

SECTION 1: Identification of the substance or mixture and of the company or enterprise.

1.1. Product identifier

ADINOX[®] M480

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

Intended use: Structural adhesive

1.3. Details of the supplier of the safety data sheet

Distributor/Manufacturer:

Adhesivos y Suministros de México, S.A de C.V.

Av. Circunvalación Agustín Yáñez 1928

Colonia. Moderna, Guadalajara, Jalisco, México.

Email: info@adinoxadhesives.com

Website: www.adinoxadhesives.com

1.4. Emergency telephone

México: +52 (800) 009 28 00

SECTION 2: Hazard identification.

2.1. Classification of the substance or mixture

Severe eye irritation and damage. Eye irritation. 2A

Skin and respiratory sensitization: Skin sensitization. 1

Reproductive toxicity: Reproductive. 1B

2.2. Label elements

29 CFR Part 1910.1200

Written Sign: Danger

Pictograms: of the Danger and Caution phrases mentioned here, see Section 16.

Obtain instructions for use of the product.

Wear gloves/protective clothing/eye protection/face protection.

If eye irritation persists: Consult a physician.

Wash contaminated clothing before reuse.

If exposed and have questions: Consult a physician.

Dispose of product and residues in accordance with local and federal regulations.

2.3. Other hazards

Hazard to the environment. GHS Classification: H410 - Very toxic to aquatic organisms, may cause long-term effects in aquatic environments.

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P-identification codes and their indications: P102 - General - Keep out of reach of children.

P261 -Prevention - Avoid breathing fumes. P262 - Avoid contact with eyes, skin and clothing.



SECTION 3: Composition, ingredient information.

Component A: Activator

No. CAS	Component	Quantity
85-68-6	Methylpropenoate	23 – 33%
94-36-0	Dibenzoyl peroxide	10 - 30 %

Component B: Resin

No. CAS	Component	Quantity
85-68-6	Methyl methacrylate	45 – 50%
79-41-4	Methacrylic acid	1 - 3%

SECTION 4: First aid.

4.1. First aid description

General information:

In case of accident or feeling unwell, consult your doctor.

After inhalation:

In case of accident by inhalation: move the patient to fresh air and allow to rest.

In case of irritation of the respiratory system, consult your doctor.

After skin contact:

Wash thoroughly with soap and water. In case of skin irritation, consult a physician.

After eye contact:

Rinse cautiously for several minutes. In case of problems or recurrence of symptoms, consult your doctor.

After ingestion:

Rinse mouth thoroughly with water. Drink clean water in small sips. Do not induce vomiting. If in doubt or symptoms persist, consult your physician.

Significant and long-term symptoms:

No information available.

Information on medical treatment and special care.

Treat according to symptoms.

SECTION 5: Fire fighting measures.

Extinguishing media

Suitable extinguishing media:

Use water spray, foam, dry powder or carbon dioxide.

Extinguishing media that should not be used for safety reasons:

None known.

Specific hazards arising from the substance or mixture.

In case of fire, oxides of carbon, oxides of nitrogen and irritating organic vapours may be released.

5.3. Recommendations for fire-fighters

Firefighters should wear self-contained breathing apparatus.

5.4. Other data

No data available

SECTION 6: Information in case of spill.

Emergency procedures, protective equipment:

Ventilate spill area. Remove all possible sources of ignition. Do not breathe vapors. Avoid contact with skin, eyes and clothing. Wear appropriate protective equipment (see section 8).

Environmental precautions:

Do not allow water to be discharged down the drain.

Collect spillage mechanically. Dispose of material properly.

SECTION 7: Handling and storage.

Storage: Store the product at a temperature below 37°C (37°F).

Keep away from sources of excessive heat, flame or sparks.

Handling: Avoid contact with eyes and prolonged contact with skin.

Storage Compatibility: Do not store together with explosive materials, oxidizing liquids, reactive substances or mixtures, organic peroxides, ammonium nitrate, combustible toxic substances, non-combustible toxic substances, radioactive substances and infectious substances.

Additional storage information: Keep product dry and tightly sealed to prevent absorption of moisture. Protect from light and ultraviolet light.

SECTION 8: Exposure controls and safety equipment.

Exposure limits.

CAS No	Sustancia	ppm	mg/m ³	f/cc	Category	Origin
80-62-6	Methacrylate	50	205	-	TWA (8 h).	WEL
		100	410		STEL (15min).	WEL
79-41-4	Methacrylic acid	20	72		TWA (8 h).	WEL
		20			STEL (15min).	WEL
94-36-0	Dibenzoyl peroxide		5		TWA (8 h).	WEL



Do not eat, drink or smoke while applying the product.

