

Appretan Thickener 2710 liq 0130 Page 1(14)

 Substance key: 000000021135
 Revision Date: 31.08.2023

 Version: 3 - 9 / EU
 Date of printing: 03.03.2025

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

1.1. Product identifier

Trade name

Appretan Thickener 2710 liq 0130

Material number: 147418

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

Relevant identified uses of the substance or mixture

Industry sector: Textile processing industry

Type of use: Textile finish

1.3. Details of the supplier of the safety data sheet

Identification of the company

ARCHROMATURKEY Kimya Sanayi

ve Ticaret Ltd. Şti.

Gebze Organize Sanayi Bölgesi İhsan Dede Cad. No:124 Gebze

41480 Kocaeli / TURKEY

Telephone no.: +90 262 672 12 12

Information about the substance/mixture

e-mail: PS.MSDS-Europe@archroma.com

1.4. Emergency telephone number

+49 69 2222 5285, +33 1 7211 0003 (24 h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

Not a hazardous substance or mixture.

2.2. Label elements

Labelling according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

Not a hazardous substance or mixture.

2.3. Other hazards

No additional hazards are known except those derived from the labelling. Contains no components identified as PBT or vPvB with a content >= 0,1 %

Contains no component identified as having Endocrine disrupting properties with a content >= 0.1 %



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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Polyacrylate emulsion

Hazardous ingredients

Isotridecanol ethoxylated

Concentration: < 5 %
CAS number: 69011-36-5
EC number: 500-241-6

GHS classification EC

Acute toxicity	Category 4	H302
Serious eye damage	Category 1	H318

Naphtha (petroleum), hydrotreated heavy

Concentration: < 3 %
CAS number: 64742-48-9
EC number: 265-150-3

Index Number 649-327-00-6

GHS classification EC

Aspiration hazard Category 1 H304

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Concentration : < 3 %
CAS number : 246538-78-3
EC number: 920-901-0

REACH - Registration 01-2119456810-40-XXXX

number according to

article 20(3):

GHS classification EC

Aspiration hazard	Category 1	H304

The text of the H-phrases is shown in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures



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General information

Remove/Take off immediately all contaminated clothing.

Ensure that the First Aid Personnel are aware of the product involved, and take precautions to protect themselves (e.g. wear personal protection equipment).

After inhalation

If inhaled, remove to fresh air.

Get medical advice/ attention.

After contact with skin

If on skin, rinse well with water.

After contact with eyes

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Call in a physician immediately and show him the Safety Data Sheet.

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

Symptoms

The possible symptoms known are those derived from the labelling (see section 2).

Hazards

No additional hazards are known except those derived from the labelling.

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

Treatment

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet

Foam

Dry powder

Carbon dioxide (CO2)

Extinguishing media that must not be used for safety reasons

none

5.2. Special hazards arising from the substance or mixture

In case of fire hazardous decomposition products may be produced such as:

Carbon oxides

Nitrogen oxides (NOx)

ammonia

Hydrogen cyanide (hydrocyanic acid)

5.3. Advice for firefighters



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Special protective equipment for firefighting

Self-contained breathing apparatus

Full protective suit

Further information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment.

Ventilate the area.

6.2. Environmental precautions

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

The product should not be allowed to enter drains, water courses or the soil.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

Additional information

Information regarding Safe handling, see chapter 7.

For personal protection see section 8.

Information regarding Waste Disposal, see chapter 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation.

Use only in area provided with appropriate exhaust ventilation.

Hygiene measures

Wash hands before breaks and at the end of workday.

Use protective skin cream before handling the product.

Take off immediately all contaminated clothing and wash it before reuse.

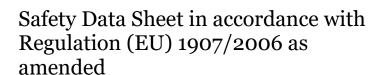
Do not eat, drink or smoke when using this product.

Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

Observe the general rules of industrial fire protection

7.2. Conditions for safe storage, including any incompatibilities





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Requirements for storage areas and containers

Keep only in the original container.

Advice on storage compatibility

Keep away from water.

Further information on storage conditions

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

Recommended storage temp 5-30 °C

Protect against frost. The product after freezing is no longer usuable

Storage stability

Shelf life is limited; refer to the certificate of analysis.

7.3. Specific end use(s)

No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Exposure limit values are not available.

DNEL/DMEL values

DNEL/DMEL values are not available.

PNEC values

PNEC values are not available.

8.2. Exposure controls

Appropriate engineering controls

Local ventilation recommended - mechanical ventilation may be used.

General protective measures

Observe the usual precautions for handling chemicals.

Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection: Use respiratory protection in case of insufficient exhaust

ventilation or prolonged exposure

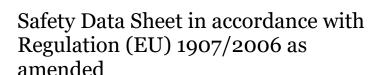
Filter A (organic gases and vapours) to standard DIN EN 141

Hand protection : Nitrile rubber gloves.

