

Code: RC-VE-22
Date of revision: Mar-01-2023
Version: 03

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 In compliance with: NOM-018-STPS-2015

FORTA 802

1. IDENTIFICATION OF THE CHEMICAL AND SUPPLIER

Trade name: Forta 802
Product type: Structural acrylic adhesive
Company: FORDEPRO SA de CV.
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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture: Skin and respiratory sensitizer -- Category 1

- H225** Highly flammable liquid and vapour.
- H315** Causes skin irritation.
- H317** May cause an allergic skin reaction.
- H319** Causes serious eye irritation.
- H335** May cause respiratory irritation.
- H411** Toxic to aquatic life with long lasting effects.

2.2 Label elements:

Pictogram:	
Signal word:	Danger
Hazard statements:	<p>H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H411 Toxic to aquatic life with long lasting effects.</p>
Prevention Precautionary Statements:	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P370+P378 In case of fire: Use Carbon dioxide (CO2). Dry extinguishing powder. alcohol resistant foam. Water spray jet to extinguish. P391 Collect spillage. P403+P235 Store in a well-ventilated place. Keep cool.</p>

3. COMPOSITION/ INFORMATION ON INGREDIENTS**Chemical Nature:** Methyl methacrylate resin

Chemical or generic name	Concentration range (%)	CAS n°	EINECS/
* Methyl metacrylate	60 -- 90	80-62-6	201-297-1
Methacrylic acid	1 -- <3	80-159	201-204-4
2,6-di-tert-butyl-p-cresol	1 -- <10	128-37-0	204-881-4

* Exposure limit: 50 ppm TWA

4. FIRST AID MEASURES**4.1. Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Take off immediately all contaminated clothing. First aider: Pay attention to self-protection.

After inhalation

Remove person to fresh air and keep comfortable for breathing. In case of irregular breathing or respiratory arrest provide artificial respiration.

In case of respiratory tract irritation, consult a physician.

In the case of lung irritation: Primary treatment using corticoide spray.

After contact with skin

Take off immediately all contaminated clothing. Wash with plenty of water. In case of skin irritation, seek medical treatment.

After contact with eyes

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.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting.
Never give anything by mouth to an unconscious person or a person with cramps. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available

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

Treat symptomatically

5. FIREFIGHTING MEASURES**Flash point:** > 14 ° C (TCC)**Autoignition:** Undetermined**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam.
In case of major fire and large quantities: Atomized water.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Gas/vapours, irritant. Carbon monoxide Carbon dioxide (CO₂).

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray jet to protect personnel and to cool endangered containers.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Remove persons to safety. Remove all sources of ignition. Provide adequate ventilation.

Do not breathe gas/vapour/aerosol. Avoid contact with skin, eyes and clothes.

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Ventilate affected area.

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE**7.1. Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation as well as local exhaust at critical locations.

Do not breathe gas/vapour/aerosol. Avoid contact with skin, eyes and clothes.

Wear suitable protective clothing.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.

Flammable vapours can accumulate in head space of closed systems. In use, may form flammable/explosive vapour-air mixture. Heating causes rise in pressure with risk of bursting.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place. Protect against direct sunlight.

Ensure adequate ventilation of the storage area.

Make sure spills can be contained (e.g. sump pallets or kerbed areas).

Advice on storage compatibility

Do not store together with: Gas. Explosives. Flammable solids. Pyrophoric liquids and solids. Self-heating substances and mixtures. Substances and mixtures which, in contact with water, emit flammable gases. Oxidizing liquids. Oxidizing solids ammonium nitrate. Self-reactive substances and mixtures. Organic peroxides. Noncombustible toxic substances.

Radioactive substances. Infectious substances.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

Do not store at temperatures over: 60°C

Do not keep the container sealed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection equipment**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

Insufficient ventilation.

exceeding exposure limit values

generation/formation of aerosols

Generation/formation of mist

Suitable respiratory protective equipment:

Combination filtering device.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection

Suitable material: Butyl rubber.

