P1 Nano-Composite Polish
Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 16/12/2015 Revision date: 22/05/2018 : Version: 1.2

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

1.1. Product identifier

Product form : Mixture

Name : P1 Nano-Composite Polish

Product code : P1

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use,Industrial use

Use of the substance/mixture : Polishing agent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

GTECHNIQ LTD
Unit 2 Langfurlong
Upper Heyford
Northampton
Northamptonshire
NN7 3FA
United Kingdom

Tel: +44 (0)1604 962 553

1.4. Emergency telephone number

Emergency number : +44 (0)1604 962553

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
United Kingdom	National Poisons Information Service (NHS Direct)	http://www.npis.org	111 (England & Wales only) or 112 (EU) or 08454 24 24 24 (Scotland)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315

Serious eye damage/eye irritation, Category 2 H319

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H315 - Causes skin irritation
H319 - Causes serious eye irritation

Precautionary statements (CLP) : P102 - Keep out of reach of children
P264 - Wash hands and other exposed areas thoroughly after handling
P280 - Wear eye protection, face protection, protective clothing, protective gloves
P302+P352 - IF ON SKIN: Wash with plenty of water
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing
P332+P313 - If skin irritation occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse

Child-resistant fastening : Not applicable

Tactile warning : Not applicable

2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Causes skin irritation. Causes serious eye irritation.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
naphtha (petroleum), hydrotreated heavy (contains less than 0,1 % w/w benzene)	(CAS No) 64742-48-9 (EC no) 265-150-3 (EC index no) 649-327-00-6	5 - 80	Asp. Tox. 1, H304
white mineral oil (petroleum)	(CAS No) 8042-47-5 (EC no) 232-455-8	5 - 80	Asp. Tox. 1, H304
Alcohols, C13-15, reaction products with N-[3-(dimethoxymethylsilyl)-2-methylpropyl]- 1,2-ethanediamine, glycidol and hydroxyterminated di-Me siloxanes	(CAS No) 237753-63-8	5 - 80	Skin Irrit. 2, H315 Eye Irrit. 2, H319
aluminium oxide substance with national workplace exposure limit(s) (BE, DK, ES, FR, GB, HU, IT, PT, RO)	(CAS No) 1344-28-1 (EC no) 215-691-6	5 - 80	Not classified

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/injuries after skin contact : Irritation.

Symptoms/injuries after eye contact : Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

naphtha (petroleum), hydrotreated heavy (contains less than 0,1 % w/w benzene) (64742-48-9)		
EU	IOELV TWA (mg/m³)	1000 mg/m³ 8h
Poland	Local name	Benzyna do lakierów
Poland	NDS (mg/m³)	300 mg/m³
Poland	NDSCh (mg/m³)	900 mg/m³
Switzerland	Local name	Naphta* lourd (pétrole), hydro-traité
Switzerland	VME (mg/m³)	300 mg/m³
Switzerland	VME (ppm)	50 ppm
Switzerland	VLE (mg/m³)	600 mg/m³
Switzerland	VLE (ppm)	100 ppm
Switzerland	Remark (CH)	4x15*
white mineral oil (petroleum) (8042-47-5)		
Belgium	Limit value (mg/m³)	5 mg/m³ (Huiles minérales (brouillards); Belgium; Time-weighted average exposure limit 8 h)
Belgium	Short time value (mg/m³)	10 mg/m³ (Huiles minérales (brouillards); Belgium; Short time value)
Netherlands	Grenswaarde TGG 8H (mg/m³)	5 mg/m³ (Olienevel (minerale olie); Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
USA - ACGIH	ACGIH TWA (mg/m³)	5 mg/m³ (Mineral oil, pure, highly and severely refined; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)
aluminium oxide (1344-28-1)		
Belgium	Limit value (mg/m³)	1 mg/m³ (Aluminium (métal et composés insolubles, fraction alvéolaire); Belgium; Time-weighted average exposure limit 8 h)
Croatia	Local name	Aluminijev oksid

aluminium oxide (1344-28-1)		
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	10 mg/m³ inhalable dust 4 mg/m³ respirable dust
Denmark	Local name	Aluminiumoxid, beregnet som Al, total (2005)
Denmark	Grænseværdie (langvarig) (mg/m³)	5 mg/m³
Estonia	Local name	peentolm
Estonia	OEL TWA (mg/m³)	4 mg/m³
France	Local name	Aluminium (trioxyde de di-)
France	VME (mg/m³)	10 mg/m³
Hungary	Local name	DIALUMÍNIUM-TRIOXID (Al-ra számítva)
Hungary	AK-érték	6 mg/m³
Portugal	Local name	Óxido de alumínio
Portugal	OEL TWA (mg/m³)	10 mg/m³
Romania	Local name	Oxid de aluminiu (aerosoli)
Romania	OEL TWA (mg/m³)	2 mg/m³
Romania	OEL TWA (ppm)	0,5 ppm
Romania	OEL STEL (mg/m³)	5 mg/m³
Romania	OEL STEL (ppm)	1,2 ppm
Spain	Local name	Óxido de aluminio (Corindón)
Spain	VLA-ED (mg/m³)	10 mg/m³
United Kingdom	Local name	Aluminium oxides
United Kingdom	WEL TWA (mg/m³)	10 mg/m³ Aluminium oxides inhalable dust; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005); Aluminium oxides respirable dust; 4 mg/m³; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
Iceland	Local name	Áloxíð, sem Al
Iceland	OEL (8 hours ref) (mg/m³)	10 mg/m³
Norway	Local name	Aluminiumoksid
Norway	Grenseverdier (AN) (mg/m³)	10 mg/m³
Switzerland	Local name	Aluminium, fumée d'oxyde
Switzerland	VME (mg/m³)	3 mg/m³
Switzerland	VLE (mg/m³)	24 mg/m³
Switzerland	Remark (CH)	4x15
USA - ACGIH	ACGIH TWA (mg/m³)	1 mg/m³ (Aluminium, insoluble compounds; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide adequate general and local exhaust ventilation.

