

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

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## Multi Tech PTFE 11

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

#### 1.1. Product identifier

Trade name/designation:

Multi Tech PTFE 11

Article No.:

T315002

UFI:

X1XW-9HJ1-HC02-145N

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

Use of the substance/mixture:

Lubricating agent

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

Supplier:

**KANDO Service GmbH**

Hartleitnerstraße 3

4653 Eberstalzell

Austria

Telephone: +43 (0) 7241 213 79

E-mail: msds@kando.eu

#### 1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

Additional information:

This mixture does not present a physical risk. See recommendations on other products on site.

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



**GHS08**

Health hazard

Signal word: Danger

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### Hazard components for labelling:

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

#### Hazard statements for health hazards

H304	May be fatal if swallowed and enters airways.
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#### Hazard statements for environmental hazards

H412	Harmful to aquatic life with long lasting effects.
------	--

#### Supplemental hazard information

EUH066	Repeated exposure may cause skin dryness or cracking.
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#### Precautionary statements Prevention

P260	Do not inhale mist, vapour.
------	-----------------------------

P271	Use only outdoors or in a well-ventilated area.
------	---

P273	Avoid release to the environment.
------	-----------------------------------

#### Precautionary statements Response

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

P331	Do NOT induce vomiting.
------	-------------------------

### 2.3. Other hazards

#### Other adverse effects:

The mixture does not contain any substance of very high concern (SVHC)  $\geq 0.1$  % published by the European Chemical Agency (ECHA) according to Article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>. The mixture does not meet the criteria applied to PBT and vPvB mixtures, according to Annex XIII of REACH Directive (EC) No 1907/2006. The mixture does not contain any substance  $\geq 0.1\%$  that is classified as a substance of very high concern (SVHC) according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 has endocrine disrupting properties.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
EC No.: 926-141-6 REACH No.: 01-2119456620-43	<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b> Asp. Tox. 1 (H304) Danger	25 - < 50 Vol-%
CAS No.: 80939-62-4 EC No.: 279-632-6 REACH No.: 01-2119976322-36	<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> Aquatic Chronic 3 (H412), Eye Irrit. 2 (H319), Skin Irrit. 2 (H315) Warning	1 - < 2.5 Vol-%
CAS No.: 34140-91-5 EC No.: 251-846-4 REACH No.: 01-2119974119-29	<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> Aquatic Acute 1 (H400), Aquatic Chronic 2 (H411), Eye Irrit. 2 (H319), STOT RE 2 (H373), Skin Irrit. 2 (H315) Warning M-factor (acute): 10	1 - < 2.5 Vol-%
	<b>2-Propenoic Acid, 2-Methyl-, C10-20 Alkyl Esters, Polymers with Methacrylate</b> Eye Irrit. 2 (H319) Warning	1 - < 2.5 Vol-%

Full text of H- and EUH-phrases: see section 16.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information:**

When in doubt or if symptoms are observed, get medical advice.  
Never give anything by mouth to an unconscious person or a person with cramps.

**Following inhalation:**

Remove casualty to fresh air and keep warm and at rest.  
Consult a doctor if symptoms persist.

**In case of skin contact:**

Remove soiled and soaked clothing and wash skin thoroughly with soap and water or a suitable detergent. Check for product residues between skin and clothing, wristwatch, shoes, etc. In the event of extensive contamination and/or injury to the skin, a doctor must be consulted or the affected person transferred to hospital. In case of irritation, consult a doctor.

**After eye contact:**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.  
Consult a doctor if symptoms persist.

**Following ingestion:**

Do not allow anything to be taken by mouth.  
If small amounts are ingested (not more than one sip), rinse mouth with water and consult a doctor.  
Do NOT induce vomiting. Keep at rest.  
Consult a doctor and show him the label.

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

See section 11.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

Non-flammable.  
Water mist, Foam, ABC-powder, BC-powder, Carbon dioxide

**Unsuitable extinguishing media:**

Water jet

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

In case of fire, dense black smoke is often produced. Exposure to decomposition products can be harmful to health. Do not inhale smoke.

