



# Safety Data Sheet

## INK EDGE SERIE

Safety Data Sheet dated 30/11/2012, edition 2, version 1

---

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

---

#### 1.1. Product identifier

Mixture identification:

Trade name: INK EDGE SERIE

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

Recommended use:

Mixtures for the industrial and/or professional finishing for leather and shoes.

Uses advised against:

Stick to the recommended use.

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

Supplier:

FENICE S.p.A. - V. del Lavoro, 1 - 36078 Valdagno (VI) Italy

FENICE S.p.A. - Tel. +39.0445.424.888

Competent person responsible for the safety data sheet:

ufficio.sicurezza@fenice.com

#### 1.4. Emergency telephone number

FENICE S.p.A. - Tel. +39.0445.424.888 (8:00-12:00; 14:00-17:30)

---

### SECTION 2: Hazards identification

---

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

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

This product is not a hazardous article and need not be labelled according to EC-Directive 67/548, 1999/45 as amended.

No specific hazards are encountered under normal product use.

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

Special Provisions:

Safety data sheet available for professional user on request.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

#### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

---

### SECTION 3: Composition/information on ingredients

---

#### 3.1. Substances

Not available

#### 3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

3% - 5% (2-methoxymethylethoxy)propanol




## Safety Data Sheet INK EDGE SERIE

REACH No.: 01-2119450011-60-XXXX, CAS: 34590-94-8, EC: 252-104-2  
substance with a Community workplace exposure limit

1% - 3% N-ethyl-2-pyrrolidone

REACH No.: 01-2119472138-36-XXXX, CAS: 2687-91-4, EC: 220-250-6

Repr. Cat. 3,Xi; R63-41

 3.3/1 Eye Dam. 1 H318

 3.7/2 Repr. 2 H361d

---

### SECTION 4: First aid measures

---

#### 4.1. Description of first aid measures

In case of skin contact:

Wash the affected parts with plenty of water and soap.

In case of eyes contact:

Rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination immediately.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

In case of respiratory problems, medical care is needed.

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

None

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

Treatment:

None

---

### SECTION 5: Firefighting measures

---

#### 5.1. Extinguishing media

Suitable extinguishing media:

CO<sub>2</sub>, foam, dry extinguishers, nebulised water.

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale combustion gases.

Burning produces heavy smoke.

#### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely. Cool the containers exposed to the fire with water.

---

### SECTION 6: Accidental release measures

---

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

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.



## Safety Data Sheet

### INK EDGE SERIE

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Suitable material for taking up: inert absorbing material.

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

Stop the leak or spill and use inert absorbent material to surround the contaminated area. Collect and dispose in line with current laws and norms. Do not pour into drains.

#### 6.4. Reference to other sections

See also section 8 and 13

---

### SECTION 7: Handling and storage

---

#### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.  
See also section 8 for recommended protective equipment.

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

Store in a well-ventilated place at a temperature between +5/40°C.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

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

None in particular

---

### SECTION 8: Exposure controls/personal protection

---

#### 8.1. Control parameters

(2-methoxymethylethoxy)propanol - CAS: 34590-94-8

EU - LTE: 308 mg/m<sup>3</sup>, 50 ppm - Notes: Pelle/Skin

TLV TWA - pelle/skin 100ppm

TLV STEL - pelle/skin 150ppm

DNEL Exposure Limit Values

N-ethyl-2-pyrrolidone - CAS: 2687-91-4

Worker Professional: 40 mg/m<sup>3</sup> - Consumer: 10 mg/m<sup>3</sup> - Exposure: Human Inhalation Long Term, systemic effects

Worker Professional: 8 mg/kg - Consumer: 4 mg/kg - Exposure: Human Dermal Long Term, systemic effects

PNEC Exposure Limit Values

N-ethyl-2-pyrrolidone - CAS: 2687-91-4

Target: Fresh Water - Value: 0.25 mg/l

Target: Marine water - Value: 0.025 mg/l

Target: Freshwater sediments - Value: 1.91 mg/kg

Target: Marine water sediments - Value: 1.191 mg/kg

Target: Soil (agricultural) - Value: 0.235 mg/kg

#### 8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not necessary if the product is handled in a well-ventilated place. If ventilation is insufficient, application by spray or handling is prolonged, use an anti-organic vapour mask.

Thermal Hazards:

None

Environmental exposure controls:



## Safety Data Sheet INK EDGE SERIE

None

---

### SECTION 9: Physical and chemical properties

---

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

Appearance:	viscous fluid	
Colour:	various	
Odour:	light	
Odour threshold:	Not available	
pH:	8	
Melting point / freezing point:	0 °C	
Initial boiling point and boiling range:	100 °C	
Solid/gas flammability:	Not available	
Upper/lower flammability or explosive limits:		Not available
Vapour density:	Not available	
Flash point:	Not available	
Evaporation rate:	Not available	
Vapour pressure:	Not available	
Relative density:	1.04 g/cm <sup>3</sup>	
Solubility in water:	miscible	
Solubility in oil:	not miscible in organic solvents	
Partition coefficient (n-octanol/water):	Not available	
Auto-ignition temperature:	Not available	
Decomposition temperature:	Not available	
Viscosity:	Not available	

#### 9.2. Other information

Conductivity:	Not available
Substance Groups relevant properties:	Not available

---

### SECTION 10: Stability and reactivity

---

#### 10.1. Reactivity

Stable under normal conditions

#### 10.2. Chemical stability

Stable under normal conditions

#### 10.3. Possibility of hazardous reactions

None in particular in the normal conditions of use.

#### 10.4. Conditions to avoid

The product is stable under normal storage/use conditions.

#### 10.5. Incompatible materials

None in particular.

#### 10.6. Hazardous decomposition products

May produce toxic and noxious fumes in case of fire.

---

### SECTION 11: Toxicological information



## Safety Data Sheet

### INK EDGE SERIE

---

#### 11.1. Information on toxicological effects

Toxicological information of the mixture:  
Not available

Toxicological information of the main substances found in the mixture:

N-ethyl-2-pyrrolidone - CAS: 2687-91-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3200 mg/kg - Notes: (OECD 401)

Test: LC50 - Route: Inhalation - Species: Rat > 5.1 mg/l - Duration: 4h - Notes: (OCSE 403) aerosol

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Notes: (OECD 402)

b) skin corrosion/irritation:

Test: Skin Corrosive - Species: Rabbit No - Notes: (OECD 404)

c) serious eye damage/irritation:

Test: Eye Corrosive - Species: Rabbit Yes - Notes: (OECD 405)

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Mouse Negative - Notes: (OCSE 429)

e) germ cell mutagenicity:

Test: Mutagenesis - Species: Mouse Negative - Notes: (OCSE 474)

Further information

Inhalation: may cause drowsiness and headaches.

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

a) acute toxicity;

b) skin corrosion/irritation;

c) serious eye damage/irritation;

d) respiratory or skin sensitisation;

e) germ cell mutagenicity;

f) carcinogenicity;

g) reproductive toxicity;

h) STOT-single exposure;

i) STOT-repeated exposure;

j) aspiration hazard.

---

#### SECTION 12: Ecological information

##### 12.1. Toxicity

Adopt sound working practices, so that the product is not released into the environment.

Not available

##### 12.2. Persistence and degradability

None

Not available

##### 12.3. Bioaccumulative potential

Not available

##### 12.4. Mobility in soil

Not available

##### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

##### 12.6. Other adverse effects

None

---

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.



## Safety Data Sheet INK EDGE SERIE

---

### SECTION 14: Transport information

---

#### 14.1. UN number

This material is NOT RESTRICTED for transportation (ADR/RID, IMDG, IATA, ICAO).

#### 14.2. UN proper shipping name

Not available

#### 14.3. Transport hazard class(es)

Not available

#### 14.4. Packing group

Not available

#### 14.5. Environmental hazards

Not available

#### 14.6. Special precautions for user

Not available

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Environmental Pollutant:  
No

---

### SECTION 15: Regulatory information

---

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)

Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP)

Regulation (EU) n. 453/2010 (Annex I)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restriction 3

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

#### 15.2. Chemical safety assessment

No

---

### SECTION 16: Other information

---

Text of phrases referred to under heading 3:

R41 Risk of serious damage to eyes.

R63 Possible risk of harm to the unborn child

H318 Causes serious eye damage.

H361d Suspected of damaging the unborn child.

Paragraphs modified from the previous revision:

Modified format as stipulated in the UE 453/2010 Regulation.

This document was prepared by a competent person who has received appropriate training.



## Safety Data Sheet INK EDGE SERIE

Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances (1983)

I.N.R.S. - Fiche Toxicologique

CCNL - Appendix 1 "TLV for 1989-90"

This product must be kept, handled and used in accordance with health and safety regulations, sound industrial practice and conforming to the laws in force.

The information given is based on our present knowledge, at the time of sending the data sheet and only serves for describing the product for security reasons, without guaranteeing specific properties.

Due to the various uses of our product and for factors not dependent on us, no responsibility is accepted for the use of this information.

Please keep your records up to date and make this sheet available to all relevant personnel. This safety sheet cancels and substitutes any other previous issue.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.