

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

1.1. Product identifier

Trade name : PROMAFOUR®-GLUE 1000
Identification of the product : Silcate based glue.
Type of product : Mixture.

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

Use : Silicate based adhesive which resists to temperature up to 1000°C

1.3. Details of the supplier of the safety data sheet

Company identification : Promat UK Ltd
The Sterling Centre
Eastern Road - Berkshire
RG12 2TD Bracknell UNITED KINGDOM
Tel.: +44 (0) 1344 381400
Fax: +44 (0) 1344 381401
e-mail: technicaluk@promat.co.uk

1.4. Emergency telephone number

Emergency phone nr : +44 (0) 1344 381 400

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Skin irritation (Xi, R 38).

Serious eye damage (Xi, R 41).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site. This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

Classification EC 1272/2008

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Serious eye damage, Category 1 (Eye Dam. 1, H318).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site. This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Labelling EC 1272/2008

PROMAFOUR®-GLUE 1000

Date: 17/09/2014
Supersedes: NA**Hazard pictograms:****Hazard pictogram code:**

GHS05

Signal Word:

DANGER

Product identifiers :

CAS 1344-09-8 Sodium Silicate

Hazard statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements:

- **General:** P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
- **Prevention:** P264 Wash ... thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
- **Response:** P302 + P352 IF ON SKIN: Wash with plenty of soap and 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.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see ... on this label).
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by ECHA under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annex XIII of the REACH regulations EC 1907/2006.

SECTION 3 Composition/information on ingredients**Components**

: The product is a mixture.

No substances fulfil the criteria set forth in annex II section A of the REACH regulation (EC) n° 1907/2006.

Substance Name	Content	CAS No	EC No	Classification (EC) 1272/2008	Classification EC 67/548/EEC
Sodium silicate	10 - 25 %	1344-09-8		GHS05, Danger Skin Irrit. 2, H315 Eye Dam., H318	Xi R38-R41
Titanium dioxide *	< 2,5 %	13463-67-7	236-675-5	-----	-----

*Substance for which maximum workplace exposure limits are available.

PROMAFOUR®-GLUE 1000

Date: 17/09/2014

Supersedes: NA

SECTION 4 First aid measures**4.1. Description of first aid measures****First aid measures**

- **General** : As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.
- **Inhalation** : Remove victim to fresh air. Call a doctor if irritation persists.
- **Skin contact** : Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognized cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.
- **Eye contact** : Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.
- **Ingestion** : Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label.

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

No data available.

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

No data available.

SECTION 5 Fire-fighting measures**5.1. Extinguishing media**

Suitable extinguishing media : Product is non-flammable.

5.2. Specific hazards

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.

5.3. Advice for fire-fighters

No specific data available.

5.4. Additional information

No specific additional information.

SECTION 6 Accidental release measures

PROMAFOUR®-GLUE 1000

Date: 17/09/2014

Supersedes: NA

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Consult the safety measures listed under headings 7 and 8.
For non fire-fighters: Avoid any contact with the skin and eyes.
For fire-fighters: Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Environmental precautions : Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean up methods : Neutralize with an acidic decontaminant.
Clean preferably with a detergent, do not use solvents.

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

Personal protection : See also section 8. Observe precautions stated on label and also industrial safety regulations.
Avoid eye contact with this mixture at all times. Do not smoke, eat or drink in areas where the mixture is used. Always wash hands after handling. Remove and wash contaminated clothing before re-using.

Technical protective measures : Prevent access by unauthorized personnel. Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep out of reach of children.
Packaging : Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available

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

For CAS 13463-67-7 :

UK: Workplace Exposure LimitsEH40/2005, 2007 : 10 mg/m³France : INRS -ED984 :2008 : 10 mg/m³ACGIH TLV (2010) : 10 mg/m³

PROMAFOUR®-GLUE 1000

Date: 17/09/2014

Supersedes: NA

Control parameters for airborne contaminants : Particles not otherwise classified or regulated (nuisance dust)
 - Inhalable: 10 mg/m³
 - Respirable: 4 mg/m³

8.2. Occupational control parameters**8.2.1 General protection controls**

- **Industrial hygiene** : Ensure vacuum dust exhaust with correct filter when using motorized machining tools.

