

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

*

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name: PENETRATE OIL KL795****UFI: D820-E06Q-V00H-1QWP****1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the mixture: Tools rust cleaner**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Kalogeropoulos Chemicals S.A.

D. Gounari 35, 185 31

Pireaus, Greece

Tel: +30 2104124518

Fax: +30 2104101607

e-mail: info@kalochem.gr

website: www.kalochem.gr

1.4 Emergency telephone number: Τηλ. Κέντρου Δηλητηριάσεων 2107793777

*

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation EC No 1272/2008 CLP:**

GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements**Labelling according to Regulation EC No 1272/2008 CLP:**

The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

(Contd. of page 1)

Hazard pictograms:

GHS02 GHS07 GHS08 GHS09

Signal word: Danger**Hazard-determining components of labelling:**

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
 Xylene mixture of isomers

Hazard statements:

H226 Flammable liquid and vapour.
 H336 May cause drowsiness or dizziness.
 H372 Causes damage to organs through prolonged or repeated exposure.
 H304 May be fatal if swallowed and enters airways.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P331 Do NOT induce vomiting.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

Regulation (EC) No 648/2004 on detergents / Labelling for contents

aromatic hydrocarbons	≥30%
halogenated hydrocarbons, cationic surfactants	<5%

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** Mixture: consisting of the following components.

(Contd. on page 3)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

(Contd. of page 2)

Ingredients according Regulation (EU) 2020/878:

CAS: 64742-82-1 EC number: 919-446-0 Index number: 649-330-00-2 Reg.nr.: 01-2119458049-33-XXXX	Hydrocarbons, C9-C12, n- alkanes, isoalkanes, cyclics, aromatics (2-25%) ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 3, H331; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	≥25-≤50%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX	Xylene ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	≥1-≤2.5%
CAS: 75-09-2 EINECS: 200-838-9 Reg.nr.: 01-2119480404-41-XXXX	dichloromethane methylene chloride ⚠ Carc. 2, H351; STOT RE 2, H373; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335-H336	≥0.1-≤2.5%

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

Take affected persons out into the fresh air.
 Seek immediate medical advice.

After inhalation:

Supply fresh air and to be sure call for a doctor.
 In case of unconsciousness place patient stably in side position for transportation.
 Seek medical treatment in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.
 If skin irritation continues, consult a doctor.
 Remove contaminated clothing.

After eye contact:

Rinse opened eye for at least 15 minutes under running water.
 Remove contact lenses and continue rinsing for several minutes
 If symptoms persist, consult a doctor.
 Avoid strong water jet-risk of cornea damage, consult a doctor.

After swallowing:

Do not induce vomiting; call for medical help immediately.
 Drink plenty of water and provide fresh air. Call for a doctor immediately.
 Seek immediate medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray.

For safety reasons unsuitable extinguishing agents: Water with full jet

(Contd. on page 4)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

(Contd. of page 3)

5.2 Special hazards arising from the substance or mixture No further relevant information available.**5.3 Advice for firefighters****Protective equipment:** During fire-fighting wear suitable respiratory device and protective clothes.**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Mouth respiratory protective device.

Avoid inhalation of vapors.

Keep away from ignition sources.

6.1.1 For non-emergency personnel

Avoid contact with skin and eyes.

Avoid contact with dripping or leaking material

6.1.2 For emergency responders

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

Use non-sparking tools.

Ensure adequate ventilation.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Prevent formation of aerosols.

Do not eat, drink or smoke during the usage of the product.

Wash contaminated clothing before reuse.

Ensure good ventilation/exhaustion at the workplace.

Avoid inhaling vapors.

Avoid contact with skin, eyes and clothing.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities**Storage:** Store in cool, dry conditions in well sealed receptacles.**Requirements to be met by storerooms and receptacles:**

Store in a cool location.

(Contd. on page 5)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

(Contd. of page 4)

Prevent any seepage into the ground.

Provide ventilation for receptacles.

Information about storage in one common storage facility: Store away from oxidising materials.**Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Keep container tightly sealed.

