

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

1.1. Product identifier

Product form : Mixed
Trade name : **OLTIP 121 SC**
Product group : Commercial product

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

1.2.1. Relevant Identified Uses

Use of the substance / mixture : Lubricant

1.2.2. Uses advised against

No additional information available

1.3. Information on the supplier of the safety data sheet

OTS sarl - Oil Technologies Services
183 avenue du Roule
92200 NEUILLY-SUR-SEINE (France)
Tél. 33 (0) 1 46 40 77 35 - Fax +33 (0) 1 46 40 77 56
E-mail : amc.ots@wanadoo.fr
www.ots-lub.com

1.4. Emergency telephone number

| | |
|------------------|--|
| En France | ORFILA - Tel. +33 1 45 42 59 59 |
|------------------|--|

SECTION 2 : Hazard identification

2.1. Classification of the substance or mixture

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

Unclassified

2.2. Label elements

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

EUH sentences : EUH210 - Safety data sheet available on request

2.3. Other hazards

No additional information available

SECTION 3 : Composition / information on ingredients

3.1. Substance

Not applicable

3.2. Mixed

| Name | Product identifier | % | Classification according to Regulation (EC) No 1272/2008 [CLP] |
|--|--|---------|--|
| Hydrocarbons, C12-C16, n-alkanes, isoalkanes * | | 5 - 10 | Asp. Tox. 1, H304 |
| Triethyl phosphate | (CAS No.) 78-40-0 (EC number) 201-114-5 | 5 - 10 | Acute Tox. 4 (Oral), H302 |
| butylglycol | (CAS No.) 111-76-2 (EC number) 203-905-0 (Index number) 603-014-00-0 (REACH N °) 01-2119475108-36 | 1 - 2.5 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| tolyltriazole | (CAS No.) 29385-43-1 (EC number) 249-596-6 | 1 - 2.5 | Acute Tox. 4 (Oral), H302 |

Full text of H-phrases: see section 16

Remarks : * Contains one or more of the following EC numbers : Hydrocarbons, C12-C16, n-alkanes, isoalkanes: CE920-107-4 (Reg.No. 01-2119453414-43); CE265-149-8; CE921-050-8 (Reg.No. 01-2119485032-45); CE934-954-2 (Reg.No. 01-2119826592-36)

SECTION 4 : First aid

4.1. Description of first aid

General First Aid : In all cases of doubt, or if symptoms persist, seek medical attention.

First aid after inhalation : If you feel unwell as a result of exposure, immediately move the victim to fresh air. Consult a doctor if breathing difficulties persist.

First aid after skin contact : Wash contaminated clothing before reuse. Wash thoroughly with soap and water. Consult a physician if indisposition or irritation develops.

First aid after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. In case of contact with eyes, rinse immediately with clear water for 10-15 minutes. Consult an ophthalmologist.

First aid after ingestion : Do not induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). Call a POISON CENTER or doctor immediately. Never give anything by mouth to an unconscious person.

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

| | |
|--|--|
| Symptoms / lesions after inhalation | : Symptoms may include dizziness, headache , nausea, and loss of motor skills. |
| Symptoms / injuries after skin contact | : Prolonged or repeated contact may cause dermatitis. Rash / dermatitis. Redness. Itching. |
| Symptoms / lesions after eye contact | : May cause mild irritation. Redness. Pain. |

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

Symptomatic treatment.

SECTION 5 : Fire fighting measures

5.1. Extinguishing media

| | |
|---------------------------------|--|
| Suitable extinguishing media | : Dry powder. Foam. Sand. AFFF foam . Water spray. Carbon dioxide. |
| Unsuitable extinguishing agents | : Do not use a jet of water. |

5.2. Special hazards arising from the substance or mixture

| | |
|----------------------------|---|
| Reactivity in case of fire | : In case of combustion: release of gases / vapors (very) toxic. Oxides of carbon (CO, CO ₂). |
|----------------------------|---|

5.3. Advice to firefighters

| | |
|---------------------------|--|
| Firefighting instructions | : Cool exposed containers by spraying or water fog. Prevent fire-fighting wastewater from contaminating the environment. Be careful when fighting any chemical fire. |
| Fire protection | : Do not enter fire area without protective equipment, including respiratory protection. Self-contained breathing apparatus. |

