



SAFETY DATA SHEET
according to 1907/2006/EC, Article 31

Page 1/7

GRAFO - THERM

Revision 0
Revision date 2015-07-10

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

1.1. Product identifier

Product name GRAFO - THERM

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

Product Use [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC14] Metal surface treatment products, including galvanic and electroplating products;

Description Anti Condensation Compound. Surface coating.

1.3. Details of the supplier of the safety data sheet

Company Grafo Products Limited
Address The Old Goods Depot
St Johns Road
Saxmundham
Suffolk IP17 1BE
www.grafoproducts.co.uk
Web
Telephone +44 (0)1728 603664
Fax
Email grafoproducts@btinternet.com
Email address of the competent person

1.4. Emergency telephone number

Emergency telephone number +44 (0)1728 603664
9.00am - 5.00pm Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008 Aquatic Chronic 3: H412;

2.2. Label elements

Hazard Statement Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Precautionary Statement: Prevention P273 - Avoid release to the environment.
Precautionary Statement: Disposal P501 - Dispose of contents/container to approved route.

2.3. Other hazards

Other hazards No data is available on this product.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Print date 2015-07-10

GRAFO - THERM

Revision 0
Revision date 2015-07-10

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Titanium dioxide		13463-67-7	236-675-5		1 - 10%		
Silicon dioxide (Silica, fused respirable dust)		60676-86-0	262-373-8		0 - 0.5%		
Diuron (ISO)	006-015-00-9	330-54-1	206-354-4		0 - 0.5%	Carc. Cat. 3; R40 Xn; R22-48/22 N; R50/53	M=10
2-Octyl-2H-isothiazol-3-one	613-112-00-5	26530-20-1	247-761-7		0 - 0.5%	T; R23/24 Xn; R22 C; R34 R43 N; R50/53	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Titanium dioxide		13463-67-7	236-675-5		1 - 10%		
Silicon dioxide (Silica, fused respirable dust)		60676-86-0	262-373-8		0 - 0.5%		
Diuron (ISO)	006-015-00-9	330-54-1	206-354-4		0 - 0.5%	Carc. 2: H351; Acute Tox. 4: H302; STOT RE 2: H373; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	M=10
2-Octyl-2H-isothiazol-3-one	613-112-00-5	26530-20-1	247-761-7		0 - 0.5%	Acute Tox. 3: H331; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
--	---

5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
--	---

5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
--	---

GRAFO - THERM

Revision 0

Revision date 2015-07-10

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

	Ensure adequate ventilation of the working area.
--	--

6.2. Environmental precautions

	Avoid release to the environment. Do not allow product to enter drains. Prevent further spillage if safe.
--	---

6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
--	---

6.4. Reference to other sections

	See section 2, 3, 8, 13 for further information.
--	--

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
--	--

7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Store at temperatures between 5 °C and 20 °C. Store in correctly labelled containers. Keep containers tightly closed.
--	--

7.3. Specific end use(s)

	See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.
--	---

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

	See section 8.2 for further information.
--	--

8.1.1. Exposure Limit Values

Diuron (ISO)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Silicon dioxide (Silica, fused respirable dust)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 0.08 WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Titanium dioxide	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total 10 inhalable dust: WEL 8-hr limit mg/m3 total 4 respirable dust:	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:


8.2. Exposure controls

GRAFO - THERM

Revision 0

Revision date 2015-07-10

8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear protective clothing.
Eye / face protection	In case of splashing, wear: Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Paste
Colour	Grey
Odour	Sweet
Odour threshold	No data available
pH	7 - 8
Melting point	No data available
Freezing Point	0 °C
Initial boiling point	100 °C
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable.
Vapour pressure	2266 Pa
Vapour density	No data available
Relative density	0.9 - 1.1 (H ₂ O = 1 @ 20 °C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	No data available
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Solubility	Miscible in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

	No data available.
--	--------------------

10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

10.3. Possibility of hazardous reactions

Print date 2015-07-10

GRAFO - THERM

Revision 0

Revision date 2015-07-10

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Do NOT allow to freeze. Store away from high temperatures. This product will not burn when dry and has a Class 0 fire rating.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

No data is available on this product.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

No data is available on this product.

11.1.4. Toxicological Information

No data available

SECTION 12: Ecological information**12.1. Toxicity**

2-Octyl-2H-isothiazol-3-one	Daphnia EC50/48h: 0.4200 mg/l Fish LC50/96h: 0.0360 mg/l	Algae IC50/72h: 0.084 mg/l
Diuron (ISO)	Daphnia EC50/48h: 1.4000 mg/l Fish LC50/96h: 14.7000 mg/l	Algae IC50/72h: 0.022 mg/l

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

Partition coefficient

GRAFO - THERM No data available

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Contact a licensed waste disposal company.

Disposal of packaging

Containers may be re-filled with Grafo-Therm by the manufacturer. DO NOT reuse containers to store any other product. Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

Print date 2015-07-10

GRAFO - THERM

Revision 0

Revision date 2015-07-10

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

Regulations

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information

Other information

Text of risk phrases in Section 3

R22 - Harmful if swallowed.
 R23/24 - Toxic by inhalation and in contact with skin.
 R34 - Causes burns.
 R40 - Limited evidence of a carcinogenic effect.
 R43 - May cause sensitisation by skin contact.
 R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.
 R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Text of Hazard Statements in Section 3

Acute Tox. 4: H302 - Harmful if swallowed.
 Carc. 2: H351 - Suspected of causing cancer .
 STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .
 Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
 Acute Tox. 3: H311 - Toxic in contact with skin.
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
 Skin Sens. 1: H317 - May cause an allergic skin reaction.
 Acute Tox. 3: H331 - Toxic if inhaled.

GRAFO - THERM

Revision 0

Revision date 2015-07-10

Further information

	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.</p>
--	---