

Safety Data Sheet

according to Regulation (EC) No. 1907/2006, as amended

Approval/Revision date: 21.09.2021

Print Date: 19.01.2022

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

1.1. Product identifier: EWFTF Ink

Product code: 7494792

Synonyms: None.

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

1.2.1. Identified uses: ink or inkjet chemical

1.3. Details of the supplier of the safety data sheet: KODAK LIMITED, Building 8, Croxley Green Business Park, Hatters Lane, Watford, WD18 8PX, Great Britain

For further information about this product, telephone 0870-2430270 or email pep@kodak.com.

1.4. Emergency telephone number:

IN EMERGENCY, telephone: 844 892 0111.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not hazardous according to GHS/Hazard Communication regulations. -- --

2.2. Label elements:

Labelling according to 1272/2008/EC [CLP/GHS]:

Contains: Components either non-hazardous or below regulatory thresholds

Hazard statements:

Not hazardous according to GHS/Hazard Communication regulations.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Weight percent	Component	CAS-No. EC No. REACH Reg. No.	Classification according to 1272/2008/EC	Reason for disclosure	SCL M-factor ATE

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10 - 15	glycerol	56-81-5 200-289-5 not applicable	not classified	Substance with a Community workplace exposure limit	not applicable not applicable ATE (Oral): 12,600 mg/kg ATE (Dermal): > 10 g/kg ATE (Inhalation): > 2.75 mg/kg
1 - 5	titanium dioxide	13463-67-7 236-675-5 not applicable	Carc. 2 H351	Substance with a Community workplace exposure limit	not applicable not applicable ATE (Oral): > 3,200 mg/kg ATE (Dermal): > 1,000 mg/kg

SECTION 4: First aid measures

4.1. Description of first aid measures

4.1.1. Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

4.1.2. Skin: Wash off immediately with soap and plenty of water. Get medical attention if symptoms occur.

4.1.3. Eyes: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lens, if worn. Get medical attention if symptoms persist.

4.1.4. Ingestion: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed: The immediate symptoms and effects of this material are currently unknown.

4.3. Indication of any immediate medical attention and special treatment needed: No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment..

5.2. Special hazards arising from the substance or mixture

5.2.1. Hazardous Combustion Products: Carbon oxides

5.2.2. Unusual Fire and Explosion Hazards: None.

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5.3. Advice for firefighters: Wear self-contained breathing apparatus and protective suit. Fire or excessive heat may produce hazardous decomposition products.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures: Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions: Prevent runoff from entering drains, sewers, or streams.

6.3. Methods and materials for containment and cleaning up: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

6.4. Reference to other sections: See Section 8 for recommendations on the use of personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

7.1.1. Personal precautions: No special precautionary measures should be needed under anticipated conditions of use. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

7.1.2. Prevention of Fire and Explosion: Keep from contact with oxidizing materials.

7.1.3. Ventilation: Match ventilation rates to conditions of use so as not to exceed any applicable exposure limits (see Section 8).

7.2. Conditions for safe storage, including any incompatibilities: Keep in a dry, cool and well-ventilated place. Cool conditions (5 - 30°C). Keep container tightly closed. Keep away from food, drink and animal feeding stuffs. Keep away from incompatible substances (see Incompatibility section.)

7.3. Specific end use(s): No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure controls

Chemical name	Regulatory List	Value Type	Value
glycerol	EH40	Time weighted average	10 mg/m ³ Form of exposure (mist)
	EH40	Short term exposure limit	30 mg/m ³ Form of exposure (mist)

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			(calculated)
titanium dioxide	EH40	Time weighted average	4 mg/m ³ Form of exposure (respirable)
	EH40	Time weighted average	10 mg/m ³ Form of exposure (total inhalable)
	EH40	Short term exposure limit	30 mg/m ³ Form of exposure (total inhalable) (calculated)
	EH40	Short term exposure limit	12 mg/m ³ Form of exposure (respirable) (calculated)
titanium dioxide	HSA	Time weighted average	4 mg/m ³ Form of exposure (respirable dust)
	HSA	Time weighted average	10 mg/m ³ Form of exposure (total inhalable dust)
	HSA	Short term exposure limit	30 mg/m ³ Form of exposure (respirable dust) (calculated)
	HSA	Short term exposure limit	12 mg/m ³ (calculated)

8.2. Exposure controls

8.2.1. Appropriate engineering controls: Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Controls should be sufficient so that applicable occupational exposure limits are not exceeded.

8.2.2. Individual protection measures, such as personal protective equipment

Eye protection: Wear safety glasses with side shields (or goggles).