SECTION 6 : Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-helpers

| | |
|----------------------|--|
| Protective gear | : See section 8 for personal protection to be used. Wear protective clothing and appropriate gloves. |
| Emergency procedures | : Keep superfluous staff away. Blot with inert absorbent material (eg sand, sawdust, universal binder, silica gel). Ensure adequate ventilation. |

6.1.2. For rescuers

| | |
|----------------------|--|
| Protective gear | : Wear protective clothing and appropriate gloves. Avoid breathing Aerosols, Vapors. Provide adequate protection to cleaning crews. |
| Emergency procedures | : Air the area. Clean up any spills as soon as possible by harvesting with an absorbent product. Seal the leak if it can be done safely. |

6.2. Precautions for the protection of the environment

Avoid entering sewers and drinking water. Avoid release into the environment. Notify the authorities if the liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning

Cleaning processes : Clean up any spills as soon as possible by harvesting with an absorbent product. Collect all waste in appropriate and labeled containers and dispose of in accordance with local regulations.

6.4. Reference to other sections

See section 8 for personal protection to be used. For residue disposal refer to section 13: Disposal considerations "".

SECTION 7 : Handling and storage

7.1. Precautions for safe handling

Additional hazards during treatment : Ensure a good grounding.
Precautions for safe handling : Ensure good ventilation of the work area to avoid the formation of vapors. Keep away from sources of ignition - No smoking. Avoid contact with eyes, skin or clothing. Do not eat, drink or smoke where the product is used.
Hygiene measures : Keep away from food and drinks including those for animals. Do not eat, drink or smoke when handling this product. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, and before leaving work. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with the regulations in force.
Storage conditions : Keep away from sources of ignition - No smoking. Keep in the original packaging. Store in a dry, well-ventilated place, away from all sources of ignition, heat and direct sunlight. Keep the container tightly closed. Keep closed containers out of use.
Heat and sources of ignition : No flames, no sparks. Remove any source of ignition.
Common storage bans : Oxidizing agents
Storage area : Protect from heat. Floors must be waterproof , liquid-resistant and easy to clean.
Special requirements concerning packaging : Keep only in the original container.

7.3. Use (s) end (s) special (s)

No additional information available

SECTION 8 : Exposure controls / personal protection

8.1. Control settings

| butylglycol (111-76-2) | | |
|-------------------------------|-----------------------------------|-------------------------|
| EU | Local name | 2-Butoxyethanol |
| EU | IOELV TWA (mg / m ³) | 98 mg / m ³ |
| EU | IOELV TWA (ppm) | 20 ppm |
| EU | IOELV STEL (mg / m ³) | 246 mg / m ³ |
| EU | IOELV STEL (ppm) | 50 ppm |
| EU | Notes | skin |
| la France | Local name | 2-Butoxyethanol |
| la France | VME (mg / m ³) | 49 mg / m ³ |
| la France | VME (ppm) | 10 ppm |
| la France | TLV (mg / m ³) | 246 mg / m ³ |
| la France | TLV (ppm) | 50 ppm |

8.2. Exposure controls

| | |
|--|--|
| individual protection equipment | : Avoid unnecessary exposure. |
| Protective clothing - material selection | : Separate work clothes from street clothes . Clean them separately |
| Hand protection | : Wear suitable gloves resistant to chemicals. Gloves resistant to chemicals (according to standard NF EN 374 or equivalent). Penetration time to be determined with glove manufacturer |
| Eye protection | : Wear eye protection, including goggles and a chemical-resistant face shield, if there is a risk of eye contact by splashing liquid or aerial dusts |
| Skin and body protection | : Wear appropriate protective clothing |
| Respiratory protection | : Avoid the formation of fogs in the atmosphere. If the method of use of the product poses a risk of exposure by inhalation, wear respiratory protective equipment. respirator with combined vapor / particle filter |
| Other information | : Provide extraction or general room ventilation to reduce fog and / or vapor concentrations. |

SECTION 9 : Physical and chemical properties

9.1. Information on essential physical and chemical properties

| | |
|---------------------|---------------------|
| Physical state | : Liquid |
| Color | : Blue (e). |
| Odour | : feature. |
| Olfactory threshold | : No data available |
| pH | : No data available |

| | |
|---|--|
| Relative evaporation rate (butyl acetate = 1) | : No data available |
| Fusion point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : > 100 ° C |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Steam pressure | : No data available |
| Relative density of steam at 20 ° C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| Log Pow | : No data available |
| Kinematic viscosity | : 12 - 15 mm ² / s (40 ° C) |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10 : Stability and responsiveness

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable at room temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Any source of heat as well as direct sunlight. Sparks. Flame bare.

10.5. Incompatible materials

Strong oxidizers. Strong acids. Strong bases.

10.6. Hazardous decomposition products

No additional information available

SECTION 11 : Toxicological information

11.1. Information on toxicological effects

acute toxicity : Unclassified

| Tolytriazole (29385-43-1) | |
|----------------------------------|----------------|
| LD50 oral rat | 720 mg / kg |
| Dermal LD50 rabbit | > 4000 mg / kg |

| butylglycol (111-76-2) | |
|-------------------------------|-----------------|
| LD50 oral rat | > 400 mg / kg |
| DI 50 cutaneous rat | 2270 mg / kg |
| LC50 inhalation rat (mg / l) | > 2 mg / l / 4h |

Skin corrosion / irritation : Unclassified

Serious eye damage / eye irritation : Unclassified

Respiratory or skin sensitization : Unclassified

Germ cell mutagenicity : Unclassified

carcinogenicity : Unclassified

Reproductive toxicity : Unclassified

Specific target organ toxicity (single exposure) : Unclassified

Specific target organ toxicity (repeated exposure) : Unclassified

Aspiration hazard : Unclassified

| OLTIP 121 | |
|---------------------|---------------------------------------|
| Kinematic viscosity | 12 - 15 mm ² / s (40 ° C) |

SECTION 12 : Ecological Information

12.1. Toxicity

| butylglycol (111-76-2) | |
|-------------------------------|---|
| LC50 fish 1 | 1474 mg / l (Oncorhynchus mykiss, 96h) |
| EC50 Daphnie 1 | 1550 mg / l (Daphnia magna, 48h) |
| ErC50 (algae) | 911 mg / l (Pseudokirchneriella subcapitata, 72h) |

12.2. Persistence and degradability

| butylglycol (111-76-2) | |
|-------------------------------|-----------------------|
| Persistence and degradability | Easily biodegradable. |

12.3. Potential for bioaccumulation

| butylglycol (111-76-2) | |
|-------------------------------|-------|
| Potential for bioaccumulation | Any). |

12.4. Mobility in the soil

| butylglycol (111-76-2) | |
|-------------------------------|--------------------------------|
| Ecology - soil | Product very soluble in water. |

12.5. Results of PBT and vPvB assessment

| Component | |
|------------------------|---|
| butylglycol (111-76-2) | This substance / mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance / mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

12.6. Other adverse effects

Additional indications : Do not discharge the product into the environment.
Do not flush into surface water or sanitary sewer

ITEM 13 : Disposal considerations

13.1. Waste treatment methods

Recommendations for waste disposal : Do not discharge into the sewer or into the environment. Dispose of in accordance with local / national safety regulations.

ITEM 14 : Transport information

In accordance with the requirements of ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | IATA | DNA | RID |
|--|------|------|-----|-----|
| 14.1. UN number | | | | |
| The product is not a hazardous product according to the applicable transport regulations. (ADR, RID, IMDG, IATA) | | | | |

| ADR | IMDG | IATA | DNA | RID |
|---|---|------------------------------------|------------------------------------|------------------------------------|
| 14.2. UN proper shipping name | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Class (es) of danger for transport | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine Pollutant : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No |
| No additional information available | | | | |

14.6. Special precautions to be taken by the user

- Land transport

No data available

- Shipping

No data available

- Air transport

No data available

- Inland waterway transport

Prohibited transport (ADN) : No

Not subject to DNA : No

- Rail transport

Transport prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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

15.1.1. EU regulations

Does not contain a restricted substance according to REACH Annex XVII

Does not contain any substances from the REACH candidate list

Contains no substances listed in Annex XIV of REACH

15.1.2. National guidelines

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16 : Other information

Training Tips : Do not use for any purpose other than that for which the product is intended.

Full text of H and EUH sentences :

| | |
|---------------------------|---|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhalation) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Asp. Tox. 1 | Aspiration hazard , Category 1 |
| Eye Irrit. 2 | Serious eye damage / eye irritation, Category 2 |
| Skin Irrit. 2 | Corrosive / skin irritant , Category 2 |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H332 | Harmful by inhalation |
| EUH210 | Safety data sheet available on request |

This information is based on our current knowledge and describes the product for health, safety and environmental purposes only. They should not therefore be interpreted as guaranteeing any specific property of the product .