7.3 Specific end use(s) No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 1330-20-7 xylene**

WEL	Short-term value: 441 mg/m ³ , 100 ppm
	Long-term value: 220 mg/m ³ , 50 ppm
	Sk; BMGV

DNELs

(EC: 919-446-0) Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

WorkersInhalation, systemic effects, short-term exposure: 570 mg/m³Inhalation, systemic effects, long-term exposure: 330 mg/m³

Dermal, systemic effects, long-term exposure: 21 mg/kg bw/day

General populationInhalation, systemic effects, short-term exposure: 570 mg/m³Inhalation, systemic effects, long-term exposure: 71 mg/m³

Dermal, systemic effects, long-term exposure: 12 mg/kg bw/day

Oral, systemic effects, long-term exposure: 21 mg/kg bw/day

CAS: 1330-20-7 Xylene (mixture of isomers)

Workers:

High Exposure, Systemic, 180 mg/kg

Inhalation, Short Term Exposure, Systemic, 289 mg/m³Inhalation, Short Term Exposure, Local, 289 mg/m³Inhalation, Large exposure, Systemic, 77 mg/m³**Consumers:**

Oral, Large exposure, Systemic, 1.6 mg/kg

Dermal, Large exposure, Systemic, 108 mg/kg

Inhalation, Large Exposure, Systemic, 14.8 mg/m³

CAS: 75-09-2 | dichloromethane, methylene chloride

Workers:Inhalation: Short-term systemic effect: 706 mg/m³Inhalation: Long-term systemic effect: 353 mg/m³

Dermal: Long-term systemic effect: 4750 mg/kg bw/d

Consumers:Inhalation: Short-term systemic effect: 353 mg/m³Inhalation: Long-term systemic effect: 88.3 mg/m³

Dermal: Long-term systemic effect: 2395 mg/kg bw/d

Oral: Long-term systemic effect: 0.06 mg/kg bw/d

(Contd. on page 6)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

(Contd. of page 5)

PNECs

CAS: 1330-20-7 Xylene (mixture of isomers)
 STP: 6.58 mg/l
 Freshwater: 0.327 mg/l
 Soil: 2.31 mg/kg
 Marine water: 0.327 mg/l
 Intermittent releases: 0.327 mg/l
 Sediment (freshwater): 12.46 mg/kg
 Sediment (marinewater): 12.46 mg/kg
 CAS: 75-09-2 | dichloromethane, methylene chloride
 Fresh water 0,54 mg/l
 Marine water 0,194 mg/l
 Water (Intermittent release) 0,27 mg/l
 Effects on waste water treatment plants 26 mg/l
 Fresh water sediment 4,47 mg/kg dw
 Marine sediment 1,61 mg/kg dw
 Soil 0,583 mg/kg dw

Ingredients with biological limit values:**CAS: 1330-20-7 xylene**

BMGV	650 mmol/mol creatinine urine post shift methyl hippuric acid
------	--

Additional information: The lists valid during the making were used as basis.**8.2 Exposure controls****8.2.1. Appropriate engineering controls** Provide adequate ventilation.**Appropriate engineering controls** No further data; see item 7.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
 Wash hands before breaks and at the end of work.
 Avoid contact with skin and eyes.
 Do not eat, drink or smoke while using the product.
 Take off contaminated clothing and wash before reuse.
 Do not breathe vapours or mists.
 Take appropriate protective measures with regard to the handling of chemicals and mixtures.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

(Contd. on page 7)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

(Contd. of page 6)

Hand protection

Protective gloves resistant to chemicals (standard EN 374-1)

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Eye/face protection

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Chemically resistant, protective work clothing (EN 14605) and boots.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information**

Physical state	Liquid
Colour:	Dark brown
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	Not determined
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	30 °C
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined
pH at 20 °C	7.5
Viscosity:	
Kinematic viscosity	Not determined

(Contd. on page 8)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

(Contd. of page 7)

Kinematic viscosity	
Dynamic:	Not determined
Solubility	
water:	Not determined
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not determined
Density and/or relative density	
Density at 20 °C:	0.81-0.83 g/cm ³
Relative density	Not determined
Vapour density	Not determined

9.2 Other information**Appearance:****Form:** Liquid**Important information on protection of health and environment, and on safety.****Auto-ignition temperature:** Not determined**Explosive properties:** Product does not present an explosion hazard.**Cloud point / clarification point:****Oxidising properties** Not oxidising**Evaporation rate** Not determined**Information with regard to physical hazard classes**

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Flammable liquid and vapour.
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity**10.1 Reactivity** Stable under normal conditions**10.2 Chemical stability** Material is stable under normal conditions.**Thermal decomposition / conditions to be avoided** Stable at environment temperature.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid**

Avoid heat, flames, sparks, other sources of ignition.