**Hazardous combustion products:**

Carbon monoxide, carbon dioxide, Varied hydrocarbons, aldehydes

#### 5.3. Advice for firefighters

Due to the toxicity of the gases produced during thermal decomposition, use self-contained breathing apparatus (insulating equipment). Collect contaminated extinguishing water separately. Do not empty it into the pipes. Cool tanks and parts exposed to heat flow that are not on fire with water. Remove all sources of ignition.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

Follow protective measures in sections 7 and 8.  
Avoid contact with eyes and skin.

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### 6.1.2. For emergency responders

#### Personal protection equipment:

Wear personal protection equipment (refer to section 8).

### 6.2. Environmental precautions

Stop and collect leaks or spills with liquid-binding, non-combustible material, e.g.: Sand, earth, universal binder, diatomaceous earth in drums for disposal of waste. Prevent entry into drains or watercourses.

If the product pollutes watercourses, rivers or sewage systems, inform the competent authorities in accordance with the prescribed procedure. Set up canisters for disposal of waste generated in accordance with applicable regulations (see section 13).

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

#### For cleaning up:

Preferably clean with a detergent, do not use organic solvents.

### 6.4. Reference to other sections

See section 7 for further information on safe handling.

For further information on personal protective equipment: see section 8.

For further information on disposal: see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

#### Advices on safe handling:

Precautions for safe handling:

Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse.

Ensure good ventilation/extraction at the workplace. Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Advices on safe handling:

For personal protection, see section 8. Observe label information and occupational health and safety regulations. Do not inhale aerosol. Avoid inhalation of vapours. Carry out any industrial work with possible formation of vapours/mist etc. in closed apparatus. Provide vapour extraction at the source of emission and general room ventilation. In addition, provide suitable respiratory protective equipment for short-term work and emergency interventions. Always collect emissions at source. Do not allow mixture to come into contact with skin and eyes. Store opened packaging carefully closed and upright.

Improper equipment and method of operation:

Smoking, eating and drinking are prohibited in the premises where the mixture is used. Never open packages with pressure.

#### Fire prevent measures:

Use only outdoors or in a well-ventilated area.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Prevent access for unauthorised persons.

#### Advices on general occupational hygiene

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

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

#### Requirements for storage rooms and vessels:

Keep only in the original container in a cool, well-ventilated place.

The floor must be impermeable and form a catch basin so that no liquid can leak out in the event of an unforeseen spillage.

#### Hints on storage assembly:

Keep away from food, drink and animal feed.

#### Further information on storage conditions:

Store away from heat, weather, moisture and frost.

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### 7.3. Specific end use(s)

#### Recommendation:

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

No data available

#### 8.1.2. Biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> CAS No.: 80939-62-4 EC No.: 279-632-6	0.2 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> CAS No.: 80939-62-4 EC No.: 279-632-6	0.05 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects
<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> CAS No.: 80939-62-4 EC No.: 279-632-6	0.03 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> CAS No.: 80939-62-4 EC No.: 279-632-6	0.01 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> CAS No.: 80939-62-4 EC No.: 279-632-6	0.01 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4	0.0984 g/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4	0.0174 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4	14 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4	5 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4	5 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
Substance name	PNEC Value	① PNEC type
<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> CAS No.: 80939-62-4 EC No.: 279-632-6	0.001 mg/L	① PNEC aquatic, freshwater
<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> CAS No.: 80939-62-4 EC No.: 279-632-6	0.0001 mg/L	① PNEC aquatic, marine water
<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> CAS No.: 80939-62-4 EC No.: 279-632-6	1 mg/L	① PNEC sewage treatment plant
<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> CAS No.: 80939-62-4 EC No.: 279-632-6	4.3572 mg/kg	① PNEC sediment, freshwater
<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> CAS No.: 80939-62-4 EC No.: 279-632-6	0.43572 mg/kg	① PNEC sediment, marine water
<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> CAS No.: 80939-62-4 EC No.: 279-632-6	0.868292 mg/kg	① PNEC soil
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4	6.46 µg/L	① PNEC aquatic, freshwater
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4	0.646 µg/L	① PNEC aquatic, marine water
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4	204 mg/kg	① PNEC sediment, freshwater
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4	20.4 mg/kg	① PNEC sediment, marine water
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4	9.93 mg/kg	① PNEC soil

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Substance name	PNEC Value	① PNEC type
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4	4.1 µg/L	① PNEC aquatic, intermittent release

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Use clean and properly maintained personal protective equipment. Keep personal protective equipment in a clean place, away from the work area. Do not eat, drink or smoke during use. Remove and wash contaminated clothing before reuse. Provide adequate ventilation, especially in enclosed spaces.