These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.

Eye protection : Safety glasses

see respiratory protection





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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid

Form: viscous liquid

Colour : milky
Odour : aliphatic

Odour threshold: not available

Melting point: < 5 °C

Boiling point: > 100 °C

Lower explosion limit: not available

Upper explosive limit: not available

Flash point: does not flash

Ignition temperature : not available

Self-ignition temperature : Not applicable

Thermal decomposition : > 150 °C

pH value : 8 - 11 (5 g/l)

Viscosity (kinematic): > 20,5 mm2/s (40 °C)

Viscosity (dynamic): > 24,6 mPa.s

Method: calculated

Solubility in water: miscible

Octanol/water partition

coefficient (log Pow):

This property is not applicable for mixtures.

Vapour pressure : 2,3 kPa (20 °C)

Density: approx. 1 - 1,2 g/cm3

Relative Density: 1 - 1,2

Vapour density relative to air : 0,804 (20 °C)

Particle size : Not applicable

9.2. Other information

Explosive properties: Explosive according to EU supply regulations: Not explosive

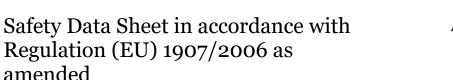
Method: Expert judgement

Combustion number : Not applicable

Oxidizing properties: Type of oxidizing effect : not oxidizing

Method: Expert judgement

Evaporation rate : not available





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Minimum ignition energy : not available

Surface tension : not available

SECTION 10: Stability and reactivity

10.1. Reactivity

See section 10.3. "Possibility of hazardous reactions"

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

Reactions with oxidising agents.

10.4. Conditions to avoid

Keep away from oxidizing agents. Protect from frost, heat and sunlight.

10.5. Incompatible materials

not known

10.6. Hazardous decomposition products

Hazardous decomposition products: Nitrogen oxides (NOx) Carbon monoxide and carbon dioxide Ammonia Hydrogen cyanide (hydrocyanic acid)

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Information related to the product itself:

Acute oral toxicity: Acute toxicity estimate > 2.000 mg/kg

Method: Calculation method

Acute dermal toxicity: not available
Acute inhalation toxicity: not available

Irritant effect on skin : Based on available data, the classification criteria are not met.

Irritant effect on eyes: No eye irritation

Method: OECD Test Guideline 437

Sensitization : No sensitisation effects are known



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not available

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Repeated dose toxicity: not available

Genetic toxicity in vitro : not available
Carcinogenicity : not available
Developmental not available

toxicity/teratogenicity:

Toxicity to not available

reproduction/fertility:

Specific target organ toxicity (STOT) - single

exposure:

Specific target organ not available

toxicity (STOT) - repeated

exposure:

Aspiration hazard :

No data available

Information related to the component: Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Acute oral toxicity: LD50 > 5.000 mg/kg (Rat)

Method: OECD Test Guideline 401

Read-across (Analogy)

Acute dermal toxicity: LD50 > 5.000 mg/kg (Rabbit)

Method: OECD Test Guideline 402

Information taken from reference works and the literature.

Acute inhalation toxicity: LC50 > 4,951 mg/l (4 h, Rat)

Method: OECD Test Guideline 403

Read-across (Analogy)

Irritant effect on skin: No skin irritation (Rabbit)

Method: OECD Test Guideline 404

Read-across (Analogy)

Irritant effect on eyes: No eye irritation (Rabbit)

Method: OECD Test Guideline 405

Read-across (Analogy)

Sensitization : Does not cause skin sensitisation. (Guinea pig)

Method: OECD Test Guideline 406

Read-across (Analogy)

Repeated dose toxicity: Repeated dose toxicity

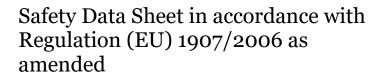
Route of application: Oral NOAEL: > 1.000 mg/kg (Rat) Method: OECD Test Guideline 422

Information taken from reference works and the literature.

Repeated Dose Toxicity (subchronic study)

Route of application: Inhalation NOAEL: >= 200 mg/l (Rat)

Method: OECD Test Guideline 413





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Read-across (Analogy)

Genetic toxicity in vivo: Mutagenicity (in vivo mammalian bone-marrow cytogenetic

test, chromosomal analysis)
Mouse (CD1, male and female)

oral (gavage)

Method: OECD Test Guideline 474

negative

Genetic toxicity in vitro : Test type : Ames test

Metabolic activation: with and without

Result: negative

Method: OECD Test Guideline 471

Read-across (Analogy)

Test type: In vitro cytogenicity study in mammalian cells

Metabolic activation: with and without

Result: negative

Method: OECD Test Guideline 473

Read-across (Analogy)

Test type: In vitro gene mutation study in mammalian cells

Metabolic activation : with and without

Result : negative

Method: OECD Test Guideline 476

Read-across (Analogy)
Route of application: Oral

Developmental

toxicity/teratogenicity: NOAEL: 1.000 mg/kg (Rat)

NOAEL (maternal): 500 mg/kg (Rat) Method: OECD Test Guideline 414

Read-across (Analogy)

Toxicity to

One generation study

reproduction/fertility: NOAEL parent: >= 3.000 mg/kg (Rat)

NOAEL F1: >= 3.000 mg/kg (Rat) Method: OECD Test Guideline 415

Read-across (Analogy)

Aspiration hazard :

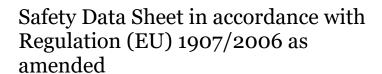
May be fatal if swallowed and enters airways.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Information related to the product itself:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.





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11.2.2. Other information

Remarks

The mixture consists of ingredient(s) with unknown acute toxicity.

SECTION 12: Ecological information

12.1. Toxicity

Information related to the product itself:

Fish toxicity: not available
Fish toxicity (chronic): not available
Daphnia toxicity: not available
Daphnia toxicity (chronic): not available
Algae toxicity: not available
Bacteria toxicity: not available

Information related to the component: Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Fish toxicity: LC50 > 1.000 mg/l (96 h, Oncorhynchus mykiss (rainbow

trout))

Method: OECD Test Guideline 203

Read-across (Analogy)

Fish toxicity (chronic): NOEC 0,316 mg/l (28 d, Oncorhynchus mykiss (rainbow

trout))

No toxicity at the limit of solubility

The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (Cesar

models), etc.

Daphnia toxicity: EC50 > 1.000 mg/l (48 h, Daphnia magna (Water flea))

Method: OECD Test Guideline 202

Read-across (Analogy)

Daphnia toxicity (chronic): NOEC 1 mg/l (21 d, Daphnia magna (Water flea))

Method: OECD Test Guideline 211 No toxicity at the limit of solubility

Algae toxicity: EC50 (Growth rate) > 1.000 mg/l (72 h, Pseudokirchneriella

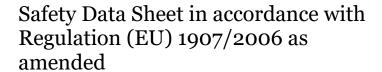
subcapitata (green algae))

Method: OECD Test Guideline 201

Read-across (Analogy)

Bacteria toxicity: EC50 > 2.000 mg/l (5 h, Pseudomonas putida)

Read-across (Analogy)





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12.2. Persistence and degradability

Information related to the product itself:

Physico-chemical

not available

eliminability:

Biodegradability: not available

Information related to the component: Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Photodegradation: air

0,963 d

The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (Cesar

models), etc.

Biodegradability: 89,8 % (28 d)

Readily biodegradable.

Method: OECD Test Guideline 301F

Read-across (Analogy)

12.3. Bioaccumulative potential

Information related to the product itself:

Bioaccumulation: No information is available on the mixture "as is". If relevant

information is available on the substances listed in Chapter 3,

it is reported here.

Information related to the component: Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Bioaccumulation: Bioconcentration factor (BCF): 144,3

The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (Cesar

models), etc.

12.4. Mobility in soil

Information related to the product itself:

Transport and distribution between environmental

No information is available on the mixture "as is". If relevant information is available on the substances listed in Chapter 3,

compartments: it is reported here.

Information related to the component: Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Transport and distribution between environmental compartments:

Adsorption/Soil Koc: 14454 log Koc: 4,16

Read-across (Analogy)



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12.5. Results of PBT and vPvB assessment

Information related to the product itself:

No information is available on the mixture "as is". If relevant information is available on the substances listed in Chapter 3, it is reported here.

Information related to the component: Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

The substance is not identified as a PBT or as a vPvB substance.

12.6. Endocrine disrupting properties

Information related to the product itself:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects

Information related to the product itself:

Additional ecotoxicological remarks

Product does not contain any organic bound Halogens which could lead to AOX-values.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

Uncleaned packaging

Packaging that cannot be cleaned should be disposed of as product waste

SECTION 14: Transport information

Section 14.1. to 14.5.

ADR not restricted
ADN not restricted
RID not restricted
IATA not restricted
IMDG not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.



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14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

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

Other regulations

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

15.2. Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

See product leaflet

PBT

PEC

List of the text of the hazard statements mentioned section 3 (H-phrases):

Persistent, Bioaccumulative, Toxic

Predicted Environmental Concentration

H302 H304 H318	Harmful if swallowed. May be fatal if swallowed and enters airways. Causes serious eye damage.
Legend	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AOX	Adsorbable organic bound halogens
CAS	Chemical Abstracts Service
DMEL	Derived Minimal Effect Level (genotoxic substances)
DNEL	Derived No Effect Level
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	Non Observed Effect Concentration
OEL	Occupational Exposure Limit



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PNEC Predicted No Effect Concentration

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals
RID International Rule for Transport of Dangerous Substances by Railway

SVHC Substances of Very High Concern

vPvB very Persistent and very Bioaccumulative

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