

**FE66441-Ottimo Fabric Ink & Plus Remover**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier:** FE66441-Ottimo Fabric Ink & Plus Remover

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

Relevant uses: Stain remover. For industrial user only.

Uses advised against: All uses not specified in this section or in section 7.3

**1.3 Details of the supplier of the safety data sheet:**

Ottimo Systems Spółka z ograniczoną odpowiedzialnością Spółka komandytowa  
Młyńska 27  
42-700 Polska - Śląsk - Polska  
Phone.: +48 34 3564815  
biuro@ottimo.pl

**1.4 Emergency telephone number:** Nederland: NVIC Nederland - RIVM, Telefoon (24 h): 030-2748888, België: Antigifcentrum Brussel + 32 70 245 245  
(een arts beantwoordt uw oproep), Centre Anti poison Bruxelles + 32 70 245 245 (un médecin répondra à votre appel)

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture:**

**CLP Regulation (EC) No 1272/2008:**

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Acute Tox. 4: Acute toxicity if swallowed, Category 4, H302

Eye Dam. 1: Serious eye damage, Category 1, H318

Flam. Liq. 3: Flammable liquids, Category 3, H226

STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

**2.2 Label elements:**

**CLP Regulation (EC) No 1272/2008:**

Danger



**Hazard statements:**

H226 - Flammable liquid and vapour

H302 - Harmful if swallowed

H318 - Causes serious eye damage

H336 - May cause drowsiness or dizziness

**Precautionary statements:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P280: Wear protective gloves/protective clothing/eye protection/face protection

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P370+P378: In case of fire: Use ABC powder extinguisher to extinguish

P403+P233: Store in a well-ventilated place. Keep container tightly closed

P403+P235: Store in a well-ventilated place. Keep cool

P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively

**Supplementary information:**

EUH066: Repeated exposure may cause skin dryness or cracking

**Substances that contribute to the classification**

N-butyl acetate (CAS: 123-86-4); Isodecanpolyethyleneglycol (CAS: 61827-42-7)

**2.3 Other hazards:**

Product fails to meet PBT/vPvB criteria

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

- CONTINUED ON NEXT PAGE -

**FE66441-Ottimo Fabric Ink & Plus Remover**



**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**

**3.1 Substance:**

Non-applicable

**3.2 Mixture:**

**Chemical description:** Mixture composed of chemical products

**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification  | Chemical name/Classification   | Concentration        |
|---|--|----------------------|
| CAS: 123-86-4<br>EC: 204-658-1<br>Index: 607-025-00-1<br>REACH: 01-2119485493-29-XXXX   | <b>N-butyl acetate</b> <input type="checkbox"/> <sup>1</sup> <input type="checkbox"/> ATP CLP00                  | <b>50 - &lt;75 %</b> |
|   | Regulation 1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning                                       |                      |
| CAS: 61827-42-7<br>EC: Non-applicable<br>Index: Non-applicable<br>REACH: Non-applicable | <b>Isodecanpolyethyleneglycol</b> <input type="checkbox"/> <sup>1</sup> <input type="checkbox"/> Self-classified | <b>25 - &lt;50 %</b> |
|   | Regulation 1272/2008 Acute Tox. 4: H302; Eye Dam. 1: H318 - Danger   |                      |

<sup>1</sup>  Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

To obtain more information on the hazards of the substances consult sections 8, 11, 12, 15 and 16.

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

**4.2 Most important symptoms and effects, both acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Non-applicable

**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media:**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>). IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

**5.2 Special hazards arising from the substance or mixture:**

- CONTINUED ON NEXT PAGE -

## FE66441-Ottimo Fabric Ink & Plus Remover



### SECTION 5: FIREFIGHTING MEASURES (continued)

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

#### 5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

#### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

#### 6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

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

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

#### 6.4 Reference to other sections:

See sections 8 and 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling:

##### A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

##### B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 94/9/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

##### C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

##### D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

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

##### A.- Technical measures for storage

Minimum Temp.: 5 °C

- CONTINUED ON NEXT PAGE -

**FE66441-Ottimo Fabric Ink & Plus Remover**

**SECTION 7: HANDLING AND STORAGE (continued)**

Maximum Temp.: 30 °C

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace

There are no occupational exposure limits for the substances contained in the product

