

## SAFETY DATA SHEET

## Multiolie Ltr CA-240

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

## 1.1. Product identifier

## Trade name

Multiolie Ltr CA-240

## Unique formula identifier (UFI)

EM7P-CHXY-T6S6-5NAM

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

## Relevant identified uses of the substance or mixture

Lubricant

## Use descriptors (REACH)

Sectors of use	Description
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
LCS "C"	Consumer uses: Private households (= general public = consumers)
Product category	Description
PC 24	Lubricants, Greases and Release Products
Process category	Description
PROC 4	Use in batch and other PROC ess (synthesis) where opportunity for exposure arises
Environmental release category	Description
ERC 8a	Wide dispersive indoor use of processing aids in open systems

## Uses advised against

None known.

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

## Company and address

## Pureno A/S

Gefionsvej 20  
3400 Hillerød  
Denmark  
+45 70 260 267

## Contact person

Lars Skaarup

## E-mail

ls@pureno.dk

## Revision

30/10/2024

## SDS Version

1.0

## 1.4. Emergency telephone number

Contact the poison hotline: +45 82 12 12 12 (24 hour service)

See section 4 "First aid measures".

## SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP).

## 2.1. Classification of the substance or mixture

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

Eye Irrit. 2; H319, Causes serious eye irritation.

## 2.2. Label elements

## Hazard pictogram(s)



## Signal word

Danger

## Hazard statement(s)

May be fatal if swallowed and enters airways. (H304)

Causes serious eye irritation. (H319)

## Precautionary statement(s)

## General

If medical advice is needed, have product container or label at hand. (P101)

Keep out of reach of children. (P102)

## Prevention

Wash hands thoroughly after handling. (P264)

Wear eye protection/protective gloves/protective clothing. (P280)

## Response

IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310)

Do NOT induce vomiting. (P331)

## Storage

Store locked up. (P405)

## Disposal

Dispose of contents/container in accordance with local regulation (P501)

## Hazardous substances

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics

## Additional labelling

UFI: EM7P-CHXY-T6S6-5NAM

## 2.3. Other hazards

## Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

## SECTION 3: Composition/information on ingredients

## 3.1. Substances

Not applicable. This product is a mixture.

## 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS No.: EC No.: 918-481-9 REACH: 01-2119457273-39-XXXX Index No.:	25-40%	EUH066 Asp. Tox. 1, H304	
Alcohols, C9-11, ethoxylated	CAS No.: 68439-46-3 EC No.: 614-482-0 REACH: 01-2119980051-45-XXXX Index No.:	1-3%	Acute Tox. 4, H302 Eye Dam. 1, H318	[19]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

## Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

#### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

#### Burns

Not applicable.

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

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

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

IF exposed or concerned:

Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the chemical emergency services on 72 85 20 00 (24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

Contaminated areas may be slippery.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

##### Recommended storage material

Always store in containers of the same material as the original container.

##### Storage conditions

> 0°C

##### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

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

This product should only be used for applications quoted in section 1.2.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

##### DNEL

Alcohols, C9-11, ethoxylated

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1250 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	2080 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	87 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	294 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	25 mg/kg bw/day

##### PNEC

Alcohols, C9-11, ethoxylated

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		103.79 µg/L
Freshwater sediment		13.7 mg/kg
Intermittent release (freshwater)		14 µg/L
Marine water		103.79 µg/L
Marine water sediment		13.7 mg/kg
Sewage treatment plant		1.4 mg/L
Soil		1 mg/kg

#### 8.2. Exposure controls

Apply general control to prevent unnecessary exposure

##### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

##### Exposure scenarios

There are no exposure scenarios implemented for this product.

## Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

## Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

## Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

## Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

## Individual protection measures, such as personal protective equipment

### Generally

Use only CE marked protective equipment.

### Respiratory Equipment

Work situation	Type	Class	Colour	Standards
When developing vapour, use respiratory protection with approved filter	Normally, personal respiratory equipment is not necessary			

### Skin protection

Recommended	Type/Category	Standards
Dedicated work clothing should be worn	-	-



### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0.3	> 60	EN374-2, EN374-3, EN388



### Eye protection

Type	Standards
Safety glasses with side shields.	EN166



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

Colourless

#### Odour / Odour threshold

Characteristic

#### pH

No relevant or available data due to the nature of the product.