8.2.2. Individual protection

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Ingestion** : Do not eat, drink or smoke when handling or applying the product.
- **Eye and face protection** : Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles with protective sides in accordance with standard EN166. In the event of high danger, protect the face with a face shield. Prescription glasses are not considered as protection. Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours. Provide eyewash stations in facilities where the product is handled constantly.
- **Skin protection, hands** : Wear suitable protective gloves in the event of prolonged or repeated skin contact. Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
 Type of gloves recommended: Natural latex, -PVC (polyvinyl chloride)
 Recommended properties: Impervious gloves in accordance with standard EN374.
- **Skin protection, body** : Avoid skin contact. Wear suitable protective clothing.
 Suitable type of protective clothing :
 In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
 In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
 Work clothing worn by personnel shall be laundered regularly. After contact with the

PROMAFOUR®-GLUE 1000

Date: 17/09/2014

Supersedes: NA

product, all parts of the body that have been soiled must be washed.

SECTION 9 Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	: viscous liquid.
Density	: > 1
pH	: Not stated, strongly basic
Solubility in water	: dilutable
Melting point	: Not relevant
Boiling point	: Not relevant
Flash point interval	: Not relevant
Auto ignition temperature	: Not relevant
Vapour pressure (50°C)	: not relevant.
Decomposition point	: not relevant.

9.2. Other information

No data available.

SECTION 10 Stability and reactivity**10.1. Reactivity**

Stability and reactivity : No data available

10.2. Chemical stability

Stability : Stable under the recommended conditions of storage and handling.

10.3. Possibility of hazardous reactions

Hazardous reactions : No data available
Hazardous properties : No data available

10.4. Conditions to avoid

Conditions to avoid : No data available

10.5. Incompatible materials

Materials to avoid : No data available

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

PROMAFOUR®-GLUE 1000

Date: 17/09/2014

Supersedes: NA

Toxicity information : May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours. May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days. Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

SECTION 12 Ecological information**12.1. Ecological effects information**

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

No data available.

12.3. Bio accumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.5. Other adverse effects

No data available.

SECTION 13 Disposal considerations

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste : Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging : Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

SECTION 14 Transport information

PROMAFOUR®-GLUE 1000

Date: 17/09/2014

Supersedes: NA

General information : Exempt from transport classification and labelling. Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2011 IMDG 2010 -ICAO/IATA 2012).

SECTION 15 Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

-Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- Regulation EC 1272/2008 modified by regulation EC 286/2011

-Container information : No data available.

-Particular provisions : No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16 Other information

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.



Hazard symbol:

Irritant

Contains: CAS 1344-09-8 SILICTE DE SODIUM

Risk phrase : R 38 Irritating to skin.
R 41 Risk of serious damage to eyes.

Safety phrase : S 1/2 Keep locked up and out of the reach of children.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/39 Wear suitable protective clothing and eye/face protection.

PROMAFOUR®-GLUE 1000

Date: 17/09/2014

Supersedes: NA

- S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S 46 If swallowed, seek medical advice immediately and show this container or label.
- S 25 Avoid contact with eyes.
- S 28 After contact with skin, wash immediately with plenty of water.
- S 37 Wear suitable gloves.
- S 64 If swallowed, rinse mouth with water (only if the person is conscious).
- S 20 When using do not eat or drink.

Title for H, EUH and R indications mentioned in section 3 :

- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- R 38 Irritating to skin.
- R 41 Risk of serious damage to eyes.

Abbreviations :

- ADR : European agreement concerning the international carriage of dangerous goods by Road.
- IMDG : International Maritime Dangerous Goods.
- IATA : International Air Transport Association.
- ICAO : International Civil Aviation Organisation
- RID : Regulations concerning the International carriage of Dangerous goods by rail.
- WGK : Wassergefahrdungsklasse (Water Hazard Class).
- GHS05 : Corrosion

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