**DNEL (Workers):**

| Identification                                    |            | Short exposure        |                       | Long exposure         |                       |
|---|------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   |            | Systemic              | Local                 | Systemic              | Local                 |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1 | Oral       | Non-applicable        | Non-applicable        | Non-applicable        | Non-applicable        |
|   | Dermal     | Non-applicable        | Non-applicable        | Non-applicable        | Non-applicable        |
|   | Inhalation | 960 mg/m <sup>3</sup> | 960 mg/m <sup>3</sup> | 480 mg/m <sup>3</sup> | 480 mg/m <sup>3</sup> |

**DNEL (General population):**

| Identification                                    |            | Short exposure          |                         | Long exposure            |                          |
|---|------------|-------------------------|-------------------------|--------------------------|--------------------------|
|   |            | Systemic                | Local                   | Systemic                 | Local                    |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1 | Oral       | Non-applicable          | Non-applicable          | Non-applicable           | Non-applicable           |
|   | Dermal     | Non-applicable          | Non-applicable          | Non-applicable           | Non-applicable           |
|   | Inhalation | 859,7 mg/m <sup>3</sup> | 859,7 mg/m <sup>3</sup> | 102,34 mg/m <sup>3</sup> | 102,34 mg/m <sup>3</sup> |

**PNEC:**

| Identification                                    |              |                |                         |              |
|---|--------------|----------------|-------------------------|--------------|
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1 | STP          | 35,6 mg/L      | Fresh water             | 0,18 mg/L    |
|   | Soil         | 0,0903 mg/kg   | Marine water            | 0,018 mg/L   |
|   | Intermittent | 0,36 mg/L      | Sediment (Fresh water)  | 0,981 mg/kg  |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,0981 mg/kg |



**8.2 Exposure controls:**

A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection



| Pictogram   | PPE                               | Labelling   | CEN Standard        | Remarks  |
|---|-----------------------------------|---|---------------------|--|
| <br>Mandatory respiratory tract protection | Filter mask for gases and vapours |  | EN 405:2001+A1:2009 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

C.- Specific protection for the hands

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**FE66441-Ottimo Fabric Ink & Plus Remover**

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**





| Pictogram  | PPE                                       | Labelling   | CEN Standard  | Remarks  |
|--|---|---|---|--|
| <br>Mandatory hand protection | NON-disposable chemical protective gloves |  | EN ISO 374-1:2016<br>EN 16523-1:2015<br>EN 420:2003+A1:2009 | The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. |

"As the product is a mixture of several substances, the resistance of the glove material can not be predicted in advance with total reliability and has therefore to be checked prior to the application"



D.- Ocular and facial protection

| Pictogram  | PPE         | Labelling   | CEN Standard  | Remarks   |
|--|-------------|---|---|---|
| <br>Mandatory face protection | Face shield |  | EN 166:2001<br>EN 167:2001<br>EN 168:2001<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

E.- Body protection

| Pictogram   | PPE   | Labelling   | CEN Standard  | Remarks   |
|---|---|---|---|---|
| <br>Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties |    | EN 1149-1,2,3<br>EN 13034:2005+A1:2009<br>EN ISO 13982-1:2004/A1:2010<br>EN ISO 6529:2013<br>EN ISO 6530:2005<br>EN ISO 13688:2013<br>EN 464:1994 | For professional use only. Clean periodically according to the manufacturer's instructions. |
| <br>Mandatory foot protection        | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties |  | EN ISO 13287:2012<br>EN ISO 20345:2011<br>EN 13832-1:2019   | Replace boots at any sign of deterioration.   |

F.- Additional emergency measures

| Emergency measure   | Standards                                       | Emergency measure  | Standards                                      |
|---|---|--|--|
| <br>Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | <br>Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

|                           |                                       |
|---------------------------|---------------------------------------|
| V.O.C. (Supply):          | 70 % weight                           |
| V.O.C. density at 20 °C:  | 639,81 kg/m <sup>3</sup> (639,81 g/L) |
| Average carbon number:    | 6                                     |
| Average molecular weight: | 116,2 g/mol                           |

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

|                          |               |
|--------------------------|---------------|
| Physical state at 20 °C: | Liquid        |
| Appearance:              | Not available |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

