

**IN-ECO® 190**

According to the Regulation No. 1907/2006/EC (REACH) and No. 2015/830/EC

Version: 2022-09-07 / EN

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Mixture name: **IN-ECO® 190**  
Chemical name: Polyacrylates aqueous solution.

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

Relevant identified uses: Scale inhibitor for cooling system.

**1.3. Details of the supplier of the safety data sheet**

Company: JSC „Arionex LT“  
Address: Ašigalio g. 6c, LT-49142, Kaunas  
Telephone: +370 37 214669  
E-mail: [info@arionex.eu](mailto:info@arionex.eu)

**1.4. Emergency telephone**

Poisoning control and information bureau  
Address: Šiltnamių g. 29, LT -2043 Vilnius, Lithuania  
Telephone number: 8 5 236 20 52  
Fax: 8 5 236 21 42  
E-mail: [info@tox.lt](mailto:info@tox.lt)  
Work time: All day (24 hours).

**SECTION 2: Hazards Identification****2.1. Classification of the substance or mixture****According to Regulation (EC) No 1272/2008 [CLP]**

Product is not classified as hazardous.

**2.2. Label elements****According to Regulation (EC) No 1272/2008 [CLP].****Pictogram:**

None.

**Signal Word:** None.**Dangerous components of the mixture:**

None.

**Hazard Statement:**

None.

**Precautionary Statements:**

None.

**2.3. Other hazards**

No specific dangers known, if the regulations/notes for storage and handling are considered.

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**SECTION 3: Composition/Information on Ingredients****3.1. Substances**

Not applicable.

**3.2. Mixtures**

Chemical name: Polyacrylates aqueous solution.

CAS No.	EINECS No.	Index No.	REACH Registration No.	Name	Concentration range (%)	Classification according to Regulation (EC) No 1272/2008 [CLP]
-	-	-	-	-	-	-

For the full text of the H-statements mentioned in the Section, see Section 16

**SECTION 4: First-Aid Measures****4.1. Description of first aid measures**

Remove contaminated clothing.

**If inhaled:**

The product is not volatile.

**On skin contact:**

First aid will probably not be needed. Wash immediately with plenty of water. Seek medical treatment in all cases of irritation.

**On contact with eyes:**

First aid will probably not be needed. Rinse immediately with plenty of water for at least 15 minutes. Seek medical treatment in all cases of irritation.

**On ingestion:**

First aid will probably not be needed. Rinse mouth and drink at least 0.5 liters of water. Do NOT induce vomiting. If you feel unwell, seek medical attention.

**4.2. Most important symptoms and effects, both acute and delayed****Both acute symptoms:**

If inhaled: No information available.

On skin contact: May cause skin irritation.

On contact with eyes: May causes eye irritation.

On ingestion: No information available.

**Delayed symptoms:**

If inhaled: No information available.

On skin contact: Irritation and allergic skin reaction.

On contact with eyes: Tearing, redness.

On ingestion: No information available.

**4.4. Indication of any immediate medical attention and special treatment needed**

Treatment: No information available.

**SECTION 5: Fire-Fighting Measures****5.1. Extinguishing media****Suitable extinguishing media:**

All types of extinguishing media are suitable: water, dry powder, carbon dioxide, foam, sand and other.

**5.2. Special hazards arising from the substance or mixture**

Dangerous products of combustion of the mixture was not observed.

**5.3. Advice for fire-fighters**

Wear protective working tools such boots, coveralls, gloves, eye and face protection.

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**SECTION 6: Accidental Release Measures****6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Avoid contact with skin and eyes. Wear personal protective equipment as described under Heading 8.

**6.1.2. For emergency responders**

Avoid contact with skin and eyes. Wear personal protective equipment as described under Heading 8.

**6.2. Environmental precautions**

Do not wash product down sewage and drainage systems or into bodies of water.

**6.3. Methods and material for containment and cleaning up**

Absorb the spillage into sand or other inert material, shovel into suitable containers. If containment is not possible and material enters the drain, dilute as much as possible with water.

**6.4. Reference to other sections**

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

**SECTION 7: Handling and Storage****7.1. Precautions for safe handling**

No special measures necessary provided product is used correctly.

Protection against fire and explosion: No special precautions necessary.

**7.2. Conditions for safe storage, including any incompatibilities**

The product should be stored in a cool, dry area in PVC or HDPE containers.

Storage stability:

Keep storage area should be dry, cool.

Unsuitable (incompatible) storage of chemicals: strong alkalis.

**7.3. Specific end use(s)**

Used as scale and corrosion inhibitor for cooling water treatment.

The concentrated product is dosed using a dosing pump in the system.

**SECTION 8: Exposure Controls/Personal Protection****8.1. Control parameters**

Components with occupational exposure limits: HN 23:2011 Lithuania

Substance		Exposure limits	
Name	CAS No	Short-term effects, mg/l	Long-term exposure, mg/l
-	-	-	-

Contains no substances with occupational exposure limit value.

**8.2. Exposure controls****8.2.1. Personal protective equipment****General safety and hygiene measures:** General indoor ventilation. Do not eat, drink or smoke when working with product to avoid contact with skin or mouth. Immediately after working with cement or cement-containing materials, workers should wash or shower or use skin moisturizers. Remove contaminated clothing, footwear, etc., and clean thoroughly before re-using them.**Respiratory protection.** Not necessary.**Eye protection.** Wear approved glasses or safety goggles to prevent contact with eyes.**Skin protection.** Wear rubber gloves, usual work clothes.

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**8.2.2. Environmental exposure controls**

Do not wash product down sewage and drainage systems or into bodies of water.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Form:</b>	Liquid;
<b>Colour:</b>	Yellow-brown;
<b>Odour:</b>	Weak smell product;
<b>Odour threshold:</b>	Not determined;
<b>pH, (20 °C):</b>	3,0 ÷ 5,0;
<b>Melting / freezing point:</b>	-5°C;
<b>Density (20 °C):</b>	1,05 ± 0,05g/cm <sup>3</sup> ;
<b>Solubility:</b>	Soluble in water;
<b>Boiling point/range:</b>	100 ÷ 130 °C;
<b>Flash point:</b>	Not determined;
<b>Evaporation rate:</b>	Not determined;
<b>Flammability:</b>	Not self-igniting;
<b>Partitioning coefficient n-octanol/water (log K<sub>ow</sub>):</b>	Not applicable;
<b>Self ignition:</b>	Not determined;
<b>Thermal decomposition:</b>	Not determined;
<b>Explosion hazard:</b>	Not explosive;
<b>Viscosity, dynamic:</b>	Not determined;
<b>Oxidizing properties:</b>	None.

**9.2. Other Information**

No data available.

**SECTION 10: Stability and Reactivity****10.1. Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

**10.2. Chemical stability**

The product is stable if stored and handled as prescribed/indicated (see Heading 7).

**10.3. Possibility of hazardous reactions**

The heat released by mixing with strong alkalis (exothermic reaction).

**10.4. Conditions to avoid**

Avoid freezing.

**10.5. Incompatible materials**

Strong alkalis.

**10.6. Hazardous decomposition products**The product is stable, but heating may release hazardous decomposition products: CO, CO<sub>2</sub>.**SECTION 11: Toxicological Information****11.1. Information on toxicological effects****Acute toxicity****Eye contact.** Direct contact with product may cause irritate to eyes.**Skin contact.** Direct contact with product may cause skin irritation.**Ingestion.** No data.**Inhalation.** Not volatile.

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**11.2. Chronic effects****Inhalation.** Not volatile.**Carcinogenicity.** None.**Mutagenicity.** None.**Reproductive toxicity.** None.**Contact dermatitis/Sensitizing effect.** Allergic and sensitive people may develop dermatitis.**11.3. Medical conditions aggravated by exposure**

None.

**SECTION 12: Ecological Information****12.1. Toxicity**

The product does not have any known adverse effects on the aquatic organisms tested. The addition of large amounts of product to water may cause a rise in pH (alkalinity).

**12.2. Persistence and degradability**

Completely soluble in water.

**12.3. Bioaccumulative potential**

Biologically not accumulate.

**12.4. Mobility in soil**

Not volatile.

**12.5. Results of PBT and vPvB assessment**

The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

**12.6. Other adverse effects**

Additional advice: No data available.

**SECTION 13: Disposal Considerations****13.1. Waste treatment methods**

Not classified as harmful to aquatic organisms. Not classified as harmful to birds. Not allowed to dispose of empty containers or waste into the environment. Dispose of according to the local legislation. Empty containers should be returned to the supplier.

**SECTION 14: Transport Information**

The product is not covered by the international regulation on the transport of dangerous goods (IMDG/ IATA, ADR/RID) and therefore no classification is required. No special precautions are needed apart from those mentioned under Heading 8.

**14.1. UN Number**

None.

**14.2. Proper Shipping Name**

None.

**14.3. Transport hazard class(es)**

None.

**14.4. Packing Group**

None.

**14.5. Environmental hazards**

None.

**14.6. Special precautions for user**

None.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

None.

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**SECTION 15: Regulatory Information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010/EC, Regulation (EC) No 1272/2008 [CLP], Regulation No 2015/830/EC.

**15.2. Chemical Safety Assessment**

Chemical Safety Assessment not required.

**SECTION 16: Other Information**

**IN-ECO® 190** - For professional use only.

**IN-ECO® 190** - Safety data sheets and technical information developed by the manufacturer.

**Full text of H-Statements**

None.

**Abbreviations:**

CAS – Chemical Abstracts Service

EINECS – European Inventory of Existing Chemical Substances

GHS – Globally Harmonised System of Classification and Labelling of Chemicals

CLP – Classification, labelling and packaging of substances and mixtures

**Product IN-ECO® 190 Label**

Product is not classified as hazardous.

**Pictogram:** None.

**Signal Word:** None.

**Dangerous components of the mixture:** None.

**Hazard Statement:** None.

**Precautionary Statements:** None.

*The information on this data sheet reflects the currently available knowledge and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product, including the use of the product in combination with any other product or any other process, is the responsibility of the user. It is implicate that the user is responsible for determining appropriate safety measures and for applying the legislation covering his own activities. Safety data sheet available for professional user on request.*