Personal protective equipment : Protective clothing. Protective goggles. Gloves.

Hand protection : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	milky.
Odour	:	slight.
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	100 °C
Flash point	:	No data available
Auto-ignition temperature	:	> 933 °C
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Solubility	:	Completely miscible.
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

white mineral oil (petroleum) (8042-47-5)	
LD50 oral rat	> 5000 mg/kg bodyweight (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Rabbit; Experimental value; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	> 5 mg/l/4h (Rat; Experimental value)
aluminium oxide (1344-28-1)	
LD50 oral rat	> 10000 mg/kg bodyweight (Rat; Equivalent or similar to OECD 401; Experimental value)

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation	:	Causes serious eye irritation.
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

naphtha (petroleum), hydrotreated heavy (contains less than 0,1 % w/w benzene) (64742-48-9)	
LC50 fish 2	> 100 mg/l (LC50)
EC50 Daphnia 2	> 100 mg/l (EC50)
Threshold limit algae 2	> 100 mg/l (EC50)

white mineral oil (petroleum) (8042-47-5)	
LC50 fish 1	> 100 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oncorhynchus mykiss; Static system; Fresh water; Experimental value)
EC50 Daphnia 1	> 100 mg/l (LC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 1	>= 100 mg/l (NOEL; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Weight of evidence)

aluminium oxide (1344-28-1)	
LC50 fish 1	> 50 mg/l (NOEC; 96 h; Lepomis cyanellus; Static system; Fresh water)
EC50 Daphnia 1	1,4 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
EC50 Daphnia 2	0,34 - 1,02 mg/l (NOEC; US EPA; 6 days; Ceriodaphnia dubia; Semi-static system; Fresh water; Read-across)
Threshold limit algae 1	>= 0,052 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
Threshold limit algae 2	> 45,7 mg/l (NOEC; Other; 96 h; Lemna minor; Static system; Fresh water; Read-across)

12.2. Persistence and degradability

naphtha (petroleum), hydrotreated heavy (contains less than 0,1 % w/w benzene) (64742-48-9)	
Persistence and degradability	Readily biodegradable in water. Biodegradability in soil: no data available. Adsorbs into the soil. Low potential for Mobility in soil. Photooxidation in the air.

white mineral oil (petroleum) (8042-47-5)	
Persistence and degradability	Not readily biodegradable in water. Adsorbs into the soil.

aluminium oxide (1344-28-1)	
Persistence and degradability	Biodegradability: Not applicable. Not established.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

naphtha (petroleum), hydrotreated heavy (contains less than 0,1 % w/w benzene) (64742-48-9)	
Bioaccumulative potential	bioaccumulable.

white mineral oil (petroleum) (8042-47-5)	
Log Pow	> 6 (Calculated)
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).

aluminium oxide (1344-28-1)	
Bioaccumulative potential	Bioaccumulation: No data available. Not established.

12.4. Mobility in soil

naphtha (petroleum), hydrotreated heavy (contains less than 0,1 % w/w benzene) (64742-48-9)	
Surface tension	0,026 N/m (20 °C)

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Waste disposal recommendations : Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not dangerous goods in terms of transport regulations

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	P1 Nano-Composite Polish - naphtha (petroleum), hydrotreated heavy (contains less than 0,1 % w/w benzene) - white mineral oil (petroleum) - Alcohols, C13-15, reaction products with N-[3-(dimethoxymethylsilyl)-2-methylpropyl]- 1,2-ethanediamine, glycidol and hydroxyterminated di-Me siloxanes
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	P1 Nano-Composite Polish - naphtha (petroleum), hydrotreated heavy (contains less than 0,1 % w/w benzene) - white mineral oil (petroleum) - Alcohols, C13-15, reaction products with N-[3-(dimethoxymethylsilyl)-2-methylpropyl]- 1,2-ethanediamine, glycidol and hydroxyterminated di-Me siloxanes
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	P1 Nano-Composite Polish - naphtha (petroleum), hydrotreated heavy (contains less than 0,1 % w/w benzene)

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference	:	Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)
WGK remark	:	Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	:	Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen	:	naphtha (petroleum), hydrotreated heavy (contains less than 0,1 % w/w benzene),white mineral oil (petroleum) are listed
SZW-lijst van mutagene stoffen	:	naphtha (petroleum), hydrotreated heavy (contains less than 0,1 % w/w benzene),white mineral oil (petroleum) are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	:	None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation

SDS EU_NSC

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.