#### Density (g/cm<sup>3</sup>)

0.8

#### Kinematic viscosity

No relevant or available data due to the nature of the product.

#### Particle characteristics

Does not apply to liquids.

### Phase changes

#### Melting point/Freezing point (°C)

No relevant or available data due to the nature of the product.

#### Softening point/range (°C)

Does not apply to liquids.

#### Boiling point (°C)

No relevant or available data due to the nature of the product.

#### Vapour pressure

No relevant or available data due to the nature of the product.

#### Relative vapour density

No relevant or available data due to the nature of the product.

#### Decomposition temperature (°C)

No relevant or available data due to the nature of the product.

### Data on fire and explosion hazards

#### Flash point (°C)

No relevant or available data due to the nature of the product.

#### Flammability (°C)

No relevant or available data due to the nature of the product.

#### Auto-ignition temperature (°C)

No relevant or available data due to the nature of the product.

#### Lower and upper explosion limit (% v/v)

No relevant or available data due to the nature of the product.

### Solubility

#### Solubility in water

No relevant or available data due to the nature of the product.

#### n-octanol/water coefficient (LogKow)

No relevant or available data due to the nature of the product.

#### Solubility in fat (g/L)

No relevant or available data due to the nature of the product.

### 9.2. Other information

#### Other physical and chemical parameters

No data available.

#### Oxidizing properties

No relevant or available data due to the nature of the product.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Product/substance	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5000 mg/kg ·

Product/substance	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics
Species:	Rat
Route of exposure:	Dermal
Test:	LD50

Result: >2000 mg/kg ·

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics  
 Species: Rat  
 Route of exposure: Inhalation  
 Test: LC50  
 Result: >5000 mg/kg 4 h ·

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

Causes serious eye irritation.

#### Respiratory sensitisation

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

#### 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

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

#### STOT-single exposure

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

#### STOT-repeated exposure

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

#### Aspiration hazard

May be fatal if swallowed and enters airways.

### 11.2. Information on other hazards

#### Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs.  
 Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

#### Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

#### Other information

None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics  
 Species: Fish  
 Duration: 96 hours  
 Test: LC50  
 Result: >1000 mg/l ·

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics  
 Species: Algae  
 Duration: No data available.  
 Test: EC50  
 Result: >1000 mg/l ·

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics  
 Species: Daphnia  
 Duration: 24 hours  
 Test: EC50  
 Result: >1000 mg/l ·

### 12.2. Persistence and degradability

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics  
 Result: 80  
 Conclusion: Readily biodegradable

Test: OECD 301 D

### 12.3. Bioaccumulative potential

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

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

### 12.7. Other adverse effects

None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (\*)  
Dispose of contents/container to an approved waste disposal plant.  
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

#### EWC code

20 01 13\* Solvents

#### Waste group

Gr. C Waste with high energy content

#### Specific labelling

Not applicable.

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

#### Additional information

Not dangerous goods according to ADR, IATA and IMDG.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Maritime transport in bulk according to IMO instruments

No data available.

## SECTION 15: Regulatory information

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

#### Restrictions for application

People under the age of 18 shall not be exposed to this product.

#### Demands for specific education

No specific requirements.

#### SEVESO - Categories / dangerous substances

Not applicable.

#### Additional information

Not applicable.



## Sources

The Danish Working Environment Authority's executive order no. 1049 of 30 May 2021 on young people's work.  
Based on Council Directive 94/33 / EC of 22 June 1994 on the protection of young people at work.  
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.  
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 (CLP).  
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).

## 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### Full text of H-phrases as mentioned in section 3

H302, Repeated exposure may cause skin dryness or cracking.  
H302, Harmful if swallowed.  
H304, May be fatal if swallowed and enters airways.  
H318, Causes serious eye damage.

### The full text of identified uses as mentioned in section 1

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
LCS "C" = Consumer uses: Private households (= general public = consumers)  
PROC 4 = Use in batch and other PROC ess (synthesis) where opportunity for exposure arises  
PC 24 = Lubricants, Greases and Release Products  
ERC 8a = Wide dispersive indoor use of processing aids in open systems

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne (European conformity)  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EuPCS = European Product Categorisation System  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
GWP = Global warming potential  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

**Additional information**

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

**The safety data sheet is validated by**

Lisbet Tetsche

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: DK-en