

# Safety Data Sheet

## GHS VERSION

Article No.: 24406  
Print date 27.01.2016  
Version 1.1

KIWO MEGA-CLEAN ACTIVE  
Revision date 27.01.2016  
Issue date 27.01.2016

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

#### 1.1. Product identifiers

Article No. (manufacturer/supplier): 24406  
Identification of the substance or mixture KIWO MEGA-CLEAN ACTIVE

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

##### Relevant identified uses

Cleaning agent, alkaline. 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 Corr. 1A / H314	skin corrosion/irritation	Causes severe skin burns and eye damage.
Skin Sens. 1 / H317	respiratory or skin sensitisation	May cause an allergic skin reaction.
Repr. 1B / H360	Reproductive toxicity	May damage the unborn child.
STOT SE 3 / H335	Specific target organ toxicity (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

H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H360 May damage the unborn child.  
H335 May cause respiratory irritation.

##### Precautionary statements

P201 Obtain special instructions before use.  
P260 Do not breathe vapour.  
P280 Wear protective gloves and eye/face protection.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/attention.  
P310 Immediately call a POISON CENTER or doctor/ physician.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

##### contains:

sodium hydroxide  
A mixture of: N,N'-ethane-1,2-diylbis(decanamide);  
12-hydroxy-N-[2-[1-oxydecyl]amino]ethyl]octadecanamide;  
N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)  
N-methyl-2-pyrrolidone

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### 2.3. Other hazards

## 3. Composition / Information on ingredients

### 3.2. Mixtures

#### Product description / chemical characterization

Description solvent mixture

#### Hazardous ingredients

#### Classification according to GHS

EC No.	REACH No.	Wt %
CAS No.	Chemical name	Remark
INDEX No.	classification:	
215-185-5		
1310-73-2	sodium hydroxide	10 - 30
011-002-00-6	Skin Corr. 1A H314	
212-828-1	01-2119472430-46-0001	
872-50-4	N-methyl-2-pyrrolidone	10 - 30
606-021-00-7	Repr. 1B H360 / Eye Irrit. 2 H319 / STOT SE 3 H335 / Skin Irrit. 2 H315	
	polymer: alcohols C16-C18, ethoxylated	5 - 10
	Acute Tox. 4 H302 / Eye Irrit. 2 H319 / Aquatic Acute 1 H400 / Aquatic Chronic 3 H412	
430-050-2	A mixture of: N,N'-ethane-1,2-diylbis(decanamide); 12-hydroxy-N-[2-[1-oxydecyl]amino]ethyl]octadecanamide; N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)	1 - 5
	Skin Sens. 1 H317 / Aquatic Chronic 2 H411	

#### Additional information

Full text of classification: see section 16

## 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. Immediate medical treatment required because corrosive injuries that are not treated are hard to cure. Remove contaminated, saturated clothing immediately.

#### After eye contact

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses.

#### 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

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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. Treat runoff as hazardous.

## 6. Accidental release measures

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

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. 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. Avoid: aerosol or mist formation. Do not mix with other chemicals.

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

Personal protection equipment: refer to chapter 8.

Follow the legal protection and safety regulations.

### 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.

#### Hints on joint storage

Do not store together with:

Acids, Oxidising agent

#### 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

Provide good ventilation. This can be achieved with local or room suction. Do not breathe vapour/aerosol.

#### Personal protection equipment

##### Respiratory protection

When splashes or fine mist form, a permitted breathing apparatus suitable for these purposes 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.

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### Eye protection

Wear closed protection glasses.

### Protective clothing

Protective clothing Alkali-resistant

### 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.

## 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:	> 93 °C	ASTM D 93 Pensky-Martens	
Ignition temperature (AIT)	230 °C		
Lower explosion limit	1.3 Vol-%		
Upper explosion limit	14.0 Vol-%		
Vapour pressure at 20 °C:	6.54 mbar		
Density at 20 °C:	1.13 g/cm <sup>3</sup>		
Water solubility (g/L)	partially soluble		
pH at 20 °C:	14.00		
Viscosity at °C:			
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

### 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

## 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.

#### Specific target organ toxicity

Toxicological data are not available.

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### Aspiration hazard

Toxicological data are not available.

### Practical experience/human evidence

Other observations:

Causes severe skin burns and eye damage.

### Overall Assessment on CMR properties

EC No.	Chemical name
CAS No. 212-828-1 872-50-4	N-methyl-2-pyrrolidone

**Classification according to GHS**  
Repr. 1B

### 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.

Reserved for industrial and professional use.

### 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

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**

### packaging

#### