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

1.1. Product identifier:
ADINOX® A730

1.2. Relevant identified uses of the substance or mixture and uses advised against:
Intended use: Acrylic Adhesive

1.3. Safety data sheet supplier information
Distributor/Manufacturer:
- Adhesivos y Suministros de México, S.A. de C.V.
- Email:info@adinoxadhesives.com
- Website:www.adinoxadhesives.com

1.4. Emergency telephone number:
911 or 11

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:
Flammable liquids Category 4
Skin corrosion Category 1A
Serious eye damage/eye irritation Category 1
Skin sensitizer Category 1
Toxic to reproduction, Category 1B
Target Organ Systemic Toxicant Single exposure Category 3
Acute hazards to the aquatic environment, Category 3
Chronic hazards to the aquatic environment, Category 3

2.2. Label elements:
29 CFR Part 1910.1200
Signal word: Danger.
Pictograms: from the phrases Danger, Prudence and Chemical spill.
Use protective gloves/clothing/eye protection/face protection.
If eye irritation persists: Consult your physician.
Wash contaminated clothing before reuse.
If exposed and have questions: Consult your physician.
Dispose of products and waste in accordance with local and federal regulations.
2.3. Other Hazards:
H227 Combustible liquid.
H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H360 May damage fertility or the unborn child.
H412 Harmful to aquatic life with long lasting effects.

SECTION 3: Composition / information on ingredients

No. CAS	Component	Quantity
2455-24-5	Tetrahydrofurfuryl methacrylate	30 - 60 %
79-41-4	methacrylic acid	5 - 10 %
688-84-6	2-Ethylhexyl methacrylate	10 %
25068-38-6	reaction product: bisphenol-A-(epichlorohydrin)	1 %
97-99-4	Tetrahydrofurfuryl alcohol	0.3 %
79-00-5	1,1,2-trichloroethane	50 %

SECTION 4: First aid measures

4.1. Ingestion:
Seek medical advice.
4.2. Skin:
Seek medical advice.
Rinse with running water and soap.
4.3. Eyes:
Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
4.4. Inhalation:
Should not be a problem as the product is of low volatility. However, if feeling unwell, remove the patient to fresh air.
4.5. First Aid facilities:
Eye wash and safety shower
Normal washroom facilities

SECTION 5: Firefighting measures

5.1. Suitable extinguishing media:
Carbon dioxide, foam, powder
5.2. Improper extinguishing media:
None known.
5.3. Combustion behavior:
Combustible Liquid
5.4. Decomposition products in case of fire:
Oxides of carbon, oxides of nitrogen, irritating organic vapors.

5.5. Particular danger in case of fire:
In case of fire, keep containers cool with water spray.
5.6. Special protective equipment for fire-fighters:
Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

SECTION 6: Accidental release measures

6.1. Personal precautions:
Ensure adequate ventilation.
Wear protective equipment.
Remove sources of ignition.
See advice in section 8
6.2. Environmental precautions:
Do not let the product enter drains.
6.3. Clean-up methods:
For small spills, wipe up with a paper towel and place in a container for disposal.
For large spills, absorb onto inert absorbent material and place in a sealed container for disposal.
Wash the spillage site thoroughly with soap and water or detergent solution.
Dispose of contaminated material as waste according to Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:
Use only in well-ventilated areas.
Avoid skin and eye contact.
Prolonged or repeated skin contact should be avoided to minimize any risk of sensitization.
7.2. Conditions for safe storage:
Store in original containers at 8-21°C (46.4-69.8°F) and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

SECTION 8: Exposure controls / personal protection

Exposure limits.

Ingredient	(ppm)	(mg/m3)
METHACRYLIC ACID 79-41-4	20	70
1,1,2-TRICHLOROETHANE 79-00-5	10	55

8.1. Engineering controls:
Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
8.2. Eye protection:
Wear chemical goggles and a face shield.
8.3. Skin protection:
Protective clothing that covers arms and legs.
The use of chemical resistant gloves such as Nitrile is recommended.
Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed, then the gloves should be replaced.
8.4. Respiratory protection:
Ensure adequate ventilation.
Do not inhale vapors and fumes.
If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716