(Contd. on page 9)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

(Contd. of page 8)

Avoid high temperatures and direct sunlight.

10.5 Incompatible materials Oxidizing agents**10.6 Hazardous decomposition products** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:**ATE (Acute Toxicity Estimates)**

Dermal	LD50	99,415 mg/kg
--------	------	--------------

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Oral	LD50	>15,000 mg/kg (rat)
------	------	---------------------

Dermal	LD50	>3,400 mg/kg (rat)
--------	------	--------------------

CAS: 1330-20-7 Xylene mixture of isomers

Oral	LD50	4,300 mg/kg (rat)
------	------	-------------------

Dermal	LD50	1,700 mg/kg (rabbit)
--------	------	----------------------

Inhalative	LC50 (4h)	5,000 ppm (rat)
------------	-----------	-----------------

CAS: 75-09-2 dichloromethane

Oral	LD50	1,600 mg/kg (rat)
------	------	-------------------

Inhalative	LC50/4 h (vapour)	88 mg/l (rat)
------------	-------------------	---------------

Skin corrosion/irritation

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Method: OECD Guideline 404 (Acute Dermal Irritation/Corrosion)

Species: Rabbits

Amount/concentration applied: 0.5ml undiluted

Observation period: 4h

Results: Not irritating

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Method: In vivo. OECD Guideline 405 (Acute Eye Irritation/Corrosion)

Species: Rabbits

Amount/concentration applied: 0.1ml

Observation period: 72h

Results: Not irritating

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity**

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Fertility

From summarized key studies:

Read across: OECD TG413-Stoddart Solvent IIC-No indication-NOAEC (fertility) ≥ 2200 mg/m³Read across: OECD TG413-Decalin-No indication-NOAEC (fertility) ≥ 400 ppmRead across: JP-8 fuel (C9-C16 aliphatics, 25% aromatics), OECD TG415-oral-NOAEL ≥ 3000 mg/kg/day

(Contd. on page 10)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

(Contd. of page 9)

Read across:JP-8 fuel (C9-C16 aliphatics, 25% aromatics), OECD TG415-oral-NOAEL \geq 1500 mg/kg/day

Developmental

From summarized key studies:

OECD TG414-No treatment-related adverse effects to maternal and fetal development. NOAEC for maternal and developmental toxicity was $>$ 300 ppm (highest dose tested).OECD TG414- C9-C11, normal, isoalkanes, cyclics. $<$ 2% Aromatics NOAECs \geq 900ppmOECD TG414- C9 aromatic naphtha. Both maternal and fetal NOAECs ranged from 100 to 300 ppm (500-1500 mg/m³)

OECD TG414- JP-8 fuel -NOAEL: 1000 mg/kg/day

OECD TG414- C10-C10-C12 Aromatic solvent -No adverse fetal effects. Maternal NOAEL: 150 mg/kg/day, developmental NOAEL $>$ 450 mg/kg/day

Based on available data, the classification criteria are not met.

STOT-single exposure

The product is classified as Specific Target Organ Toxicity after single exposure Category 3

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Affected organs: Central Nervous System

Route of exposure: Inhalation

May cause drowsiness or dizziness.

STOT-repeated exposure

The product is classified as Specific Target Organ Toxicity after repeated exposure Category 1

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Oral 90d – NOAEL \geq 1056 mg/kg (1,28 ml/kg) for rats (similar to OECD TG 408)Dermal 90d – NOAEL \geq 495 mg/kg bw (similar to OECD TG 411)Inhalation 90d – NOAEL \geq 690 ppm for rats (similar to OECD TG 413)

Affected organs: Central Nervous System

Route of exposure: Inhalation

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

The product is classified Aspiration toxicity Category 1

May be fatal if swallowed and enters airways.

11.2 Information on other hazards**Endocrine disrupting properties**

None of the ingredients is listed.

*** SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:**

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Short-term toxicity to fish: 96-h LL50=10-30 mg/L with rainbow trout, Oncorhynchus mykiss

Long-term toxicity to fish: Estimated freshwater fish 28-d NOELR=0.13 mg/l based on growth

Short-term toxicity to aquatic invertebrates: 48-h EL50=10-22 mg/l with Daphnia

Long-term toxicity to aquatic invertebrates: 21-d NOELR (based on reproduction)=0.28 mg/l. Daphnia magna exposed to hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) in two separate studies.