**FE66441-Ottimo Fabric Ink & Plus Remover**

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

|  |                       |
|--|-----------------------|
| Colour:                                      | Not available         |
| Odour:                                       | Not available         |
| Odour threshold:                             | Non-applicable *      |
| <b>Volatility:</b>                           |                       |
| Boiling point at atmospheric pressure:       | 126 °C                |
| Vapour pressure at 20 °C:                    | 1256 Pa               |
| Vapour pressure at 50 °C:                    | 6156,21 Pa (6,16 kPa) |
| Evaporation rate at 20 °C:                   | Non-applicable *      |
| <b>Product description:</b>                  |                       |
| Density at 20 °C:                            | 914 kg/m <sup>3</sup> |
| Relative density at 20 °C:                   | 0,914                 |
| Dynamic viscosity at 20 °C:                  | Non-applicable *      |
| Kinematic viscosity at 20 °C:                | Non-applicable *      |
| Kinematic viscosity at 40 °C:                | Non-applicable *      |
| Concentration:                               | Non-applicable *      |
| pH:  | Non-applicable *      |
| Vapour density at 20 °C:                     | Non-applicable *      |
| Partition coefficient n-octanol/water 20 °C: | Non-applicable *      |
| Solubility in water at 20 °C:                | Non-applicable *      |
| Solubility properties:                       | Non-applicable *      |
| Decomposition temperature:                   | Non-applicable *      |
| Melting point/freezing point:                | Non-applicable *      |
| Explosive properties:                        | Non-applicable *      |
| Oxidising properties:                        | Non-applicable *      |
| <b>Flammability:</b>                         |                       |
| Flash Point:                                 | 24 °C                 |
| Flammability (solid, gas):                   | Non-applicable *      |
| Autoignition temperature:                    | 421 °C                |
| Lower flammability limit:                    | Not available         |
| Upper flammability limit:                    | Not available         |
| <b>Explosive:</b>                            |                       |
| Lower explosive limit:                       | Non-applicable *      |
| Upper explosive limit:                       | Non-applicable *      |
| <b>9.2 Other information:</b>                |                       |
| Surface tension at 20 °C:                    | Non-applicable *      |
| Refraction index:                            | Non-applicable *      |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

Chemically stable under the conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

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**FE66441-Ottimo Fabric Ink & Plus Remover**

**SECTION 10: STABILITY AND REACTIVITY (continued)**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight            | Humidity       |
|--------------------|------------------|-------------------------|---------------------|----------------|
| Not applicable     | Not applicable   | Risk of combustion      | Avoid direct impact | Not applicable |

**10.5 Incompatible materials:**

| Acids              | Water          | Oxidising materials | Combustible materials | Others                        |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable        | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for skin contact. For more information see section 3.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

G- Specific target organ toxicity (STOT)-repeated exposure:

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**FE66441-Ottimo Fabric Ink & Plus Remover**



**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: Repeated exposure may cause skin dryness or cracking

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

| Identification  | Acute toxicity  |                 | Genus  |
|---|-----------------|-----------------|--------|
|   | LD50 oral       | LD50 dermal     |        |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                   | LD50 oral       | 12789 mg/kg     | Rat    |
|   | LD50 dermal     | 14112 mg/kg     | Rabbit |
|   | LC50 inhalation | 23,4 mg/L (4 h) | Rat    |
| Isodecanpolyethyleneglycol<br>CAS: 61827-42-7<br>EC: Non-applicable | LD50 oral       | 500 mg/kg       |        |
|   | LD50 dermal     | Non-applicable  |        |
|   | LC50 inhalation | Non-applicable  |        |

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the eco-toxicological properties of the product itself is not available

**12.1 Toxicity:**

| Identification                                    | Acute toxicity |                 | Species                 | Genus      |
|---|----------------|-----------------|-------------------------|------------|
|   | LC50           | EC50            |                         |            |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1 | LC50           | 62 mg/L (96 h)  | Leuciscus idus          | Fish       |
|   | EC50           | 73 mg/L (24 h)  | Daphnia magna           | Crustacean |
|   | EC50           | 675 mg/L (72 h) | Scenedesmus subspicatus | Algae      |

**12.2 Persistence and degradability:**

| Identification                                    | Degradability |                | Biodegradability |                |
|---|---------------|----------------|------------------|----------------|
|   | BOD5          | COD            | Concentration    | Period         |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1 | BOD5          | Non-applicable | Concentration    | Non-applicable |
|   | COD           | Non-applicable | Period           | 5 days         |
|   | BOD5/COD      | 0.79           | % Biodegradable  | 84 %           |

