



Scheda di sicurezza
POE 170
ELKE S.r.l.
VIA XXV APRILE 202, 10042, NICHELINO (TO) ITALIA
REA di TO: 987683 P.Iva 08613670010
Tel. n. +39 011 9622412

Scheda di sicurezza del 27/09/2021, revisione 1

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

1.1. Product identifier

Mixture identification:

Trade name: POE 170

Trade code: 11.113/5_ 11.113/20

1.2. Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati

Usi raccomandati:

PRODOTTI PER GLI IMPIANTI DI CLIMATIZZAZIONE

Usi sconsigliati:

No data available

1.3. Details of the supplier of the safety data sheet

Company:

ELKE S.r.l. Via XXV Aprile 202 10042 Nichelino (To) Italia.

Tel. n. +39 011 9622412

Competent person responsible for the safety data sheet:

Domenico Amosso info@elke-ac.com

1.4. Emergency telephone number

Centro Antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Ca' Granda -Milano)

Centro Antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia)

Centro Antiveleni di Bergamo 800 883300 (CAV Ospedali Riuniti - Bergamo)

Centro Antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi - Firenze)

Centro Antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli - Roma)

Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I - Roma)

Centro Antiveleni di Napoli 081 7472870 (CAV Ospedale Cardarelli - Napoli)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This product does not meet the applicable classification and labeling criteria pursuant to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Not relevant

2.3. Other hazards

PBT assessment

This product is not considered to be PBT

VPvB evaluation

This product is not considered to be vPvB

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Dangerous ingredients:



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OSFOROTIOATO DI O,O,O-TRIS(2(o 4)-C9-C10-ISOALCHILFENILE) ; CE N. : 406-940-1;
No. CAS : 126019-82-7

Share by weight: <0.5%

Classification 1272/2008 [CLP]: Aquatic Chronic 2; H411

Other information:

Relevant H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash immediately with: Water

In case of eye contact:

Rinse immediately well with an eye saver or water.

In case of ingestion:

Immediately rinse mouth and drink plenty of water.

In case of inhalation:

No special measures are required.

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

No data available.

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

No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

CO₂, Foam, Chemical powders depending on the materials involved in the fire.

5.2. Special hazards arising from the substance or mixture

Nobody

5.3. Advice for firefighters

Use a self-powered respirator. Wear full protective suits. Do not inhale the gases from the fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Observe the safety measures governing the handling of chemicals.

6.2. Environmental precautions

Do not disperse in sewers or aquifers.

6.3. Methods and material for containment and cleaning up

For containment

In case of liquid product, contain and absorb the spill with inert absorbent material (for example, sand, earth, vermiculite, diatomaceous earth). Place the contaminated material in suitable containers and send it to waste disposal. After collection, wash the area and the materials involved with water, recovering the water used and, if necessary, send it to disposal in authorized plants.

For the cleaning

The contaminated area must be cleaned up immediately with: Water Collect washing water and dispose of it.

6.4. Reference to other sections

See also paragraphs 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8).

7.2. Conditions for safe storage, including any incompatibilities

Use only containers approved for the product.



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Deposit class: 10

Keep container tightly closed and in a well-ventilated place.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Nobody

8.2. Exposure controls

Eye protection:

For more information, refer to the UNI-EN 166 standard

Not required for normal use. However, operate according to good working practices.

Skin protection:

Use overalls and apron made of suitable material; immediately change contaminated clothing and wash it thoroughly before reuse.

It is advisable to maintain good personal hygiene and work clothing. For more information, refer to the UNI-EN 465/466/467 standards

No special precautions are required for normal use.

Hand protection:

Wear work gloves (for example in neoprene, nitrile or PVC), preferably lined internally, resistant to mineral oils or solvents. Gloves should be replaced at the first signs of wear. Wear gloves after proper hand cleaning.

In the case of non-prolonged contacts, the use of barrier creams can be a useful protection tool.

Wear work gloves (for example in neoprene, nitrile or PVC), preferably lined internally, resistant to mineral oils or solvents. Gloves should be replaced at the first signs of wear. Wear gloves after proper hand cleaning.

In the case of non-prolonged contacts, the use of barrier creams can be a useful protection tool.

The choice of protective gloves also depends on the conditions of use and must take into account the manufacturer's instructions.

For more information, refer to the UNI-EN 374 standard

Not required for normal use.

Respiratory protection:

If the operating procedures and other means to limit the exposure of workers are not adequate - in order to respect the exposure limits if specified in point 8 - other means of respiratory protection are necessary: masks with cartridges for organic vapors and for powders / mists (e.g. activated carbon mask).

Not needed for normal use.

Thermal risks:

Nobody

Environmental exposure controls:

Nobody

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State of aggregation

liquid

Shape/Colour

Clear liquid of pale yellow color



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Odour
characteristic

PH value
No data available

Boiling point / Boiling range
(1013 hPa) > 200°C

Melting point / freezing point
not determined

Decomposition temperature
No data available

Flash point
278°C

Ignition temperature
No data available

Flammability
No data available

Lower explosion limit
No data available

Upper explosion limit
No data available

Steam pressure
No data available

Relative vapor density
No data available

Relative density
No data available

Density
Value: 0,998 g/cm ³
Reference temperature: 15°C
Method: ASTM D 1298

Solubility in water
Insolubile

Solubility
No data available

Partition coefficient n-octanol / water (logarithm value)
No data available

Viscosity
Value: 170 cSt
Reference temperature: 40°C
Method: ASTM D 445

Characteristics of the particles
No data available

9.2. Other information

Particular indications
No data available

SECTION 10: Stability and reactivity

- 10.1. Reactivity
No data available.
- 10.2. Chemical stability
The product is stable under recommended storage and use conditions (see paragraph 7).
- 10.3. Possibility of hazardous reactions
If used according to the regulations, dangerous reactions are not to be expected
- 10.4. Conditions to avoid
Heat, open flames and other sources of ignition.
- 10.5. Incompatible materials
No data available.
- 10.6. Hazardous decomposition products
No data available.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects

Acute oral toxicity
No data available

Acute dermal toxicity
No data available

Acute inhalation toxicity
No data available

Skin corrosion / irritation
No data available



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Serious eye damage / eye irritation
No data available

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
No data available

Reproduction toxicity
No data available

Carcinogenicity
No data available

Specific target organ toxicity (STOT) - single exposure
No data available

Specific target organ toxicity (STOT) - repeated exposure
No data available

Aspiration hazard
No data available

- 11.2. Information on other hazards
Properties of interference with the endocrine system:
No data available.
Particular indications:
No data available.

SECTION 12: Ecological information

- 12.1. Toxicity
Use according to good working practices, avoiding to disperse the product in the environment.
- 12.2. Persistence and degradability
No data available.
- 12.3. Bioaccumulative potential
No data available.
- 12.4. Mobility in soil
No data available.
- 12.5. Results of PBT and vPvB assessment

PBT Assessment: This product is not considered to be PBT
VPvB Rating: This product is not considered as a vPvB

- 12.6. Other adverse effects
No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of exhausted products (and emulsions in the case of water-soluble coolant products) and containers by transferring them to authorized companies in compliance with the provisions contained in Presidential Decree No. 691 of 23/08/82 (Compulsory Consortium of Used Oils) and in Part IV of Environmental Code (Legislative Decree no. 152 of 3/4/2006) and subsequent amendments

Do not discharge into sewers, tunnels or waterways. comply with the laws in force

Recover if possible. Operate according to local and national regulations.

Where applicable, refer to the following regulations: 91/156 / EEC, 91/689 / EEC, 94/62 / EC and subsequent amendments.

SECTION 14: Transport information

14.1. ADR / RID / ADN transport

The product is not subject to ADR / RID / ADN regulations.

14.2. IMDG transport

The product is not subject to IMDG regulations.

14.3. ICAO-TI / IATA transport

The product is not subject to ICAO-TI / IATA regulations.

14.4. Other informations

No data available.

14.5. Dangers for the environment

Information on environmental hazards, if relevant, see 14.1 - 14.3.

14.6. Special precautions for users

No data available.

14.7. Bulk shipping in accordance with IMO acts

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) n. 1907/2006 (REACH).

EC Regulation 1272/2008 (CLP).

Directive 2012/18 / EU (Seveso)

Regulation (EU) n. 830/2015

National standards

Legislative Decree 81/2008 (Consolidated law on the protection of health and safety in the workplace) and subsequent amendments and Directive 2009/161 / EU - Chemical risk assessment pursuant to Title IX.

Water hazard class (WGK)

Class: nwg (Non-hazardous for water) Classification according to AwSV

Percentage of WGK 3 carcinogenic substances - 0%

Percentage of WGK 2 carcinogens: - 0%

Percentage of carcinogenic substances: - 0%

Percentage of WGK 3 substances: - 0%

Percentage of WGK 3 substances with factor M:: - 0%

Percentage of WGK 3 substances (nwg):: - 0%

Percentage of WGK 2 substances: - 0%

Percentage of WGK 2 substances with factor M:: - 0%

Percentage of WGK 1 substances: - 0%

Percentage of non-hazardous substances in water (nwg): 99.99938%

Percentage of unidentified substances: - 0%



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Percentage of unidentified substances (nwg): - 0%
Percentage of floating liquids: 0%

Additional regulations, limitations and legal requirements

Substances listed in the Candidate List (SVHC) according to Article 59 of Regulation (EC) 1907/2006: None

Contained substances subject to authorization according to Annex XIV of Regulation (EC) 1907/2006: None

Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006: None

Seveso Category: None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

16.1. Indications of changes

02. Labeling according to EC regulation no. 1272/2008 [CLP] · 03. Hazardous ingredients

16.2. Abbreviations and acronyms

LEGEND:

ADR:	Accord européen relative au transport international des marchandises dangereuses par route (European agreement concerning the international transport of dangerous goods by road)
ASTM:	ASTM International, originally known as American Society for Testing and Materials (ASTM) EINECS: European Inventory of Existing Commercial Chemical Substances
EC50:	Effective Concentration 50 (Maximum Effective Concentration for 50% of Individuals)
LC50:	Lethal Concentration 50 (Lethal Concentration for 50% of Individuals)
IC50:	Inhibitor Concentration 50 (Inhibitor Concentration for 50% of Individuals)
NOEL:	No Observed Effect Level
DNEL:	Derived No Effect Level
DMEL:	Derived Minimum Effect Level
CLP:	Classification, Labeling and Packaging
CSR:	Chemical Safety Report
LD50:	Lethal Dose 50 (Lethal Dose for 50% of Individuals)
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
IMDG Code:	International Maritime Dangerous Goods code
PBT:	Persistent, bioaccumulative and toxic (persistent bioaccumulative and toxic substances)
RID:	Règlement concernant le transport International ferroire des marchandises Dangereuses (Regulation concerning the international transport of dangerous goods by rail)
STEL:	Short term exposure limit
TLV:	Threshold limit value
TWA:	Time Weighted Average
EU:	European Union
vPvB:	Very persistent very bioaccumulative (very persistent and very bioaccumulative substances)
N.D .:	Not available.



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N.A. : Not applicable.
VwVwS. : Text of Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes (Verwaltungsvorschrift wassergefährdende Stoffe - VwVwS)

16.3. Important literature information and data sources

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Center, Commission of the European Communities.

SAX's Dangerous Properties of Industrial Materials - Eight Edition - Van Nostrand Reinold.

ACGIH - Treshold Limit Values - 1999 Edition.

European Chemicals Agency: www.echa.europa.eu

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification procedure: Calculation method

16.5. Relevant H- and EUH-phrases (Number and full text)

H411 Toxic to aquatic life with long lasting effects.

16.6. Instructional indication

Nobody

16.7. Additional indications

Nobody