Toxicity to aquatic algae and cyanobacteria: Algal cultures exposed to water accommodated fractions (WAFs) of hydrocarbons, C9-C12, isoalkanes, cyclics, aromatics (2-25%) in two separate studies.

72-h EL50=4,1 and 4,6-10 mg/l, respectively.

72-h NOELR (for growth rate)=0,76 and 0,22 mg/l, respectively.

Toxicity to microorganisms: Estimated protozoan, Tetrahymena pyriformis, 48-h EL50=43,98 mg/l based on growth inhibition.

(Contd. on page 11)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

(Contd. of page 10)

CAS: 1330-20-7 Xylene mixture of isomers

EC50 (48h)	>7.4 mg/l (daphnia magna)
LC50 (96h)	2.6 mg/l (fis)
NOEC r (72h)	440 mg/l (algae)

12.2 Persistence and degradability

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Persistence Assessment

The substance is readily biodegradable and therefore based on initial persistence screening is not expected to meet the Persistent (P) or very Persistent (vP) criteria.

Hydrolysis: The chemical constituents that comprise hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), consist entirely of carbon and hydrogen and do not contain hydrolysable groups. As such, they have a very low potential to hydrolyze. Therefore, this degradative process will not contribute to their removal from the environment.

Phototransformation in water and soil: This substance has not the potential to undergo photolysis in water and soil, and this fate process will not contribute to a measurable degradation of this substance from the environment.

Biodegradation

in water: Readily biodegradable

12.3 Bioaccumulative potential No further relevant information available.**12.4 Mobility in soil**

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

It evaporates readily from surface soil and water. It can penetrate soil until reaching ground water, where the most soluble components will spread. Degradation occurs extremely slowly under anaerobic conditions.

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.**12.7 Other adverse effects****Remark:** Toxic for fish**Additional ecological information:****General notes:**

Also poisonous for fish and plankton in water bodies.

The product contains materials that are harmful to the environment.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

(Contd. on page 12)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

(Contd. of page 11)

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information**

14.1 UN number or ID number
ADR, IMDG, IATA

UN1993

14.2 UN proper shipping name
ADR

1993 FLAMMABLE LIQUID, N.O.S.,
 ENVIRONMENTALLY HAZARDOUS
IMDG FLAMMABLE LIQUID, N.O.S., MARINE
 POLLUTANT
IATA FLAMMABLE LIQUID, N.O.S.

14.3 Transport hazard class(es)**ADR, IMDG**

Class
Label

3 Flammable liquids.
 3

IATA

Class
Label

3 Flammable liquids.
 3

14.4 Packing group
ADR, IMDG, IATA

III

14.5 Environmental hazards:
Marine pollutant:

Environmental Hazardous
 Yes
 Symbol (fish and tree)
Special marking (ADR): Symbol (fish and tree)

14.6 Special precautions for user
Stowage Category

Warning: Flammable liquids.
 A

14.7 Maritime transport in bulk according to IMO
instruments

Not applicable.

(Contd. on page 13)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

(Contd. of page 12)

Transport/Additional information:**ADR****Limited quantities (LQ)**

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

IMDG**Limited quantities (LQ)**

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":UN1993, FLAMMABLE LIQUID, N.O.S.,
ENVIRONMENTALLY HAZARDOUS, 3, III

*

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

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Directive 2012/18/EU**Named dangerous substances - ANNEX I** Substance is not listed.**Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 59**National regulations:****Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

It doesn't contain substances of very high concern (SVHC).

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 14)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

(Contd. of page 13)


Relevant phrases

H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H331 Toxic if inhaled.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H351 Suspected of causing cancer.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

Training hints

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

Department issuing SDS:

SUST  SUSTCHEM S.A.
CHEM REACH & Chemical Services Department
 CONSULTING A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece
 T: +30 210 8252510 | F: +30 210 8252575
 W: www.sustchem.gr | E: info@suschem.gr

Contact:

Kalogeropoulos Chemicals S.A.
 e-mail: info@kalochem.gr

Version number of previous version: 4**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Acute Tox. 3: Acute toxicity – Category 3
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Carc. 2: Carcinogenicity – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

(Contd. on page 15)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 03.11.2021

Version number 5 (replaces version 4)

Revision: 03.11.2021

Trade name: PENETRATE OIL KL795

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

(Contd. of page 14)

*** Data compared to the previous version altered.**

GB