

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

1.1. Product identifier

Product form : Mixture
Product name : PROMAFOUR®-HT JOINTFILLER
Type of product : Joint filler

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

1.2.1. Relevant identified uses

Main use category : Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Promat International N.V.
Bormstraat 16
2830 Tisselt - BELGIUM
T +32 15 71 81 00 - F +32 15 71 81 09
info@promat-international.com - [website: www.promat-international.com](http://www.promat-international.com)

Other

Promat GmbH
Scheifenkamp 16
40878 Ratingen - Germany
T +49-2102 493 0 - F +49-2102 493 111
mail@promat.de - www.promat.de

Other

Promat d.o.o.
Trata 50
4220 Skofja Loka - Slovenia
T +386 4 51 51 451 - F +386 4 51 51 450
info@promat-see.com - www.promat-see.com

Other

Promat s.r.o.
Ckalova 22/784
16000 Praha 6 - Bubeneč - Czechia
T +420 224 390 811 - F +420 233 333 576
promat@promatpraha.cz - www.promatpraha.cz

Other

Promat Ibérica S.A.
C/ Velazquez, 47 – 6° Izquierda
28001 Madrid - Spain
T +34 91 781 1550 - F +34 91 575 15 97
info@promat.es - www.promat.es

Other

Promat S.p.A.
Via Perlasca 14
27010 Vellezzo Bellini (PV) - Italy
T +39 0382 4575 200 - F +39 0382 926 900
info@promat.it - www.promat.it

Other

A + B (Promat Russia)
ul. Vernadskogo 84/2
119/606 Moscow - Russia
T +7 (495) 246-0101 - F +7 (495) 246-0192
sales@promat.ru - www.promat.ru

Other

Promat GmbH
St.-Peter-Straße 25
4021 Linz - Austria
T +43 732-6912-0 - F +43 732-6912-3740
office@promat.at - www.promat.at

Other

Promat UK Ltd.
The Sterling Centre
RG12 2TD Bracknell - United Kingdom
T +44 1344 381 300 - F +44 1344 381 301
marketinguk@promat.co.uk - www.promat.co.uk

Other

Promat S.A.S.
Rue de l'Amandier
78540 Vernouillet - France
T +33 1 39 79 61 60 - F +33 1 39 71 16 60
info@promat.fr - www.promat.fr

Other

Promat TOP Sp. z.o.o.
ul. Przechlowska 8
03-879 Warszawa - Poland
T +48-22 212 2280 - F +48-22 212 2290
top@promatop.pl - www.promatop.pl

Other

Promat AG
Stationsstrasse 1
8545 Rickenbach Sulz - Switzerland
T +41 52 320 9400 - F +41 52 320 9402
office@promat.ch - www.promat.ch

Other

Promat B.V.
Vleugelboot 22
3991 CL Houten - Nederland
T +31 30 241 0770 - F +31 30 241 0771
info@promat.nl - www.promat.nl

Other

Promat Nordic, by Ivarsson a/s
Kometvej 36
6230 Rodekro - Denmark
T +45 7366 1999 - F +45 7466 1020
info@promat.nu - www.promat.nu

1.4. Emergency telephone number

Emergency number : +32 15 71 81 00
During office hours:
Monday-Friday: 8.00 a.m. - 5.00 p.m. (MEZ) .
Language
English
French

PROMAFOUR®-HT JOINTFILLER

Safety Data Sheet

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

Dutch

Country	Organisation/Company	Address	Emergency number	Comment
Iceland	Eitrunarmiðstöð Landspítali	Fossvogi 108 Reykjavik	+354 543 22 22	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital, Guy's & St Thomas' Hospital Trust	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)	
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Wolfson Unit	Penarth CF64 2XX Cardiff	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)	
United Kingdom	NPIS Edinburgh (Scottish Poisons Information Bureau) Royal Infirmary of Edinburgh, Centre Hospitalier Universitaire Bab el Oued	51 Little France Crescent EH16 4SA Edinburgh	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Centre Hospitalier Universitaire de Constantine	Avonley Road SE14 5ER London	0870 243 2241	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Specific target organ toxicity — Repeated exposure, Category 1 H372

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

The product is a mixture, in which the ingredients are bound to the binder and in this form do not present a hazard. After being applied (when product is dry) dust could be generated, depending on the application (i.e. mechanical machining).

This product contains calcined clay that contains respirable crystalline silica as impurity. Calcined clay is classified as STOT RE1 due to the potential for generation of airborne respirable crystalline silica.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS08

Signal word (CLP) :

Danger

Hazardous ingredients :

Clay, calcined

Hazard statements (CLP) :

H372 - Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation)

Precautionary statements (CLP) :

P260 - Do not breathe dust

P264 - Wash hands, forearms and face thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P284 - [In case of inadequate ventilation] wear respiratory protection

P314 - Get medical advice/attention if you feel unwell

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

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This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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]
Silicic acid, sodium salt	(CAS No) 1344-09-8 (EC no) 215-687-4 (REACH-no) 01-2119448725-31	< 30	Not classified
Clay, calcined	(CAS No) 92704-41-1 (EC no) 296-473-8	< 30	STOT RE 1, H372

Comments : Specific concentration limits exist for silicic acid, sodium salt based on the molar ratio (MR) of SiO₂ versus Na₂O

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 to fresh air. Rinse throat with water and blow nose to evacuate dust. Seek medical attention if irritation or symptoms persist.

