data available. No data available.	registration
11.1.6	CMR effects Carcinogenicity Mutagenicity Toxicity for the Comprehensite No data available	able. ( <i>carcinogenicit</i> ity he reproduction <i>ive evaluation o</i>	f the CMR prop	No data available. No data available. No data available.	registration
1.1.6	CMR effects Carcinogenicity Mutagenicity Toxicity for the Comprehension No data availation	able. ( <i>carcinogenicit</i> ity he reproduction <i>ive evaluation o</i> able. <i>on likely routes</i>	f the CMR propo of exposure	No data available. No data available. No data available.	
1.1.6 1.1.7	CMR effects Carcinogenic: Mutagenicity Toxicity for t Comprehensi No data avail Information If liberated du In case of cor	able. ( <i>carcinogenicit</i> ) ity he reproduction <i>ive evaluation o</i> able. <i>on likely routes</i> ast is inhaled: im tact of liberated	of the CMR propo of exposure ritant effect on the dust with eyes:	No data available. No data available. No data available. erties of substances subject to r ne respiratory tract, e.g. burning burning eyes, tears.	g, coughing.
1.1.6 1.1.7	CMR effects Carcinogenic: Mutagenicity Toxicity for t Comprehensi No data avail Information If liberated du In case of cor	able. ( <i>carcinogenicit</i> ) ity he reproduction <i>ive evaluation o</i> able. <i>on likely routes</i> ast is inhaled: im tact of liberated	of the CMR propo of exposure ritant effect on the dust with eyes:	No data available. No data available. No data available. erties of substances subject to r ne respiratory tract, e.g. burning burning eyes, tears.	g, coughing.
1.1.6	CMR effects Carcinogenici Mutagenicity Toxicity for t Comprehensi No data avail Information If liberated du In case of cor Symptoms rea	able. ( <i>carcinogenicit</i> ) ity he reproduction <i>ive evaluation o</i> able. <i>on likely routes</i> ast is inhaled: in thact of liberated <i>lated to the phy</i>	of the CMR property of exposure ritant effect on the dust with eyes: sical, chemical a	No data available. No data available. No data available. erties of substances subject to r ne respiratory tract, e.g. burning burning eyes, tears. and toxicological characteristic	g, coughing.
1.1.6	CMR effects Carcinogenic: Mutagenicity Toxicity for t Comprehensi No data avail Information If liberated du In case of cor Symptoms rea If liberated du	able. ( <i>carcinogenicit</i> ) ity he reproduction <i>ive evaluation o</i> able. <i>on likely routes</i> ust is inhaled: im tact of liberated <i>lated to the phy</i> ust is inhaled: im	of the CMR proper of exposure ritant effect on the d dust with eyes: sical, chemical a ritant effect on the	No data available. No data available. No data available. erties of substances subject to r ne respiratory tract, e.g. burning burning eyes, tears. and toxicological characteristic ne respiratory tract, e.g. burning	g, coughing.
1.1.6 1.1.7 1.1.8	CMR effects Carcinogenic: Mutagenicity Toxicity for t Comprehensi No data avail Information If liberated du In case of cor Symptoms rea If liberated du In case of cor	able. (carcinogenicity ity he reproduction ive evaluation of able. on likely routes ast is inhaled: im- tract of liberated lated to the phy- ast is inhaled: im- tract of liberated	of exposure ritant effect on the dust with eyes: sical, chemical a ritant effect on the dust with eyes:	No data available. No data available. No data available. erties of substances subject to not ne respiratory tract, e.g. burning burning eyes, tears. and toxicological characteristic ne respiratory tract, e.g. burning burning eyes, tears.	g, coughing. cs g, coughing.
