

# Safety Data Sheet

## GHS VERSION

Article No.: 21377  
Print date 04.12.2015  
Version 1.1

KIWOCOL POLY-PLUS HWR  
Revision date 30.11.2015  
Issue date 30.11.2015



### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifiers

Article No. (manufacturer/supplier): 21377  
Identification of the substance or mixture KIWOCOL POLY-PLUS HWR

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

##### Relevant identified uses

Stencil production for screen and textile printing. 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)

### 2. Hazards identification

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

##### Classification according to GHS

This mixture is classified as hazardous according to GHS

Skin Irrit. 2 / H315 skin corrosion/irritation Causes skin irritation.

#### 2.2. Label elements

The product is classified and labelled according to GHS.

##### Labelling according to GHS

##### Hazard pictograms



Warning

##### Hazard statements

H315 Causes skin irritation.

##### Precautionary statements

P280 Wear protective gloves and eye/face protection.

##### contains:

n.a.

#### 2.3. Other hazards

### 3. Composition / Information on ingredients

#### 3.2. Mixtures

##### Product description / chemical characterization

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

##### Hazardous ingredients

##### Classification according to GHS

EC No.	REACH No.	Wt %
CAS No.	Chemical name	Remark
INDEX No.	classification:	
	urethaneacrylate oligomer	10 - 30
	Eye Irrit. 2 H319 / Skin Irrit. 2 H315	

##### Additional information

Full text of classification: see section 16

### 4. First-aid measures

# Safety Data Sheet

## GHS VERSION

Article No.: 21377  
Print date 04.12.2015  
Version 1.1

KIWOCOL POLY-PLUS HWR  
Revision date 30.11.2015  
Issue date 30.11.2015



### 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. Remove contaminated, saturated clothing immediately.

#### 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.

#### After 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

## 5. Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide Water mist Foam

#### Extinguishing media which must not be used for safety reasons:

strong water jet

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

Gases/vapours, toxic

### 5.3. Special protective equipment 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. Treat runoff as hazardous.

## 6. Accidental release measures

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

Ventilate affected area. Remove persons to safety. Do not breathe vapours. See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains in significant quantities. 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 chapter 13).

### 6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

## 7. Handling and storage

### 7.1. Precautions for safe handling

#### Advices on safe handling

Avoid contact with skin and eyes. Do not inhale vapours or mist.  
Do not eat, drink or smoke when using this product.  
Personal protection equipment: refer to chapter 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.

# Safety Data Sheet

## GHS VERSION

Article No.: 21377  
Print date 04.12.2015  
Version 1.1

KIWOCOL POLY-PLUS HWR  
Revision date 30.11.2015  
Issue date 30.11.2015



### 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.

### Additional information

VCI-storage class, see Chapter 15

### 7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

## 8. Exposure controls / Personal protection

### 8.1. Control parameters

#### Occupational exposure limit values:

n.a.

### 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 to GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

##### Hand protection

Wear chemical resistant protective gloves.

##### Eye protection

Wear closed protection glasses.

##### Protective clothing

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 in significant quantities.

## 9. Physical and chemical properties

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

#### Appearance:

Physical state	liquid
Colour	refer to label
Odour	characteristic

#### Safety relevant basis data

	Method	Remark
Flash point:	n.a.	
Ignition temperature (AIT)	n.a.	
Lower explosion limit	n.a.	
Upper explosion limit	n.a.	
Vapour pressure at 20 °C:	12.98 mbar	
Density at 20 °C:	1.05 g/cm <sup>3</sup>	
Water solubility (g/L)	very soluble	
pH at 20 °C:	-	
Viscosity at 20 °C:	10000 mPa·s	
Initial boiling point and boiling range	100 °C (101,3 kPa)	
Decomposition temperature (°C):	0	

### 9.2. Other information:

## 10. Stability and reactivity

### 10.1. Reactivity

# Safety Data Sheet

## GHS VERSION

Article No.: 21377  
Print date 04.12.2015  
Version 1.1

KIWOCOL POLY-PLUS HWR  
Revision date 30.11.2015  
Issue date 30.11.2015



USA  
Page 4 / 6

### 10.2. Chemical stability

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

### 10.6. Hazardous decomposition products

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

## 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

Toxicological data are not available.

#### skin corrosion/irritation; Serious eye damage/eye irritation

Toxicological data are not available.

#### Respiratory or skin sensitisation

Toxicological data are not available.

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

Toxicological data are not available.

#### Specific target organ toxicity

Toxicological data are not available.

#### Aspiration hazard

Toxicological data are not available.

#### Practical experience/human evidence

Other observations:

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

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 .

## 12. Ecological information

### overall evaluation

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

### 12.1. Toxicity

No information available.

#### Long-term Ecotoxicity

Toxicological data are not available.

### 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

# Safety Data Sheet

## GHS VERSION

Article No.: 21377  
Print date 04.12.2015  
Version 1.1

KIWOCOL POLY-PLUS HWR  
Revision date 30.11.2015  
Issue date 30.11.2015



Toxicological data are not available.

### 12.5. Results of PBT assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

## 13. Disposal considerations

### 13.1. Waste treatment methods

#### Appropriate disposal / Product Recommendation

Dispose of waste according to applicable legislation.

other dangerous substances

#### packaging

#### Recommendation

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

## 14. Transport information

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

### 14.1. UN number

n.a.

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

n.a.

### 14.4. Packing group

n.a.

### 14.5. Environmental hazards

Land transport (ADR / RID / DOT): n.a.

Marine pollutant n.a.

### 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

#### Additional information

#### Land transport (ADR / RID / DOT):

tunnel restriction code

#### Sea transport (IMDG)

EmS-No. n.a.

Packaging >30 l

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

## 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:

Listed in TOXIC SUBSTANCES CONTROL ACT (TSCA)

### 15.2. Chemical Safety Assessment

# Safety Data Sheet

## GHS VERSION

Article No.: 21377  
Print date 04.12.2015  
Version 1.1

KIWOCOL POLY-PLUS HWR  
Revision date 30.11.2015  
Issue date 30.11.2015



Chemical safety assessments for substances in this preparation were not carried out.

### 16. Other information

#### Full text of classification in section 3:

Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Skin Irrit. 2 / H315	skin corrosion/irritation	Causes skin irritation.

#### Additional 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 chapter 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.