

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.03.2025

Version number 1

Revision: 31.03.2025

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

- **1.1 Product identifier**
- **Trade name: NYLO THINNER**
- **Article number: ZE805**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Printing sundry
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
EU Distributor-FUJIFILM EUROPE BV.
Oudenstaart 1, 5047 TK Tilburg,
Netherlands
Tel: +31 13 579 19 11
- **Further information obtainable from:**
msds_eu@fujifilm.com
Telephone number +49 (0)2102 5364 219
- **1.4 Emergency telephone number:**
DE: Giftinformationszentrum-Nord: Giftnotruf +49 (0) 551-19240
EN: The UK National Poisons Emergency number is 0870 600 6266 (Outside the UK: +44 870 600 6266) NB these services are only available to health professionals
FR: Centre Antipoison et de Toxicovigilance de Paris Tel. +33 1 40 05 48 48
ES: Servicio de Información Toxicológica, Instituto Nacional de Toxicología Tel: +34 91 562 04 20

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS09 environment

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



GHS07

STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02 GHS07 GHS09

- **Signal word** Warning
- **Hazard-determining components of labelling:**
solvent naphtha (petroleum), light arom.

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· Hazard statements

- H226 Flammable liquid and vapour.
 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
 No smoking.
 P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
 P280 Wear protective gloves / eye protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· 2.3 Other hazards**· Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients**· 3.2 Mixtures****· Dangerous components:**

CAS: 64742-95-6 EINECS: 265-199-0 Reg.nr.: 01-2119455851-35	solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336	60-80%
	Glycol monobutyl ether acetate Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	20-30%

· Additional information:

This product does not contain substances of very high concern (SVHC) in a concentration $\geq 0.1\%$ (Regulation (EC) 1907/2006 (REACH), Article 59).
 For information about ingredients with occupational exposure limits see section 8.
 For the wording of the listed hazard phrases refer to section 16.

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

Immediately remove any clothing soiled by the product.
 Do not leave affected persons unattended.

· After inhalation:

Supply fresh air; consult doctor in case of complaints.
 In case of unconsciousness place patient stably in side position for transportation.
 Seek medical treatment.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.
 Do NOT use solvents or thinners.
 Immediately remove any clothing soiled by the product.

· After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.
 Protect unharmed eye.

· After swallowing:

Do not induce vomiting; call for medical help immediately.
 A person vomiting while laying on their back should be turned onto their side.
 Keep warm, position comfortably and cover well.

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- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Metallic inks:
Special powder for metal fires. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Remove persons from danger area.
Keep away from ignition sources.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
Clean the affected area carefully; suitable cleaners are:
Warm water and cleansing agent
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Avoid close or long term contact with the skin.
Wash hands before breaks and at the end of work.
Do not eat or drink while working.
Avoid contact with the eyes.
See Section 8 for information on personal protection equipment.
- **Information about fire - and explosion protection:**
Prevent impact and friction.
Use explosion-proof apparatus / fittings and spark-proof tools.
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
Wear shoes with conductive soles.
Fumes can combine with air to form an explosive mixture.

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Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store in cool, dry conditions in well sealed receptacles.

Store only in the original receptacle.

- **Information about storage in one common storage facility:**

Do not store together with oxidising and acidic materials.

- **Further information about storage conditions:**

Keep container tightly sealed.

Protect from heat and direct sunlight.

Caution when reopening receptacles with broken seal.

Keep ignition sources away - Do not smoke.

- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

Observe national legislation

Glycol monobutyl ether acetate (20-30%)	
IOELV	Short-term value: 333 mg/m ³ , 50 ppm
	Long-term value: 133 mg/m ³ , 20 ppm
	Skin

- **8.2 Exposure controls**

- **Appropriate engineering controls**

Provide adequate ventilation.

This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation.

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing

Store protective clothing separately.

Avoid contact with the skin.

Do not eat or drink while working.

- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

- **Hand protection**

Protective gloves

Check protective gloves prior to each use for their proper condition.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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

- **Material of gloves** Butyl rubber, BR

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection** Safety glasses

- **Body protection:**

Protective work clothing

Wear shoes with conductive soles.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

· Physical state	Liquid
· Colour:	According to product specification
· Odour:	Specific type
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	162 °C (64742-95-6 solvent naphtha (petroleum), light arom.)
· Flammability	Flammable.
· Lower and upper explosion limit	
· Lower:	1 Vol % (64742-95-6 solvent naphtha (petroleum), light arom.)
· Upper:	8.4 Vol % (Glycol monobutyl ether acetate)
· Flash point:	50 °C
· Auto-ignition temperature:	280 °C (Glycol monobutyl ether acetate)
· Decomposition temperature:	Not determined.
· pH	Mixture is non-polar/aprotic.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	5 hPa (64742-95-6 solvent naphtha (petroleum), light arom.)
· Density and/or relative density	
· Density at 20 °C:	0.9 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

9.2 Other information

· Appearance:	
· Form:	Not determined.
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Not determined.
· Solvent content:	
· Organic solvents:	80-100 %
· Change in condition	
· Evaporation rate	Not determined.

Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void

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· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

The Preparation is classified according to the conventional method (calculation method of the CLP Regulation EEC 1272/2008).

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin.

The liquid splashed in the eyes may cause strong irritation and reversible damage.

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

Glycol monobutyl ether acetate

Oral	LD50	2,400 mg/kg (rat)
Dermal	LD50	1,580 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

The product should not be allowed to enter drains or water courses or the soil.

· 12.1 Toxicity

· Aquatic toxicity:

Glycol monobutyl ether acetate

EC50/72 h	>500 mg/l (algae)
LC50/48 h	80 mg/l (lci)

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- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:** Toxic for aquatic organisms

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue** 08 03 12* waste ink containing dangerous substances
- **Uncleaned packaging:**
- **Recommendation:**
Disposal must be made according to official regulations.
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

- | | |
|---|--|
| <ul style="list-style-type: none"> · 14.1 UN number or ID number · ADR, IMDG, IATA | UN1210 |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG · IATA | 1210 PRINTING INK RELATED MATERIAL,
ENVIRONMENTALLY HAZARDOUS
PRINTING INK RELATED MATERIAL, MARINE
POLLUTANT
PRINTING INK RELATED MATERIAL |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, IMDG | <div style="display: flex; align-items: center; justify-content: center; gap: 20px;">   </div> |
| <ul style="list-style-type: none"> · Class · Label | 3 Flammable liquids.
3 |
| <ul style="list-style-type: none"> · IATA | <div style="display: flex; align-items: center; justify-content: center; gap: 20px;">  </div> |
| <ul style="list-style-type: none"> · Class | 3 Flammable liquids. |

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· Label	3
· 14.4 Packing group · ADR, IMDG, IATA	III
· 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR):	Product contains environmentally hazardous substances: solvent naphtha (petroleum), light arom. Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category	Warning: Flammable liquids. 30 F-E,S-D A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category · Tunnel restriction code	3 D/E
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1210 PRINTING INK RELATED MATERIAL, 3, III, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

No further relevant information available.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

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· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
NK	80-100

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

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

It is always the responsibility of the user to take all necessary steps in order to fulfil the demands laid down in the local rules and legislation.

The information in this MSDS is meant as a description of safety requirements of our product; it is not to be considered as a guarantee of the product's properties.

· **Date of previous version:** 31.03.2025

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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

EU