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

First-aid measures after eye contact : Rinse immediately with plenty of water. Do not rub the eye. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth thoroughly, drink plenty of water. Get medical advice/attention.

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

Symptoms/injuries after inhalation : An inhalation hazard is not anticipated unless dust is generated. The handling and machining of this product may lead to the release of quartz containing dust. The inhalation of dust containing quartz, in particular the fine (respirable) dust fraction, in high concentrations or over a prolonged period of time may lead to lung disease (silicosis) and an increased risk of lung cancer.

Symptoms/injuries after skin contact : May produce skin irritation.

Symptoms/injuries after eye contact : May cause eye irritation.

Symptoms/injuries after ingestion : May cause irritation to the digestive tract.

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 : Not combustible. Packaging may burn. Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Clean up immediately all accidental spillage. Avoid contact with skin and eyes. Avoid dust formation.

6.1.1. For non-emergency personnel

Measures in case of dust release : Use recommended respiratory protection.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not allow material to contaminate ground water system.

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6.3. Methods and material for containment and cleaning up

- For containment : Use closed containers to avoid dust release.
Methods for cleaning up : Shovel up small pieces. Dampen down any dust before putting into appropriate skips. Dispose in a safe manner in accordance with local/national regulations.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not breathe dust. Work in a well ventilated area. Use always respiratory protective equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits or Workplace Exposure Limits in UK (refer to local regulations).
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Protect against frost. Keep in original containers closed.
Packaging materials : Do not store in aluminium, galvanized or other corrodable containers.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

PROMAFOUR®-HT JOINTFILLER		
Ireland	Local name	Quartz, respirable dust, (see Silica, crystalline)
Ireland	OEL (8 hours ref) (mg/m ³)	0,1 mg/m ³
Clay, calcined (92704-41-1)		
Ireland	Local name	Kaolin, respirable dust
Ireland	OEL (8 hours ref) (mg/m ³)	2 mg/m ³
United Kingdom	Local name	Kaolin
United Kingdom	WEL TWA (mg/m ³)	2 mg/m ³ respirable dust
Iceland	Local name	Kaolín, örfint ryk
Iceland	OEL (8 hours ref) (mg/m ³)	2 mg/m ³

Occupational Exposure Limits / Workplace Exposure Limits for particles not otherwise classified or regulated (nuisance dust) : - in UK: Inhalable: 10 mg/m³. Respirable: 4 mg/m³
- in Ireland: Inhalable: 10 mg/m³. Respirable: 4 mg/m³

Additional information : Ensure all national/local regulations are observed.

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Provide appropriate exhaust ventilation at places of dust forming. Ensure exposure is below occupational exposure limits (where available).

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Protective gloves

Eye protection:

Safety glasses with side shields

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Avoid breathing dusts. Use appropriate respiratory equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits or Workplace Exposure Limits for the UK (e.g. for exposures up to 10 times the OEL (WEL) use at least a P2 type duct mask. For higher exposure, use a P3 type mask)

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Environmental exposure controls:

Avoid release to the environment. Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Paste.
Colour	: Beige.
Odour	: odourless.
Odour threshold	: No data available
pH	: Alkaline mixture
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: > 1300 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈ 1900 kg/m ³
Solubility	: insoluble in water.
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

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

When arc welding vessels containing aqueous solutions of this material, take care to control any explosion risk from hydrogen evolved by electrolysis. Aqueous solutions will react with aluminium, zinc, tin and their alloys evolving hydrogen gas which can form an explosive mixture with air. Can react violently if in contact with acids. Can react with sugar residues to form carbon monoxide.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Acids. Metals.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Silicic acid, sodium salt (1344-09-8)

LD50 oral rat	3400 mg/kg (MR : 2.0)
LD50 oral	5150 mg/kg (MR: 3.3)

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Silicic acid, sodium salt (1344-09-8)	
LC50 inhalation rat (Vapours - mg/l/4h)	> 2,06 mg/l/4h
Skin corrosion/irritation	: Not classified pH: Alkaline mixture
Serious eye damage/irritation	: Not classified pH: Alkaline mixture
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)	: Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation).
Additional information	: The inhalation of dust containing crystalline silica, in particular the fine (respirable) dust fraction, in high concentrations or over a prolonged period of time may lead to lung disease (silicosis) and an increased risk of lung cancer
Aspiration hazard	: Not classified
Other information	: According to the International Agency for Research on Cancer (IARC Monograph Volume 100C - 2012) "Crystalline silica inhaled in the form of quartz or cristobalite is carcinogenic to humans(Group 1)."

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Do not allow into drains or water courses.

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Additional information Soluble silicates, upon dilution, rapidly depolymerised into molecular species indistinguishable from natural dissolved silica. The alkalinity of this material may have a local effect on ecosystems sensitive to changes in pH.

Silicic acid, sodium salt (1344-09-8)

LC50 fish 1	1108 mg/l (MR: 3.5)
LC50 fish 2	281 mg/l (MR: 3.0)
EC50 Daphnia 1	1700 mg/l (MR:3.2)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

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Bioaccumulative potential : Not expected to bioaccumulate.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component

Silicic acid, sodium salt (1344-09-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
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12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
European List of Waste (LoW) code : 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09

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SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 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(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

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Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H372	Causes damage to organs through prolonged or repeated exposure

Safety Data Sheet applicable for regions : CY;GB;GI;IE;IS;MT

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SDS EU (REACH Annex II)

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