Thickness of glove material: 0,5 mm

Breakthrough time \geq 480 min. penetration time (maximum wearing period): ~ 120 min. (estimated)

In the case of wanting to use the gloves again, clean them before taking off and air them well. Before using check leak tightness / impermeability.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye/face protection

Recommended eye protection brand: Tightly sealed safety glasses.

Skin protection

Wear fire/flame resistant/retardant clothing.

Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour:	Beige
Density (g/ml):	1.1
Viscosity at 25°C (cPs):	23 000
Physical state:	Viscous liquid
Odour:	Characteristic
Boiling point (° C):	> 14
Flash point (TCC), (°C):	10
Pure or mixed substance:	Mixed
Water solubility:	Miscible

10. STABILITY AND REACTIVITY

10.1. Reactivity

Stabilization required by: stabiliser and Oxygen.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

Can polymerise exothermically in the absence of stabilisers, particularly in acid conditions or if shelf life exceeded.

Stabilization required by: Oxygen.

10.3. Possibility of hazardous reactions

Hazardous polymerisation: Protect against direct sunlight.

Can polymerise exothermically in the absence of stabilisers, particularly in acid conditions or if shelf life exceeded.

10.4. Conditions to avoid

Protect against: Light. UV-radiation/sunlight. heat. Cold moisture.



SAFETY DATA SHEET

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In use may form flammable/explosive vapour-air mixture.
Heating causes rise in pressure with risk of bursting.

10.5. Incompatible materials

Materials to avoid: Strong acid. Oxidizing agents, strong. Alkalis (alkalis), concentrated.

10.6. Hazardous decomposition products

Can be released in case of fire: Gas/vapours, irritant. Carbon monoxide Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Inhalation: May cause respiratory irritation.

Skin: Corrosive. Repeated exposure may cause dermatitis. May cause an allergic skin reaction

Eyes: Corrosive. Cause serious eye irritation.

Ingestion: Corrosive for mouth, esophagus and stomach.

DANGEROUS COMPONENTS	%	Símbolo	R	CAS N.	EINECS N.
Methyl metacrylate	>90	F, Xi	11-37 / 38-43	80-62-6	201-297-1

12. ECOLOGICAL INFORMATION

Environmental impacts and effects: Acute toxicity and toxicity on crustacea, fish and algae.

Do not allow to enter into surface water or drains.

Easily biodegradable.

13. DISPOSAL CONSIDERATIONS

Incineration is recommended, but dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

Contaminated packaging:

Handle contaminated packages in the same way as the substance itself.

14. TRANSPORT INFORMATION

Land transport (ADR/RID), marine transport (IMDG), inland waterways transport (ADN)

UN Number: UN1133
UN proper shipping name: Adhesive
Transport hazard class(es): 3
Packing group: II

Air transport (IATA/ICAO)

UN Number: UN1133
UN proper shipping name: Adhesive
Transport hazard class(es): 3
Packing group: II

Exceptions: May be classified as a consumer good (500 mL maximum).

15. REGULATORY INFORMATION**Hazard statements**

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Precautionary statements

- P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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16. OTHER INFORMATION**Abbreviations and acronyms:**

- NFPA:** National Fire Protection Assn – Asociación Nacional de Protección de Incendio.
ONU: Organización de las Naciones Unidas
IMDG: Comercio Marítimo de Mercancías Peligrosas.
CAS: Chemical Abstract Service Registry Numbers
CC: Closed Cup - Vaso Cerrado
ICAO: International Civil Aviation Organization
IMO: International Maritime Organization
ADR: Accord européen sur le transport des marchandises dangereuses par Route
IATA: International Air Transport Association
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

IMPORTANT: The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge is accurate but not exhaustive, and must be used as an orientation, which is based on the actual knowledge of the chemical substance or mixture.

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