Hand protection: Using the information provided in Section 2, seek the advice of the glove supplier as to the most suitable glove material. Avoid skin contact when mixing or handling the substance/preparation or a mixture by wearing impervious gloves and protective clothing appropriate to the risk of exposure.

Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact:

Material	Thickness	Breakthrough time
Consult your glove manufacturer.	--	--

Consult your glove manufacturer for advice on what glove material to avoid.

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The protective gloves to be used must comply with the specifications of the EC directive 89/686/EEC and the resultant standard EN 374. This recommendation applies only to the product stated in the Safety Data Sheet and supplied by us as well as to the purpose specified by us.

Respiratory protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. If respirators are used, a program should be instituted to assure compliance with applicable federal, state, commonwealth, provincial, or local laws and regulations.

General health and safety measures: Safety shower, eye wash, washing facilities as appropriate to condition of use.

8.2.3. Environmental exposure controls: No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: liquid

Particle size: No data available - testing not performed

Colour: white

Odour: mild

Odour Threshold: No data available - testing not performed

pH: 7 - 10

Melting point/freezing point: -18 °C (-0.4 °F)

Initial boiling point and boiling range: 95 - 110 °C (203.0 - 230.0 °F)

Flash point: > 130 °C(266.0 °F)

Evaporation rate: No data available - testing not performed

Flammability (Solid; gas) : No data available - testing not performed

Upper explosion limit: No data available - testing not performed

Lower explosion limit: No data available - testing not performed

Vapour pressure: No data available - testing not performed

Vapour density: No data available - testing not performed

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Specific gravity: No data available - testing not performed

Water solubility: No data available - testing not performed

Partition coefficient: n-octanol/water: No data available - testing not performed

Auto-ignition temperature: No data available - testing not performed

Decomposition temperature: No data available - testing not performed

Viscosity: No data available - testing not performed

Explosive properties: No data available - testing not performed

Oxidizing properties: No data available - testing not performed

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Flammable liquids: No data available - testing not performed

9.2.2. Other safety characteristics

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity: No data available

10.2. Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions: Hazardous polymerisation does not occur.

10.4. Conditions to avoid: incompatible materials, Heat, flames and sparks..

10.5. Incompatible materials: Strong oxidizing agents, Strong acids and strong bases.

10.6. Hazardous decomposition products: None under normal conditions of use.

SECTION 11: Toxicological information

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

11.1.1. Acute toxicity

No data available

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11.1.2. Corrosivity and irritation

No data available

11.1.3. Sensitisation

No data available

11.1.4. CMR effects

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

11.1.5. Specific target organ toxicity - single exposure

No information available.

11.1.6. Specific target organ toxicity - repeated exposure

No information available.

11.1.7. Aspiration hazard

No information available.

11.1.8. Toxicokinetics, metabolism and distribution

No data available

11.1.9. Information on likely routes of exposure

Inhalation: Expected to be a low hazard for recommended handling.

Eyes: May cause transient irritation.

Skin: Expected to be a low hazard for recommended handling.

Ingestion: Expected to be a low hazard for recommended handling.

11.2. Information on other hazards

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11.2.1. Endocrine disrupting properties

No information available.

11.2.2. Other information

Effects of Exposure

General advice: The toxicological properties of this material have not been fully investigated and its handling and use may present additional hazards.

Contains: titanium dioxide. May cause cancer by inhalation in powder form containing 1% or more of particles with aerodynamic diameter of ≤ 10 micrometers.

Data for glycerol (CAS 56-81-5):

Acute Toxicity Data:

Oral LD50 (Rat): 12,600 mg/kg
Inhalation LC50 (Rat): > 2.75 mg/l / 4 hr
Dermal LD50 (Rabbit): > 10 g/kg
Skin irritation: slight
Eye irritation: very slight

Data for titanium dioxide (CAS 13463-67-7):

Acute Toxicity Data:

Oral LD50 (Rat): > 3,200 mg/kg (10% in water) Screen
Oral LD50 (Mouse): > 3,200 mg/kg (10% in water) Screen
Inhalation LC50 (Rat): 5.09 mg/l / 4 hr (no deaths occurred)
Dermal LD50 (Guinea pig): > 1,000 mg/kg Screen
Skin irritation: slight
Eye irritation: No eye irritation
Sensitisation (Guinea pig): none

SECTION 12: Ecological information

The following properties are ESTIMATED from the components of the preparations.

12.1. Toxicity

Toxicity to fish (LC50): > 100 mg/l estimated

Toxicity to daphnia (EC50): > 100 mg/l estimated

12.2. Persistence and degradability

Persistence and degradability: Readily biodegradable

12.3. Bioaccumulative potential

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No data available

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Endocrine disrupting properties

No information available.

12.7. Other adverse effects

No information available.

12.8. Additional ecological information:

This product has not been tested for environmental effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose according to the local regulations or guidelines that apply to the category of waste. Ensure the use of properly authorised waste management companies.

Waste material: Waste material is currently classified as hazardous waste under Directive 2008/98/EC, as amended. European Waste Catalogue EWC: 08 03 12 waste ink containing dangerous substances

Product containers: If thoroughly cleaned, preferably by rinsing at least three times with small quantities of water, waste product packaging may be consigned for recovery or disposal as non hazardous waste. The European Waste Catalogue Code is 15 01 02 plastic packaging.

Dispose of contents/container in accordance with local regulation.

SECTION 14: Transport information

Not regulated for all modes of transportation.

For more transportation information, go to: www.kodak.com/go/ship.

SECTION 15: Regulatory information

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

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1907/2006/EC Article 59(1) - Candidate List of Substances Subject to Authorisation

This mixture contains no ingredient which is subject to an authorisation according to Regulation (EC) No. 1907/2006 (REACH).

1907/2006/EC - Annex XIV - Substances Subject to Authorization

This mixture does not contain substances which are subject to an authorization according to Regulation (EC) No. 1907/2006 (REACH).

1907/2006/EC - Potential Substances of Very High Concern

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Detergents Regulation (648/2004) - Derogations and Banned or Restricted Detergent Surfactants

This mixture does not contain substances listed in Detergents Regulation (648/2004) - Derogations and Banned or Restricted Detergent Surfactants

1907/2006/EC - Annex XVII - Restrictions on Certain Dangerous Substances

This mixture contains ingredients which are subject to restrictions according to Regulation (EC) No. 1907/2006 (REACH): titanium dioxide (236-675-5)

Notification status

Regulatory List	Notification status
TSCA	All listed
DSL	All listed
NDSL	None listed
EINECS	All listed
ELINCS	None listed
NLP	None listed
AICS	All listed
IECS	All listed
ENCS	All listed
ECI	All listed
NZIoC	All listed
PICCS	All listed
TCSI	All listed

"Not all listed" indicates one or more component is either not on the public Inventory or is subject to exemption requirements. If additional information is needed contact Kodak.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

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SECTION 16: Other information

16.1. Indication of changes

Corrected/updated:

composition data

classification(s)

label information

Physical-chemical data

Review Safety Data Sheet before using product.

16.2. Key or legend to abbreviations and acronyms used in the safety data sheet

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS = Australian Inventory of Chemical Substances; CAS = Chemical Abstracts Service; CLP = Classification, Labelling, and Packaging; DSL = Canada Domestic Substances List; EC = European Commission; EC50 = Effective Concentration 50%; ECI = Korea Existing Chemicals list; EH40 = EH40/2005 Workplace Exposure Limits; EINECS = European Inventory of Existing Commercial chemical Substances; ELINCS = European List of Notified Chemical Substances; ENCS = Japan Existing and New Chemical Substances; GHS = Globally Harmonized System of Classification and Labelling of Chemicals; HSA = Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents); IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; IC50 = Inhibitory Concentration 50%; IECS = China Inventory of Existing Chemical Substances; IMDG = International Maritime Dangerous Goods; LC50 = Lethal Concentration 50%; LD50 = Lethal Dose 50%; mg/Kg = milligrams per Kilogram; mg/L = milligrams per Liter; mg/m³ = milligrams per Cubic Meter; NDSL = Canada Non-Domestic Substances List; NLP = Europe No Longer Polymers; NZIoC = New Zealand Inventory of Chemicals; PBT = Persistent, Bioaccumulative and Toxic substances; PICCS = Philippines Inventory of Chemicals and Chemical Substances; ppm = parts per million; REACH = Registration, Evaluation and Authorization of Chemicals; RID = European Agreement concerning the International Carriage of Dangerous Goods by Rail; TSCA = Toxic Substances Control Act; vPvB = very Persistent, very Bioaccumulative substances

16.3. Key literature references and sources for data

Available upon request.

16.4. Methods used for classification of mixture according to Regulation (EC) No 1272/2008

The determination of classifications is derived via expert judgment and/or weight of evidence.

16.5. Relevant R- and H-phrases

H351 Suspected of causing cancer.

16.6. Training advice

Review Safety Data Sheet before using product.

16.7. Further information

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This Safety Data Sheet has been compiled and is solely intended for this product. The information is based upon the present state of our knowledge.
