

ARGON

SAFETY DATA SHEET
ARAKRIL ADC 750

Commission Regulation (EU) 2020/878 of 18 June 2020.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name **ARAKRIL ADC 750**
Product identifier Styrene acrylic copolymer emulsion
UFI code Undefined
REACH registration number Exempt

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

Identified uses Universal paint binder for exterior/Interior high PVC paints, mineral & texture coatings, plasters

1.3. Details of the supplier of the safety data sheet

Manufacturer ARGON KİMYA SAN. VE TİC. A.Ş
Contact Person info@argon.com.tr

1.4. Emergency telephone number

+90 282 726 19 90 (Ext:202)
114 (UZEM)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.
Human Health Hazards Skin Sens. 1 – H317
Environment Hazards Not classified.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

Contains Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2- methyl-2H-isothiazol-3-one (3:1), 1,2-Benzisothiazol-3(2H)-one, 2-Methyl-2H-isothiazol-3-one

Hazard Statements

Precautionary Statements H317 May cause an allergic skin reaction
P280 Wear protective gloves.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.

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P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Name	EC No.	CAS No.	Content	Classification (EC 1272/2008)	Specific Concentration Limits, M-Factors, Acute Toxicity Estimates (ATE)
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	-	55965-84-9	<0,0015%	Acute Tox. 3 - H301 Acute Tox. 2 - H310 Acute Tox. 2 - H330 Skin Corr. 1C - H314 Eye Dam. 1 - H318 Skin Sens. 1A - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	M Factor (acute) : 100 M Factor (Chronic) : 100 SCL:Skin Corr. 1C - H314:C≥0,6 % Skin Irrit. 2 - H315: 0,06≤ C <0,6 % Eye Dam. 1 - H318: C≥0,6 % Eye Irrit. 2 - H319: 0,06≤ C <0,6 % Skin Sens. 1A - H317: C≥0,0015 %
1,2-Benzisothiazol-3(2H)-one	220-120-9	2634-33-5	<0,02%	Acute Tox. 4 - H302 Acute Tox. 2 - H330 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	M Factor(acute) :10 Skin Sens. 1; H317: C ≥ 0,05%
2-methyl-2H-isothiazol-3-one	220-239-6	2682-20-4	<0,02%	Acute Tox. 2 - H330 Acute Tox. 3 (oral) Acute Tox. 3 (dermal) Skin Corr./Irrit. 1B Eye Dam./Irrit. 1 Skin Sens. 1A Aquatic Acute 1 Aquatic Chronic 1	M-factor acute: 10 M-factor chronic: 1 Skin Sens. 1A: >= 0,0015 %

The Full Text for all Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move to fresh air. If breathing is irregular, seek medical advice.

Ingestion

Obtain immediate medical attention. Never attempt to induce vomiting.

Never give anything by mouth to an unconscious person.

Skin contact

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Wash immediately with plenty of water. Remove contaminated clothing.

Eye contact

Wash immediately with plenty of water at least 15 minutes. Seek medical advice.

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

Inhalation : Upper respiratory tract irritation. Cough.

Ingestion : Nausea, vomiting.

Skin contact : Irritation, redness. May cause sensitisation by skin contact. Allergic reaction.

Eye contact : Irritation, redness.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Carbon dioxide, foam, powder and nebulised water..

5.2. Special hazards arising from the substance or mixture

Thermal decomposition may yield acrylic monomers.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Special protective equipment for fire-fighters: Wear a self-contained breathing apparatus and complete protective clothing.

Protective equipment for fire-fighters

Special protective equipment for fire-fighters: Wear a self-contained breathing apparatus and complete protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. More information about personal precautions available in section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/ subsoil.

6.3. Methods and material for containment and cleaning up

Contaminated material should be disposed as in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

For personal protection, see section 8.

See section 11 for additional information on health hazards.

For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid direct contact with eyes, skin and clothing.

Keep only in the original tightly closed container in a well ventilated place.

Do not breathe vapours.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

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Protect from direct sunlight.

Keep from freezing – product stability may be affected.

Should be stored between +5 0C and +35 0C, and should be kept at the storage temperature if the goods transferring to storage tanks. Stir well before use.

Other data : Product keeps its stability under recommended storage conditions.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

1,2-Benzisothiazol-3(2H)-one (CAS: 2634-33-5)

DNEL Workers - Inhalation; Long term systemic effects: 6.81 mg/m³
Workers - Dermal; Long term systemic effects: 0.966 mg/kg
General population - Inhalation; Long term systemic effects: 1.2 mg/m³
General population - Dermal; Long term systemic effects: 0.345 mg/kg

PNEC Pure water; 4.03 µg/L
Intermittent discharge, fresh water; 1.1 µg/L
Sea water; 0.403 µg/L
Intermittent discharge, sea water; 110 ng/L
Wastewater treatment plant; 1.03 mg/l
Sediments (freshwater); 49.9 µg/kg
Sediments (sea water); 4.99 µg/kg
Floor; 3 mg/kg

8.2. Exposure controls

Process conditions

Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation.

Hand protection

No special hand protection recommended.

Eye protection

No special eye protection required in normal use.

Hygiene measures

Wash hands after contact. Change work clothing daily before leaving work place.
Wash contaminated clothing before reuse. When using do not eat, drink or smoke.

Skin protection

Wear apron or protective clothing in case of splashes.