Eye protection: Wear safety glasses or sealed glasses if there is a risk of splashing.

Skin protection: Wear rubber, polyethylene or neoprene gloves.

Ventilation: Use in an area with adequate ventilation. In normal application situations and well-ventilated areas, respiratory protection is not necessary.

SECTION 9: Physical and chemical properties.

Physical State: Viscous liquid
 Color: Black
 Initial boiling point and boiling range: 100°C

SECTION 10: Stability and reactivity.

Stability: Stable
 Polymerization hazard: None
 Decomposition Hazard Products: None known
 Protect from sun (> 25°C) and ultraviolet radiation.
 Non-compatible materials: strong oxidizing substances, reducing substances, alcohols, amines, strong alkaline substances, ether, acetone.

SECTION 11: Toxicological information.

Harmful by inhalation. High vapor concentrations may irritate the respiratory system and cause headache, fatigue, nausea, and vomiting. In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness, and central nervous system effects.
 Ingestion: Ingestion may cause severe irritation of the mouth, esophagus, and gastrointestinal tract. May cause stomach pain or vomiting.
 Skin Contact: May be absorbed through the skin. Skin irritation. Prolonged contact may cause redness, irritation, and dryness of the skin. May cause sensitization by skin contact. Risk of sensitization or allergic reactions in susceptible persons.
 Eye contact: Irritating to eyes. Risk of corneal damage.
 Organs concerned: Prolonged or repeated exposure may cause damage to liver and kidneys. Heart and cardiovascular system, respiratory system, lungs, and central nervous system.

Toxicity data:

CAS No.	Components	Exposure route	Dose	Species	Source
85-62-6	Methacrylate	Oral	LD50 >5000 mg/kg	Rat	ECHA Dossier
		Dermal	LD50 >5000 mg/kg	Rabbit	ECHA Dossier
		Inhalation	LC50 29,8 mg/l	Rat	ECHA Dossier
25068-38-6	Epichlorohydrin	Oral	LD50 >2330 mg/kg	Rat	ECHA Dossier
94-36-0	Dibenzoyl peroxide	Oral	LD50 >2000 mg/kg	Mouse	ECHA Dossier
		Inhalation	LC50 24,3 mg/l	Rat	ECHA Dossier
79-41-4	Methacrylic acid	Oral	LD50 1320 mg/kg	Rat	ECHA Dossier
		Dermal	LD50 1100 mg/kg	Rat	ECHA Dossier
		Inhalation of vapors	ATE 7.1mg/L	-	

SECTION 12: Ecological information.

No information.

SECTION 13: Disposal considerations.

Dispose of in accordance with local waste disposal regulations.

SECTION 14: Information related to transportation.

Inland Transportation

UN identification number: UN 3082

Proper shipping name: Environmentally hazardous substance

Transport hazard classification: 9

Packaging group: III

Hazard label: None

Maritime transport:

UN identification number: UN 3082

Transport name: Environmentally hazardous substance

Transport hazard classification: 9

Packaging group: III

Hazard label:

Marine pollutant: yes

Limit Quantity: 5 L

Quantity exceeded: E1

Ems: F-A, S-F

Air transport:

UN identification number: UN 3 082

Proper shipping name: Environmentally hazardous substance

Transport hazard classification: 9

Packaging group: III

Hazard label:

Limited Quantity Passenger: 30 kg

Passenger LQ: Y964

Quantity exceeded: E 1

IATA-packing instructions -Passenger: 964

IATA-maximum quantity - Passenger: 450 L

IATA-packing instructions -Cargo: 964

IATA-maximum quantity - Cargo: 450 L

Environmentally hazardous: yes

SECTION 15: Regulatory information.

15.0 (SEVESO III):

E1 Hazardous to the aquatic environment.

15.1. Additional information.

The mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII, No (mixture): 3

National regulatory information

Observe restrictions on the employment of minors according to the 'youth labor protection guideline' (94/33/EC).

Employment restrictions:

Clearly water pollutant.

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the following substances in this mixture:

epoxy resin (number average molecular weight ≤ 700), reaction product: bisphenol-A-(epichlorohydrin) and dibenzoyl peroxide; benzoyl peroxide.

SECTION 16: Other information.

The above information describes exclusively the safety requirements of the product and is based on our current knowledge. The information is intended to provide you with advice on the safe handling of the product mentioned in this safety data sheet, for storage, processing, transport and disposal. The information is not transferable to other products. In the case of mixing the product with other products or in the case of processing, the information in this safety data sheet is not necessarily valid for the newly manufactured material.