SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by the EU Regulation No 2015/830

Version: 1.3
Review date: 06/06/2018
Emission Date: 26/02/2018

‘

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Identification of the substance/mixture:
Commercial name: *Qualitá PU 40*
Polyurethane sealant (without free isocyanate and solvents)

1.2 Application of the substance/mixture:

1.2.1 **Recommended use:** Bonding and sealing in various stages of civil and mechanical construction. Uniting several substrates such as: steel, aluminum, glass, galvanized steel, fiberglass, plastic, zinc, ceramic materials.

1.2.2 **Non-recommended use:** Do not use the Qualitá PU 40 in water tank joints that contain unnatural chlorine (example: swimming pools).

1.3 Identification of the company:
Qualita Industria de Produtos para Vedação Ltda.
CNPJ: 08.939.862/0001-96
Av. Justino de Maio, 920 Cumbica – Garulhos
São Paulo/SP - CEP: 07222-000 - Brazil
P.: +55 11 2482-5000
Email: laboratorio@qualitadobrasil.com.br

1.4 Emergency Phone number:

P.: +55 11 2482-5000

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance/mixture:

Classification according to regulation (CE) nº 1272/2008

Corrosive/Irritant skin, Category 2 – Irritant; H315

2.2 Label elements:

GHS pictograms

Signal word attention

Component	Nº CAS	Peso (%)
Calcium Carbonate	1317-65-3	40 - 55

Hazard warning	H315: Causes skin irritation
Precautionary statement Warning	P264: Wash carefully after handling P280: Wear protection gloves/protective clothing/eye protection/face protection.
Precautionary statement answer	P302 + P352: If on skin contact: Wash with plenty of water P332 + P313: If skin irritation occurs: get medical advice/attention. P362 + P364: Remove contaminated clothing and wash before reuse.

2.3 Others hazards:

Not know.

3. COMPOSITION/ INFORMATION ON COMPONENT

Name	Nº CAS	Weigth (%)
Prepolymer urethane silanized	216597-12-5	< 25
Di-2(propyl Heptil) phathalate	53306-54-0	10 - 20
Calcium Carbonate	1317-65-3	40 – 55
Titanium dioxide	13463-67-7	< 5
Water Scavenger	2768-02-7	< 5
3-(trimethoxysilyl)propylamine	13822-56-5	< 1

4. FIRST AID

4.1 Description of the first aid measures

In case of eye contact:	Wash with plenty of water and keep the eyelids open for 15 minutes. Consult an ophthalmologist
In contact with skin:	Remove contaminated clothing immediately. Wash affected area with plenty of soap and water. Apply a moisturizer.
After swallowing:	Do not induce vomiting. If vomiting occurs spontaneously, put the person aside to avoid suffocation. Drink a lot of water. Consult a doctor.
In case of inhalation of vapors or aerosols in large concentrations:	Move the operator to a well-ventilated area. Apply artificial respiration if necessary. In case of difficulty breathing consult a doctor.

4.2 Main symptoms and effects, both acute and delayed

See section 11.1 Information on toxicological effects

4.3 Indications about urgent medical care and special treatment

Not applicable

5. FIRE FIGHTING MEASURES

5.1 Fire extinguishing means

Suitable extinguishing agents

Foam, CO2, Chemical Powder.

In case of large fire apply cloud of water.

Unsuitable extinguishing agents:

Water jet

5.2 Special hazards arising from the substance or mixture:

Possible release of carbon monoxide and nitrous oxides.

5.3 Advice for firefighters:

Use of appropriate protective equipment, including thermal protective clothing and respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use appropriate personal protective equipment (PPE) (see section 8). Ensure adequate ventilation of the space, especially in confined areas. Avoid contact with eyes, skin and inhalation. In case of material spillage, identify the place with risk of falling.

6.2 Environmental precautions

Restricted area to prevent drainage into the water system, sewage system or soil. If it is spilled into water courses, into the sanitation network or into the soil, the competent authorities should be informed.

6.3 Methods and material for containment and cleaning up

Cover with a wet absorbent material (e.g. sand, sawdust or a chemical binder based on calcium silicate hydrate). After one hour, remove the residue to a container, without closing it, keep it moist, in a safe place for 7 to 14 days. Discard as directed in section 13.

6.4. Reference to other sections

For more information see sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling.

- Keep out of the reach of children.
- Use only after reading all safety instructions.
- Use personal protective equipment (indicated in section 8) for handling the product.
- Mix only in accordance with the instructions supplied by the manufacturer.
- Do not eat, drink or smoke in areas where the product is handled.
- Use in well-ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

- Keep containers tightly closed in a dry, cool and well-ventilated place.
- Avoid heating to> 50 ° C and cooling to <5 ° C.
- Keep the products in the original packaging, tightly closed.