**12.3 Bioaccumulative potential:**

| Identification                                    | Bioaccumulation potential |         |
|---|---------------------------|---------|
|   | BCF                       | Pow Log |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1 | BCF                       | 4       |
|   | Pow Log                   | 1.78    |
|   | Potential                 | Low     |

**12.4 Mobility in soil:**

| Identification                                    | Absorption/desorption |                      | Volatility |                |
|---|-----------------------|----------------------|------------|----------------|
|   | Koc                   | Surface tension      | Henry      | Dry soil       |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1 | Koc                   | Non-applicable       | Henry      | Non-applicable |
|   | Conclusion            | Non-applicable       | Dry soil   | Non-applicable |
|   | Surface tension       | 2,478E-2 N/m (25 °C) | Moist soil | Non-applicable |

**12.5 Results of PBT and vPvB assessment:**

Product fails to meet PBT/vPvB criteria

**12.6 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

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**FE66441-Ottimo Fabric Ink & Plus Remover**

**SECTION 13: DISPOSAL CONSIDERATIONS (continued)**

| Code      | Description                                | Waste class (Regulation (EU) No 1357/2014) |
|-----------|--|--|
| 20 01 29* | detergents containing hazardous substances | Dangerous                                  |

**Type of waste (Regulation (EU) No 1357/2014):**

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity, HP4 Irritant — skin irritation and eye damage

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

**SECTION 14: TRANSPORT INFORMATION**

**Transport of dangerous goods by land:**

With regard to ADR 2019 and RID 2019:



- 14.1 UN number:** UN1993
- 14.2 UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (N-butyl acetate)
- 14.3 Transport hazard class(es):** 3
- Labels:** 3
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**
  - Special regulations: 274
  - Tunnel restriction code: D/E
  - Physico-Chemical properties: see section 9
  - Limited quantities: 5 L
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by sea:**

With regard to IMDG 38-16:



- 14.1 UN number:** UN1993
- 14.2 UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (N-butyl acetate)
- 14.3 Transport hazard class(es):** 3
- Labels:** 3
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**
  - Special regulations: 274, 223, 955
  - EmS Codes: F-E, S-E
  - Physico-Chemical properties: see section 9
  - Limited quantities: 5 L
  - Segregation group: Non-applicable
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2019:

- CONTINUED ON NEXT PAGE -

**FE66441-Ottimo Fabric Ink & Plus Remover**

**SECTION 14: TRANSPORT INFORMATION (continued)**



|   |  |
|---|--|
| <b>14.1 UN number:</b>  | UN1993                                     |
| <b>14.2 UN proper shipping name:</b>  | FLAMMABLE LIQUID, N.O.S. (N-butyl acetate) |
| <b>14.3 Transport hazard class(es):</b>   | 3  |
| Labels:   | 3  |
| <b>14.4 Packing group:</b>  | III  |
| <b>14.5 Environmental hazards:</b>  | No   |
| <b>14.6 Special precautions for user</b>  |  |
| Physico-Chemical properties:  | see section 9                              |
| <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:</b> | Non-applicable                             |

**SECTION 15: REGULATORY INFORMATION**

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable  
Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable  
Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable  
Article 95, REGULATION (EU) No 528/2012: Non-applicable  
REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Regulation (EC) No 648/2004 on detergents:**

In accordance with this regulation the product complies with the following:

The tensoactives contained in this mixture comply with the biodegradability criteria stipulated in Regulation (EC) n°648/2004 on detergents. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

**Seveso III:**

| Section | Description | Lower-tier requirements | Upper-tier requirements |
|---------|-------------|-------------------------|-------------------------|
| P5c     |             | 5000                    | 50000                   |

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

Non-applicable

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products
- Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents
- Commission Regulation (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII
- Commission Regulation (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation)

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION**

**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830)

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

- CONTINUED ON NEXT PAGE -

**SECTION 16: OTHER INFORMATION (continued)**

Non-applicable

**Texts of the legislative phrases mentioned in section 2:**

H336: May cause drowsiness or dizziness

H318: Causes serious eye damage

H302: Harmful if swallowed

H226: Flammable liquid and vapour

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 4: H302 - Harmful if swallowed

Eye Dam. 1: H318 - Causes serious eye damage

Flam. Liq. 3: H226 - Flammable liquid and vapour

STOT SE 3: H336 - May cause drowsiness or dizziness

**Classification procedure:**

STOT SE 3: Calculation method

Eye Dam. 1: Calculation method

Acute Tox. 4: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

**Advice related to training:**

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -