

Article No.: 23115  
Print date 20.02.2023  
Version 1.5

Excel Ink Wash  
Revision date 23.03.2022  
Issue date 23.03.2022

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

### 1.1. Product identifier

Article No. (manufacturer/supplier): 23115  
Trade name/designation Excel Ink Wash

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

#### Relevant identified uses

Cleaner / Thinner. Reserved for industrial and professional use.

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

#### supplier (manufacturer/importer/downstream user/distributor)

KIWO Inc.  
1929 Marvin Circle Telephone: +1 281-474-9777  
Seabrook, TX 77586 Telefax: +1 281-474-7325  
USA

### 1.4. Emergency telephone number

Emergency telephone: 1-800-255-3924 / +1 813-248-0573 (ChemTel)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to GHS

This mixture is classified as hazardous according to GHS

Flam. Liq. 4 / H227	Flammable liquids	Combustible liquid.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
STOT SE 3 / H335	STOT-single exposure	May cause respiratory irritation.

### 2.2. Label elements

The product is classified and labelled according to GHS.

#### Labelling according to GHS

##### Hazard pictograms



**Danger**

##### Hazard statements

H227	Combustible liquid.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

##### Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves and eye/face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/ physician.
P370 + P378	In case of fire: Use extinguishing powder or sand to extinguish.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

##### Hazard components for labelling

Alcohols, C10-16, ethoxylated  
Dipropyleneglycol Monomethyl Ether

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#### HMIS-CODE

Health 2  
Fire 2  
Reactivity 0  
Personal Protection C

#### Classification code:

0 = minimal / 1 = low / 2 = moderate / 3 = strong / 4 = extreme

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

**Description** Mixture of components, as listed below, with nonhazardous constituents

#### Hazardous ingredients

#### Classification according to GHS

EC No. CAS No. Index No.	Designation classification: // Remark	weight-%
252-104-2		
34590-94-8	Dipropyleneglycol Monomethyl Ether	10 - 30
203-961-6		
112-34-5	2-(2-butoxyethoxy)ethanol	10 - 30
603-096-00-8		
204-626-7		
123-42-2	4-hydroxy-4-methylpentan-2-one	5 - 10
603-016-00-1		
500-182-6		
68002-97-1	Alcohols, C10-16, ethoxylated	5 - 10
68439-45-2	Alcohols, C6-12, ethoxylated	1 - 5

#### Additional information

Full text of classification: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice. In case of irregular breathing or respiratory arrest provide artificial respiration.

##### Following skin contact

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.

##### After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

##### Following ingestion

Seek medical advice immediately. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media

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Carbon dioxide Water mist Foam

**Unsuitable extinguishing media**

strong water jet

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

Gases/vapours, toxic

5.3. **Advice for firefighters**

Provide a conveniently located respiratory protective device.

**Additional information**

The danger areas must be delimited and identified using relevant warning and safety signs. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

**SECTION 6: Accidental release measures**

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

Ventilate affected area. Remove persons to safety. Do not breathe vapours.

6.2. **Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations. Provide good ventilation.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

6.4. **Reference to other sections**

Observe protective provisions (see section 7 and 8).

**SECTION 7: Handling and storage**

7.1. **Precautions for safe handling**

**Advices on safe handling**

Avoid contact with eyes and skin. Do not inhale vapours or mist.

Do not eat, drink or smoke when using this product.

Personal protection equipment: refer to section 8.

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

**Technical measures and storage conditions**

Keep container tightly closed in a cool, well-ventilated place.

**Requirements for storage rooms and vessels**

Always keep in containers that correspond to the material of the original container. Ensure adequate ventilation of the storage area.

**Hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

**Further information**

VCI-storage class, see Chapter 15

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

Observe technical data sheet. Observe instructions for use.

**SECTION 8: Exposure controls/personal protection**

8.1. **Control parameters**

**Occupational exposure limit values**

Dipropyleneglycol Monomethyl Ether

EC No. 252-104-2 / CAS No. 34590-94-8

IDLH, TWA: 600 ppm

ACGIH, TWA: 50 ppm

OSHA, TWA: 600 mg/m<sup>3</sup>; 100 ppm

Remark: (may be absorbed through the skin)

NIOSH, TWA: 600 mg/m<sup>3</sup>; 100 ppm

NIOSH, STEL: 900 mg/m<sup>3</sup>; 150 ppm

Remark: (may be absorbed through the skin)

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2-(2-butoxyethoxy)ethanol  
Index No. 603-096-00-8 / EC No. 203-961-6 / CAS No. 112-34-5

ACGIH, TWA: 67.5 mg/m<sup>3</sup>; 10 ppm  
Remark: (inhalable fraction and vapor)

4-hydroxy-4-methylpentan-2-one  
Index No. 603-016-00-1 / EC No. 204-626-7 / CAS No. 123-42-2

IDLH, TWA: 1800 ppm [10% LEL]  
OSHA, TWA: 240 mg/m<sup>3</sup>; 50 ppm  
NIOSH, TWA: 240 mg/m<sup>3</sup>; 50 ppm  
ACGIH, TWA: 238 mg/m<sup>3</sup>; 50 ppm

**Additional information**

TWA : Long-term occupational exposure limit value  
STEL : short-term occupational exposure limit value  
C : peak limitation

**8.2. Exposure controls**

**Personal protection equipment**

**Respiratory protection**

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

**Hand protection**

Wear chemical resistant protective gloves.

**Eye/face protection**

Wear closed protection glasses.

**Body protection**

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

**Protective measures**

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

**Environmental exposure controls**

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

**SECTION 9: Physical and chemical properties**

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

**Appearance:**

Physical state: Liquid  
Colour: refer to label

Odour: characteristic

Odour threshold: not applicable

pH at 20 °C: not applicable

Melting point/freezing point: -68 °C

Source: 2-(2-butoxyethoxy)ethanol

Initial boiling point and boiling range: > 148 °C

Source: Alcohols, C10-16, ethoxylated

Flash point: 80 °C

Method: ASTM D 93 Pensky-Martens

Evaporation rate: not applicable

**flammability**

Burning time: not applicable

**Upper/lower flammability or explosive limits:**

Lower explosion limit: 0.61 Vol-%

Upper explosion limit: 1.3 Vol-%

Vapour pressure at 20 °C: 0.073 mbar

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<b>Vapour density:</b>	<b>not applicable</b>
<b>Relative density:</b>	
<b>Density at 20 °C:</b>	<b>1.01 g/cm<sup>3</sup></b>
<b>Solubility(ies):</b>	
<b>Water solubility at 20 °C:</b>	<b>partially soluble</b>
<b>Partition coefficient: n-octanol/water:</b>	<b>see section 12</b>
<b>Auto-ignition temperature:</b>	<b>326 °C</b>
<b>Decomposition temperature:</b>	<b>not applicable</b>
<b>Viscosity at 20 °C:</b>	<b>10 s 4 mm</b> Method: DIN 53211
<b>Explosive properties:</b>	<b>not applicable</b>
<b>Oxidising properties:</b>	<b>not applicable</b>
9.2. <b>Other information</b>	
<b>Solid content:</b>	<b>3.00 weight-%</b>

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

No information available.

### **10.2. Chemical stability**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

### **10.3. Possibility of hazardous reactions**

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

### **10.4. Conditions to avoid**

### **10.5. Incompatible materials**

not applicable

### **10.6. Hazardous decomposition products**

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

## **SECTION 11: Toxicological information**

Classification for mixtures and used evaluation method according to GHS

No data on preparation itself available.

### **11.1. Information on toxicological effects**

#### **Acute toxicity**

Alcohols, C10-16, ethoxylated  
oral, LD50, Rat: 2750 mg/kg

#### **Skin corrosion/irritation; Serious eye damage/eye irritation**

Causes serious eye damage.

#### **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

#### **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Based on available data, the classification criteria are not met.

#### **STOT-single exposure; STOT-repeated exposure**

May cause respiratory irritation.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### **Practical experience/human evidence**

Prolonged or repeated contact with the preparation can lead to irritations of mucous membranes and of skin such as redness, formation of blebs, dermatitis, etc..

#### **Overall assessment on CMR properties**

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The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

**Remark**

There is no information available on the preparation itself .

**SECTION 12: Ecological information**

**overall evaluation**

Classification for mixtures and used evaluation method according to GHSDo not store at public landfills.

**12.1. Toxicity**

Based on available data, the classification criteria are not met.

**Long-term Ecotoxicity**

Alcohols, C10-16, ethoxylated  
Daphnia toxicity, EC50: 0.6 mg/L (48 h)

**12.2. Persistence and degradability**

Toxicological data are not available.

**12.3. Bioaccumulative potential**

Toxicological data are not available.

**Bioconcentration factor (BCF)**

Toxicological data are not available.

**12.4. Mobility in soil**

Toxicological data are not available.

**12.5. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Appropriate disposal / Product  
Recommendation**

Dispose of waste according to applicable legislation.

**Appropriate disposal / Package  
Recommendation**

Non-contaminated packages may be recycled.Vessels not properly emptied are special waste.

**SECTION 14: Transport information**

**No dangerous good in sense of this transport regulation.**

**14.1. UN number**

not applicable

**14.2. UN proper shipping name**

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

not applicable

**14.4. Packing group**

not applicable

**14.5. Environmental hazards**

Land transport (ADR/RID) not applicable

Marine pollutant not applicable

**14.6. Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

**Further information**

**Land transport (ADR/RID)**

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Tunnel restriction code

-

**Sea transport (IMDG)**

EmS-No. not applicable

Packaging >30 l

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

**SECTION 15: Regulatory information**

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

**Observe in addition any national regulations!**

calculated with mixing rule

**Substance/product listed in the following inventories:**

USA: TSCA - YES

**SECTION 16: Other information**

**Classification procedure**

Classification for mixtures and used evaluation method according to GHS

**Further information**

Classification for mixtures and used evaluation method according to GHS

The information supplied on this safety data sheet is correct to the best of our knowledge. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.