1.1.6 1.1.7 1.1.8	CMR effects Carcinogenic: Mutagenicity Toxicity for t Comprehensi No data avail: Information If liberated du In case of cor Symptoms rei If liberated du In case of cor Delayed and	able. (carcinogenicity ity he reproduction ive evaluation of able. on likely routes ast is inhaled: im thact of liberated lated to the physical ast is inhaled: im thact of liberated immediate effection	of exposure ritant effect on the dust with eyes: sical, chemical a ritant effect on the dust with eyes: cts as well as chr	No data available. No data available. No data available. erties of substances subject to r me respiratory tract, e.g. burning burning eyes, tears. and toxicological characteristic me respiratory tract, e.g. burning burning eyes, tears. ronic effects from short and lor	g, coughing. cs g, coughing. ng-term exposure
1.1.6 1.1.7 1.1.8	CMR effects Carcinogenic: Mutagenicity Toxicity for t Comprehensi No data avail. Information If liberated du In case of cor Symptoms rea If liberated du In case of cor Delayed and If liberated du	able. (carcinogenicity ity he reproduction ive evaluation of able. on likely routes ast is inhaled: im- thact of liberated lated to the physical ast is inhaled: im- thact of liberated immediate effect ast is inhaled: im-	of exposure ritant effect on the dust with eyes: sical, chemical a ritant effect on the dust with eyes: cts as well as chr ritant effect on the	No data available. No data available. No data available. erties of substances subject to not ne respiratory tract, e.g. burning burning eyes, tears. and toxicological characteristic ne respiratory tract, e.g. burning burning eyes, tears. conic effects from short and lon ne respiratory tract, e.g. burning	g, coughing. cs g, coughing. ng-term exposure
1.1.6 1.1.7 1.1.8 1.1.9	CMR effects Carcinogenic: Mutagenicity Toxicity for t Comprehensi No data avail. Information If liberated du In case of cor Symptoms rea If liberated du In case of cor Delayed and If liberated du In case of cor	able. (carcinogenicity ity he reproduction ive evaluation of able. on likely routes ust is inhaled: im thact of liberated lated to the physical ust is inhaled: im thact of liberated immediate effect ust is inhaled: im thact of liberated	of exposure ritant effect on the dust with eyes: sical, chemical a ritant effect on the dust with eyes: cts as well as chr ritant effect on the	No data available. No data available. No data available. erties of substances subject to r me respiratory tract, e.g. burning burning eyes, tears. and toxicological characteristic me respiratory tract, e.g. burning burning eyes, tears. ronic effects from short and lor	g, coughing. cs g, coughing. ng-term exposure
11.1.6 11.1.7 11.1.8 11.1.9	CMR effects Carcinogenic: Mutagenicity Toxicity for ti Comprehensi No data availa Information a If liberated du In case of corn Symptoms rea If liberated du In case of corn Delayed and If liberated du In case of corn Olneractive ef	able. (carcinogenicity ity he reproduction ive evaluation of able. on likely routes ast is inhaled: im thact of liberated lated to the physical st is inhaled: im thact of liberated immediate effect ast is inhaled: im thact of liberated fects	of the CMR propo of exposure ritant effect on the dust with eyes: sical, chemical a ritant effect on the dust with eyes: cts as well as chr ritant effect on the dust with eyes:	No data available. No data available. No data available. erties of substances subject to not ne respiratory tract, e.g. burning burning eyes, tears. and toxicological characteristic ne respiratory tract, e.g. burning burning eyes, tears. ronic effects from short and lon ne respiratory tract, e.g. burning burning eyes, tears.	g, coughing. cs g, coughing. ng-term exposure
11.1.6 11.1.7 11.1.8 11.1.9 11.1.1	CMR effects Carcinogenic: Mutagenicity Toxicity for t Comprehensi No data avail: Information If liberated du In case of cor Symptoms rea If liberated du In case of cor Delayed and If liberated du In case of cor Delayed and If liberated du In case of cor Olnteractive eff	able. (carcinogenicity ity he reproduction ive evaluation of able. on likely routes ast is inhaled: im- thact of liberated lated to the phys- ast is inhaled: im- thact of liberated immediate effect is inhaled: im- thact of liberated fects on on interactive	of the CMR propo of exposure ritant effect on the dust with eyes: sical, chemical a ritant effect on the dust with eyes: cts as well as chr ritant effect on the dust with eyes:	No data available. No data available. No data available. erties of substances subject to not ne respiratory tract, e.g. burning burning eyes, tears. and toxicological characteristic ne respiratory tract, e.g. burning burning eyes, tears. conic effects from short and lon ne respiratory tract, e.g. burning	g, coughing. cs g, coughing. ng-term exposure
11.1.6 11.1.7 11.1.8 11.1.9 11.1.1	CMR effects Carcinogenic: Mutagenicity Toxicity for t Comprehensi No data availa Information a If liberated du In case of corn Delayed and If liberated du In case of corn Delayed and If liberated du In case of corn Oltareactive eff No informatio 1 General remo	able. (carcinogenicity ity he reproduction ive evaluation of able. on likely routes ast is inhaled: im- thact of liberated lated to the phys- ast is inhaled: im- thact of liberated immediate effect is inhaled: im- thact of liberated fects on on interactive	of the CMR propo of exposure ritant effect on the dust with eyes: sical, chemical a ritant effect on the dust with eyes: cts as well as chr ritant effect on the dust with eyes: e effects available	No data available. No data available. No data available. erties of substances subject to r ne respiratory tract, e.g. burning burning eyes, tears. and toxicological characteristic ne respiratory tract, e.g. burning burning eyes, tears. ronic effects from short and lon ne respiratory tract, e.g. burning burning eyes, tears.	g, coughing. cs g, coughing. ng-term exposure

Page	6	of	8

		D. 1		
rade n		Perligran G 0/1, 0/3, 0/6, 2/6	**	
ompa	ny/Undertaking:	KNAUF AQUAPANEL Gml Kipperstraße 19, D-44147 Do		Revision date: 14.11.2014
elepho	ne	+49-231-9980-01	rtmuna	Revision date: 14.11.2014
	t number:	depe0001		
		1		
2.	Ecological in	formation		
2.1	Toxicity			
	Aquatic toxic	city:		
	LC50	(fish)	No data available.	
	EC50	(daphnia)	No data available.	
	IC50	(algae)	No data available.	
	Behaviour in	sewage works:		
	Inorganic pro	duct, insoluble in water. Ca	n be mechanically refined for the	he most part in waste water cleaning plants.
2.2	Persistence a	nd degradability	-	
	The product is	s insoluble in water.		
			cal degradability are not applica	able to inorganic substances.
2.3	Bioaccumula			-
	The methods	for determining the bioaccu	mulative potential are not appl	icable to inorganic substances.
2.4	Mobility in so			
	The product h	as not been tested.		
2.5	<b>Results of PB</b>	T and vPvB assessment		
	The criteria fo	or identifying substances as	PBT and vPvB set out in Anne	x XIII of Regulation (EC) No 1907/2006
	shall not apply	y to inorganic substances.		
2.6	Other adverse	e effects		
	Ozone depleti	on potential	No data available.	
	Photochemica	al ozone creation potential	No data available.	
	Global warmi	ng potential	No data available.	
			NO data available.	
	AOX-hint		Not to apply.	
2.7		rmation		
2.7	AOX-hint <i>Further info</i>	rmation gen demand (COD)		
2.7	AOX-hint <i>Further info</i> Chemical oxy Biochemical o	gen demand (COD) oxygen demand (BOD5)	Not to apply. No data available. No data available.	
2.7	AOX-hint <i>Further info</i> Chemical oxy Biochemical o	gen demand (COD) oxygen demand (BOD5)	Not to apply. No data available. No data available.	ctives 2006/11/EC and 80/68/EEC:
2.7	AOX-hint <i>Further info</i> Chemical oxy Biochemical o	gen demand (COD) oxygen demand (BOD5)	Not to apply. No data available. No data available.	ctives 2006/11/EC and 80/68/EEC:
-	AOX-hint <i>Further info</i> Chemical oxy Biochemical o <b>Contains acc</b> None.	gen demand (COD) oxygen demand (BOD5) ording to the formulation	Not to apply. No data available. No data available.	ctives 2006/11/EC and 80/68/EEC:
3.	AOX-hint Further info Chemical oxy Biochemical o Contains acc None. Disposal cons	gen demand (COD) oxygen demand (BOD5) ording to the formulation siderations	Not to apply. No data available. No data available.	ctives 2006/11/EC and 80/68/EEC:
3.	AOX-hint Further info Chemical oxy Biochemical o Contains acc None. Disposal cons Waste treatmo	gen demand (COD) oxygen demand (BOD5) ording to the formulation siderations ent methods	Not to apply. No data available. No data available. following compounds of direc	ctives 2006/11/EC and 80/68/EEC:
3.	AOX-hint Further info Chemical oxy Biochemical o Contains acc None. Disposal cons Waste treatme Waste disposa	gen demand (COD) oxygen demand (BOD5) ording to the formulation siderations ent methods al according to official state	Not to apply. No data available. No data available. <b>following compounds of dire</b> regulations.	ctives 2006/11/EC and 80/68/EEC:
3.	AOX-hint Further info Chemical oxy Biochemical o Contains acc None. Disposal cons Waste treatme Waste disposa Consult the lo	gen demand (COD) oxygen demand (BOD5) ording to the formulation siderations ent methods al according to official state cal waste disposal expert a	Not to apply. No data available. No data available. <b>following compounds of dire</b> regulations. pout waste disposal.	
3.	AOX-hint Further info Chemical oxy Biochemical o Contains acc None. Disposal cons Waste treatme Waste disposa Consult the lo Disposal oper	gen demand (COD) oxygen demand (BOD5) ording to the formulation siderations ent methods al according to official state cal waste disposal expert a rations/recovery operation	Not to apply. No data available. No data available. <b>following compounds of dire</b> regulations. pout waste disposal. <b>as according to Directive 2008</b>	3/98/EC
3.	AOX-hint Further info Chemical oxy Biochemical o Contains acc None. Disposal cons Waste treatma Waste disposa Consult the lo Disposal oper Disposal oper	gen demand (COD) oxygen demand (BOD5) ording to the formulation siderations ent methods al according to official state cal waste disposal expert a rations/recovery operation ations D	Not to apply. No data available. No data available. following compounds of direct regulations. pout waste disposal. as according to Directive 2008 1 Deposit into or on to	<b>3/98/EC</b> o land
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T 1		Dell'anna C 0/1 0/2 0/6 2/6	Page 7 of
Trade name: Perligran G 0/1, 0/3, 0/6, 2/6 Company/Undertaking: KNAUF AQUAPANEL GmbH			
Telephone Product number:		Kipperstraße 19, D-44147 Dortmund	Revision date: 14.11.2014
		+49-231-9980-01	
		depe0001	
14.	Transport in	formation	
14.1	UN number	i of mation	
		good in accordance with the UN Model Regulation	ons (ADR/RID/ADN/IMDG/ICAO/IATA).
14.2	UN proper sh		
	Not relevant.		
14.3	Transport ha	zard class(es)	
	Not relevant.		
14.4	Packing grou	и <b>р</b>	
145	Not relevant.		
14.5	Environment	ai nazaras	
14.6	Not relevant.	utions for user	
14.0	Not relevant.	unons joi user	
14.7		bulk according to Annex II of MARPOL 73/78 a	nd the IBC Code
- •••	Not relevant.		
15	D		
15. 15.1	Regulatory in	and environmental regulations/legislation speci	ific for the substance or mixture
		regarding relevant Community provisions	fit for the substance of maxime
10.111		EC) No 1907/2006:	Annex V (7) (perlite)
	0	-,	(exemptions from the obligation to register)
15.1.2	Information	regarding national laws/national measures that n	
		n restriction of occupation:	Not relevant
		nt Regulation:	Not relevant
		osion hazards:	Not relevant
	Regulation or	n clean air (TA Luft):	Number 5.2.1 (exhaust stream in case of liberation
			dust during processing and treatment)
	Water hazard		Not hazardous to water according to VwVwS <sup>3</sup>
		nance on Hazardous Substances e with EC-Directive 98/24/EC):	Article 6 must be observed.
		· · · · · · · · · · · · · · · · · · ·	Article o must be observed.
		eration of dust during processing and treatment: nance on Hazardous Substances	
		e with EC-Directive 98/24/EC):	Articles 7, 8, 9, 14, Annex I No 2
		a Occupational Medical Prevention (ArbMedVV):	
			Obligatory prophylaxis: The employer shall arrange
			occupational medical prophylaxis for workers con-
			ducting activities with exposure to inhalable dust,
			if the occupational exposure limit value is exceeded
			Annex, Part 1 (2):
			Prophylaxis offer: For activities involving inhalable
			dust occupational medical prevention has to be
	Technical D.	les for Hazardous Substances <sup>1</sup> :	offered. TRGS 400, 402, 500, 510, 555, 559, 900
		employers' liability insurance association <sup>2</sup> :	DGUV Regel 112-190, 112-192
		of the employers' liability insurance association :	
			ntrol scheme for hazardous substances of the Federal
		Occupational Safety and Health, version 2.2, 2012 <sup>4</sup>	
	monute for C	see apaironal barety and floatin, version 2.2, 2012	(in case of release of mineral dust, the protective
			measures in accordance with TRGS 559 <sup>1</sup> should be
			applied preferably)
15.0	<i>c</i> i · 1 <i>c</i>	fate Account	······································

15.2 *Chemical Safety Assessment* No Chemical Safety Assessment has been carried out.

		Safety data sheet in accordance with	Page 8 of	
Trade name:		Perligran G 0/1, 0/3, 0/6, 2/6		
Compa	any/Undertaking:	KNAUF AQUAPANEL GmbH		
		Kipperstraße 19, D-44147 Dortmund	Revision date: 14.11.2014	
Telephone		+49-231-9980-01		
roduc	et number:	depe0001		
16.	Other inforn	nation		
16.1	Keeping (restrictions)		Not relevant	
	Supply		to industry consumer, for the general public	
16.2	Full text of th	Full text of the hazard statements referred to under point 2.1.1 of the Safety Data Sheet		
	Not to apply.	· ·		
16.3	Full text of th	Full text of the R phrases referred to under point 2.1.2 of the Safety Data Sheet		
	Not to apply.			
16.4	Label elemen	ts in accordance with Directive 67/548/EE	С	
	Symbol(s) of danger:		Not required	
	Indication(s) of danger:		Not required	
	Hazardous component(s) to be indicated on label:		Not required	
	R phrases:		Not required	
	S phrases:		Not required	
	Special labelling for certain mixtures:		Not required	
16.5	Key to abbreviations and acronyms used in the safety data sheet			
	ADN: Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure			
	ADR:		ernational des marchandises dangereuses par route	
	AOX:	adsorbable organically bound halogens		
	ICAO/IATA:	International Civil Aviation Organisation/International Air Transport Association-Dangerous		
		Goods Regulations		
	IMDG-Code:	de: International Maritime Dangerous Goods-Code		
	LGK:	Lagerklasse (storage class)		
	PBT:	persistent, bioaccumulative and toxic		
	RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer		
	TRGS:	Technische Regeln für Gefahrstoffe (Technical Rules for Hazardous Substances)		
	vPvB:	very persistent and very bioaccumulative		
	VwVwS:	Verwaltungsvorschrift wassergefährdende Stoffe (Administrative Regulation of		
	Water-polluting Substances)			
6.6	Literature references and sources for data			
	<sup>1</sup> http://www.baua.de			
	<sup>2</sup> <u>http://www.arbeitssicherheit.de</u>			
	<sup>3</sup> http://www.umweltbundesamt.de			
	<sup>4</sup> http://www.baua.de/emkg			
167	Internet we block have been made to the manipus various of the safety data sheet			

16.7Changes which have been made to the previous version of the safety data sheet<br/>Revised sections:1.2, 8.1, 8.2.1, 8.2.2, 8.2.2.3, 9.1, 15.1.2

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Compiled by:

Dr. Michael Urban Fachberatung Gefahrstoff Gefahrgut Vogelbeerweg 3 D-26180 Rastede-Ipwege / Germany Tel.: +49-4402-695620 Fax: +49-4402-695621