Environmental Exposure Controls

Please act in accordance with local and national laws.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	White
Odour	Characteristic

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Odour threshold	No data available.
pH-Value	7.0 – 9.0
Melting point	No data available.
Initial boiling point and range	Approx. 100°C
Flash Point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	Does not apply, mixture is a liquid
Upper/lower flammability or explosive limits	Does not apply, mixture is not flammable
Vapour pressure	No data available.
Vapour density	>1,0 g/cm ³ @ 20°C
Solubility	Miscible in water
Partition Coefficient (N-Octanol/Water)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Density	No data available.
Relative density	No data available.
Viscosity	7000-11000 mPas
Explosive properties	Does not apply, mixture is not explosive
Oxidising properties	Does not apply, mixture is not explosive

9.2. Other information

No information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no particular risks of reaction with other substances under normal conditions of use.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Protect from hot and cold.

10.5. Incompatible materials

There are no known materials which are incompatible with this product.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

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Acute Oral Toxicity	LD50 >5000 mg/kg (rat) Method : EEC 84/449,B.1
Acute Dermal Toxicity	Non-irritant (Rabbit) Method : EEC 84/449,B.4
Acute Inhalation Toxicity	LC50 > 2,25 mg/l (Rat) Method : OECD 400
Skin corrosion/irritation	Non-irritant (Rabbit) Method : EEC 84/449,B.4
Serious eye damage/irritation	Non-irritant. Method : EEC 84/449,B.5

Skin irritation and corrosive

Based on available data the classification criteria are not met.

Respiratory or skin sensitization

May cause sensitisation by skin contact.

Germ cell mutagenicity

All in vitro genotoxicity tests were negative.

Carcinogenicity

Carcinogenic potential is not expected.

Reproductive toxicity

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

No information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

1,2-Benzisothiazol-3(2H)-one

C(E)L ₅₀	0.01 < C(E)L ₅₀ ≤ 0.1
M factor (acute)	10
Acute toxicity - fish	LC ₅₀ , 96 hour: 1.6 - 2.8 ppm, Oncorhynchus mykiss (rainbow trout) LC ₅₀ , 96 hour: > 5.9 mg/l, Lepomis macrochirus (bluegill sunfish) (OECD 203)
Acute toxicity - invertebrates	EC ₅₀ , 48 hour: 4.4 - 4.9 ppm, Daphnia magna
Aquatic	
Acute toxicity – plants	EC ₅₀ , : > 0.07 mg/l, algae
Aquatic	EC ₅₀ , : 110 µg/L, Freshwater Algae EC10, NOEC, : 40.3 µg/L, Freshwater algae
Acute toxicity -	
Microorganisms	EC ₅₀ , 3 week: 23 mg/l, Activated sludge NOEC, 3 week: 10 mg/l, Activated sludge
chronic aquatic toxicity	
Chronic toxicity -	
aquatic invertebrates	NOEC, 21 day: 1.7 mg/l, Daphnia magna

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(OECD 211)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

acute aquatic toxicity	
C(E)L ₅₀	0.1 < C(E)L ₅₀ ≤ 1
M factor (acute)	100
Acute toxicity - fish	EC ₅₀ , 96 hour: 14.6 mg/l,
Acute toxicity - invertebrates	
Aquatic	EC ₅₀ , 48 hour: 6.67 mg/l, Daphnia magna
Acute toxicity - plants	
Aquatic	EC ₅₀ , 72 hour: 3.23 mg/l, algae
chronic aquatic toxicity	
M factor (chronic)	100
NOEC-Aquatic Invertebrates	0.035 mg/l (Daphnia sp.)

12.2. Persistence and degradability

Biodegradability >80 %
Method : OECD 301 B

12.3. Bioaccumulative potential

Not potentially bioaccumulable

12.4. Mobility in soil

Do not allow to penetrate the sewers, surface water, groundwater.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

Should not be released to the environment. May be harmful to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of material in accordance with federal, state and local requirements

Contaminated packaging

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number or ID number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

14.4. Packing group

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Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Guidance Notes

- Workplace Exposure Limits EH40.

EU Legislation

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.

Seveso Directive - Control of major accident hazards

Not applicable.

Authorisations (SI 2020 No. 1577 Annex XIV)

No specific authorisations are known for this product.

Authorisations (Annex XIV Regulation 1907/2006)

No specific authorisations are known for this product.

Restrictions (SI 2020 No. 1577 Annex XVII)

No specific restrictions on use are known for this product.

Restrictions (Annex XVII Regulation 1907/2006)

No specific restrictions on use are known for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

CAS: Chemical Abstracts Service.

ATE: Acute Toxicity Estimate.

LC₅₀: Lethal Concentration to 50 % of a test population.

LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).

EC₅₀: 50% of maximal Effective Concentration.

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PBT: Persistent, Bioaccumulative and Toxic substance.

vPvB: Very Persistent and Very Bioaccumulative.

Revision Comments

Revised according to CLP Regulation.

Classification procedures

Skin Sens. 1 - H317: : Calculation method

Hazard Statements In Full

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

H301 Toxic if swallowed.
H317 May cause an allergic skin reaction.
H314 Causes severe skin burns and eye damage.
H310 + H330 Fatal in contact with skin or if inhaled
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H330 Fatal if inhaled.
H301 + H311 Toxic if swallowed or in contact with skin
H318 Causes serious eye damage.
H315 Causes skin irritation.
H302 Harmful if swallowed.
EUH071 Corrosive to the respiratory tract.