SECTION 9: Physical and chemical properties

Physical condition: Liquid
Color: Translucent yellow
Odor: Sharp, Irritating
pH: 10
Specific gravity: 1.16
Boiling point: > 148.9 °C (> 300 °F)
Flash point: > 100 °C (> 212 °F)
Vapor pressure: < 4 mbar
Solubility in water: Slightly soluble
VOC content: 1.59 % 18.4 g/l

SECTION 10: Stability and reactivity

10.1. Stability:
Stable under recommended storage conditions.
10.2. Conditions to avoid:
Avoid excessive heat and ignition sources.
10.3. Incompatible materials:
Strong oxidizing agents.
Strong reducing agents.
Strong acids.
Alkalis.
10.4. Hazardous decomposition products:
At higher temperatures, carbon oxides and nitrogen oxides may be generated.
Irritating organic vapors
10.5. Hazardous polymerization:
Will not occur.

SECTION 11: Toxicological information

11.1. Ingestion:
May be harmful if swallowed.
11.2. Skin:
Contact with skin can cause irritation and allergic reaction (sensitization) in some individuals
11.3. Eyes:
Contact can cause moderate to severe irritation and possible injury to the eyes.
Vapors may also produce eye irritation.
11.4. Inhalation:
May cause irritation to nose and throat
11.5. Chronic effects:
Repeated excessive dermal exposure may cause marked skin irritation and may increase the possibility of allergic reactions.

11.6. Acute toxicity:

CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Tetrahydrofurfuryl methacrylate 2455-24-5	LD50	3,945 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
methacrylic acid 79-41-4	LD50 LC50 LD50	1,320 mg/kg > 3.6 mg/l 500 - 1,000 mg/kg	oral inhalation		rat rabbit	Guideline 401 (Acute Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity)
2-Ethylhexyl methacrylate 688-84-6	LD0 LD50 LD50	> 2,000 mg/kg > 2,000 mg/kg > 20,000 mg/kg	oral oral dermal		rat rat	OECD Guideline 401 (Acute Oral Toxicity)
reaction product: bisphenol-A-(epichlorohydrin) 25068-38-6	LD50 LD50	> 2,000 mg/kg > 2,000 mg/kg	oral dermal		rat rat	OECD Guideline 420 (Acute Oral Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
Tetrahydrofurfuryl alcohol 97-99-4	LD50	> 2,000 mg/kg	oral		rat	OECD Guideline 423 (Acute Oral toxicity)

SECTION 12: Ecological information

12.1. General ecological information:
Do not empty into drains / surface water / groundwater.
12.2. Eco toxicity:
Harmful to aquatic life with long-lasting effects.

SECTION 13: Disposal considerations

13.1. Waste disposal of product:
Dispose of in accordance with local and national regulations.
13.2. Disposal for uncleaned package:
After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorized legal land fill site or incinerated

SECTION 14: Transport information

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

14.1. U.S. Department of Transportation Ground (49 CFR)
Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None
14.2. International Air Transportation (ICAO/IATA)
Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None
Exceptions: ID8000, (Not more than 500 ml), May Qualify as Consumer Commodity.
14.3. Water Transportation (IMO/IMDG)
Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

SECTION 15: Regulatory information

United States Regulatory Information

15.1. TSCA 8 (b) Inventory Status:
All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
15.2. TSCA 12 (b) Export Notification:
None above reporting de minimis
15.3. CERCLA/SARA Section 302 EHS:
None above reporting de minimis.
15.4. CERCLA/SARA Section 313:
None above reporting de minimis.
15.5. CERCLA Reportable quantity:
Cumene hydroperoxide (CAS# 80-15-9) 10 lbs. (4.54 kg).
15.6. California Proposition 65:
This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

15.7. CEPA DSL/NDSL Status:
All components are listed on or are exempt from listing on the Canadian Domestic.
Substances List

SECTION 16: Other information

Disclaimer of Liability:
The information set forth is based on information Adhesis believes to be accurate. No warranty, express or implied. The information is provided for your information and consideration only, ADHESIS® assumes no liability for use or reliance thereon. For further information contact a product advisor at Adhesivos y Suministros de México, S.A de C.V.

NFPA Ratings: Health 2; Fire 1; Reactivity 1; Special does not apply.
HMIS Ratings: Health 2; Fire 1; Reactivity 1; Protective equipment (see Section 8).