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

Avoid contact with eyes. Use eye protection against liquid splashes. Safety goggles complying with standard EN 166 must be worn at all times during use.

##### Skin protection:

Hand protection:

Use suitable chemical-resistant protective gloves according to standard EN ISO 374-1. Gloves must be chosen according to the use and duration of use in the workplace. Protective gloves must be chosen according to the workplace: other chemicals could be changed, physical protection required (cutting, pricking, thermal protection), dexterity required.

Glove material:

PVC (polyvinyl chloride)

NBR (Nitrile rubber)

Body protection:

Avoid prolonged skin contact.

Wear suitable protective clothing when working.

Personnel must wear regularly washed work clothes. After contact with the product, all soiled parts of the body must be washed.

##### Respiratory protection:

Respiratory protection in case of release of vapours/aerosols: combination filter against gases/vapours of organic compounds and against solid and liquid particles (e.g. EN 14387 type A-P2).

##### Other protection measures:

Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Ensure good ventilation/extraction at the workplace.

#### 8.2.3. Environmental exposure controls

No data available

### 8.3. Additional information

No further relevant information available.

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** Liquid

**Colour:** yellow

**Odour:** not determined

**Odour threshold:** not determined

#### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	No data available		
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	No data available		

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Parameter	Value	at °C	① Method ② Remark
Flash point	> 60 - ≤ 93 °C		
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	No data available		
Vapour pressure	No data available		
Vapour density	No data available		
Density	No data available		
Relative density	0.87		
Bulk density	not applicable		
Water solubility	practically insoluble		
Dynamic viscosity	No data available		
Kinematic viscosity	> 14 - ≤ 20.5 mm <sup>2</sup> /s	40 °C	

### 9.2. Other information

No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No further relevant information available.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

At high temperatures, the mixture may release hazardous decomposition products, such as carbon monoxide, carbon dioxide, smoke or nitrogen oxide.

### 10.4. Conditions to avoid

Heat, Flame, electrical charge.

Keep away from sources of ignition - No smoking.

### 10.5. Incompatible materials

strong acids, Oxidizing agent

### 10.6. Hazardous decomposition products

Carbon monoxide, Carbon dioxide, Varied hydrocarbons, aldehydes

## SECTION 11: Toxicological information

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

<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b> EC No.: 926-141-6
LD <sub>50</sub> oral: >2,000 mg/kg (Rat)
LD <sub>50</sub> dermal: >2,000 mg/kg (Rabbit)
LC <sub>50</sub> Acute inhalation toxicity (vapour): 5,000 mg/L (Rat)
<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> CAS No.: 80939-62-4 EC No.: 279-632-6
LD <sub>50</sub> oral: >5,000 mg/kg (Rat)
LD <sub>50</sub> dermal: >2,000 mg/kg (Rabbit)
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4
LD <sub>50</sub> oral: >2,000 mg/kg (Rat) OECD 423
LD <sub>50</sub> dermal: >2,000 mg/kg (Rat) OECD 402



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### Acute oral toxicity:

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

### Acute dermal toxicity:

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

### Acute inhalation toxicity:

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

### Skin corrosion/irritation:

May cause an allergic skin reaction.

### Serious eye damage/irritation:

Causes serious eye damage.

### 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:

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:

Prolonged or repeated contact with the mixture may eliminate the natural greasy film of the skin and therefore cause non-allergic contact dermatitis and penetration of the epidermis. Narcotic effects may occur, such as drowsiness, narcotic effect, decreased attention, loss of reflexes, incoordination and dizziness. They may also manifest as severe headache or nausea and lead to decreased judgement, drowsiness, irritability, fatigue or memory impairment.

### Aspiration hazard:

May be fatal if swallowed and enters airways.

Aspiration toxicity leads to serious acute effects, such as chemical-induced pneumonia, lung damage of varying severity, or even death by aspiration.

### Additional information:

Exposure to vapours of the solvent contained in this mixture in excess of the specified exposure limits may cause adverse health effects such as mucous membrane and respiratory tract irritation, kidney, liver and central nervous system disorders. Symptoms/signs include headache, dizziness, nausea, fatigue, muscle pain and in extreme cases unconsciousness.

## 11.2. Information on other hazards

### Endocrine disrupting properties:

None of the ingredients are included.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b> EC No.: 926-141-6
<b>LC<sub>50</sub>:</b> 1,000 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i> )
<b>EC<sub>50</sub>:</b> 1,000 mg/L 2 d (crustaceans, <i>Daphnia magna</i> )
<b>EC<sub>50</sub>:</b> 1,000 mg/L 3 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i> )
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4
<b>LC<sub>50</sub>:</b> 0.13 mg/L 4 d (fish, <i>Danio rerio</i> ) OECD 203
<b>ErC<sub>50</sub>:</b> 0.041 mg/L 3 d (Algae/water plant, <i>Pseudokirchnerella subcapitata</i> ) OECD 201

### Aquatic toxicity:

No further relevant information available.

### Assessment/classification:

No further relevant information available.

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### 12.2. Persistence and degradability

<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b> EC No.: 926-141-6
<b>Biodegradation:</b> Yes, rapidly
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4
<b>Biodegradation:</b> Yes, rapidly

#### Abiotic degradation:

No further relevant information available.

#### Biodegradation:

No further relevant information available.

### 12.3. Bioaccumulative potential

#### Accumulation / Evaluation:

No further relevant information available.

### 12.4. Mobility in soil

No further relevant information available.

### 12.5. Results of PBT and vPvB assessment

<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b> EC No.: 926-141-6
<b>Results of PBT and vPvB assessment:</b> —
<b>Amine, C11-14-verzweigte Alkyl-, Monohexyl- und Dihexylphosphate</b> CAS No.: 80939-62-4 EC No.: 279-632-6
<b>Results of PBT and vPvB assessment:</b> —
<b>oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)</b> CAS No.: 34140-91-5 EC No.: 251-846-4
<b>Results of PBT and vPvB assessment:</b> —

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Endocrine disrupting properties

None of the ingredients are included.

### 12.7. Other adverse effects

Harmful to aquatic life with long lasting effects.

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

#### Waste treatment options

##### Appropriate disposal / Product:

Waste disposal must be carried out without risk to people and the environment, in particular to water, air, soil, fauna and flora. Disposal or recycling in accordance with valid legislation preferably by an authorised waste collector or a specialist waste management company. Do not contaminate soil or groundwater, do not dispose of waste in the environment.

##### Appropriate disposal / Package:

Uncleaned packaging: Only dispose of the container when it is empty. Do not remove the label(s) on the container. Return to an authorised disposal company.

## SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.2. UN proper shipping name</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es)</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.4. Packing group</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.5. Environmental hazards</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.6. Special precautions for user</b>			
not relevant	not relevant	not relevant	not relevant

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

not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

##### Authorisations:

The following directives have been taken into account:

- Regulation (EC) No 1272/2008 as amended as Regulation (EU) No 2021/643 (ATP 16).
- Regulation (EC) No 1272/2008 as amended as Regulation (EU) No 2021/849 (ATP 17)

#### 15.1.2. National regulations

No data available

### 15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
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
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC <sub>50</sub>	Effective Concentration 50%
ECHA	European Chemicals Agency
EN	European Standard
ES	Exposure scenario
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
KG	body weight
LC <sub>50</sub>	Lethal (fatal) Concentration 50%
LD <sub>50</sub>	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)

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NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OEL	Threshold Limit Value
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SVHC	substances of very high concern
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
ZNS	central nervous system

### 16.3. Key literature references and sources for data

No data available

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

### 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### 16.6. Training advice

No data available

### 16.7. Additional information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.