7.3. Specific end use (s)

No data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Components disclosed in section 3 which are not shown in the table below do not have an occupational exposure limit value available.

Designation	Nº CAS	NIOSH REL	OSHA PEL	NP 1796:2014
Calcium carbonate	1317-65-3	TWA 10 mg/m3 (total) TWA 5 mg/m3 (resp)	TWA 15 mg/m3 (total) TWA 5 mg/m3 (resp)	--
Titanium dioxide	13463-67-7	--	TWA 15 mg/m3	10 mg/m3

8.2 Exposure Control

8.2.1 Suitable technical controls/

- Comply with good industrial hygiene practices for the handling of chemicals.
- Do not inhale gases, vapors or aerosols.
- Use with adequate ventilation.
- Avoid contact with eyes and skin.
- Preventive skin protection is recommended.
- Remove contaminated and soaked clothing immediately.
- Clean work areas regularly.
- Do not eat, drink or smoke while handling.
- Keep away from food, drink and animal feed.

8.2.2 Individual protection measures, such as personal protective equipment

Facial and eye protection: Wear safety goggles.

Skin and body protection: Wear suitable protective clothing. Store the laundry separately. Wash hands before breaks and at the end of work.

Hand protection: Wear nitrile or PVC gloves.

Breath protection: Wear a mask in places where there is insufficient exhaustion. In case of jet application use fresh air mask or only by a short-combined filter A2-P2.

8.2.3 Environmental exposure controls

Prevent material from entering surface water, storm drains or sewers and ground.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:	pasty
Color:	Various
Formula:	AT.
Solidification point:	Air curing
Boiling point:	> 110 ° C
Density:	~1,52 g / cm³
Steam pressure:	<0.00001 mbar at 20 ° C
Viscosity:	90-110 sec
Solubility in water:	Slightly soluble
pH:	AT.
Flash Point:	> 80 ° C
Auto Ignition Point:	> 200 ° C
Explosion limits:	Unverified

9.2. Other informations

No data avaliable

10. STABILITY AND REACTIVITY

10.1. Reactivity

If stored and handled correctly, no dangerous reactions are known.

10.2. Chemical Stability

If stored and handled correctly, no dangerous reactions known

10.3. Possibility of hazardous reactions

At 400 ° C, occurrence of polymerization.

10.4. Conditions to avoid

Heat, flames and other sources of ignition.

10.5. Incompatible Materials

No data available.

10.6. Hazardous decomposition products

At 400 ° C, polymerization occurs, with liberation of CO2, silicon oxide, nitrous oxides and tin oxide.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Oral LD50: >25000 mg/kg

LD50 inhalation: rat: 1200 mg aerosol/m³ 4h exposure

Polyol saturated vapor concentration: 2.45 mg/m³

Effect on eyes: weak and reversible cause of corneal haze

Effect on the skin: in some cases, mild irritation

Effect on the respiratory tract: (in cases of aerosol / vapor concentrations greater than twice the MAK value): irritation of the mucous membranes of the nose, pharynx and lungs, dry pharynx, chest pressure, sometimes with breathing difficulties and headaches.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

No harmful effects expected from aquatic organisms. According to current knowledge, no adverse effects are expected on water purification plants.

12.2. Persistence and degradability

Product slightly soluble in water, requires care to avoid draining to water beds.
Deposition treatment and chemical flocculation agents for waste treatment.

12.3. Potential to bioaccumulate

No adverse effects expected

12.4. Mobility in soil

Slightly soluble in water.

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other side effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product remains: Must be disposed of in accordance with applicable local regulations Depending on the legislation, treatment methods may establish, for example, landfill or incineration.

Used Packaging: Empty packaging's may only be reused after they have been thoroughly cleaned and in accordance with local regulations.

14. TRANSPORT INFORMATION

National and international regulations:

UN number: Not classified as dangerous for transport.

IMO / IMDG: Not classified as dangerous for transport.

ICAO / IATA-DGR: Not restricted

ADR / RID: Not restricted

15. REGULATORY INFORMATION

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

Legislation and national regulations must be complied with.

For labeling information, see section 2 of this document.

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this product in accordance with EC Regulation No. 1907/2006.

16. OTHER INFORMATION

Training recommendation

Adequate information, instructions and training shall be provided to workers.

Bibliographic references

Handbook of Toxic and Hazardous Chemicals and carcinogens – M. Sting – 2.º Edition

Tomes Micromedex, Inc.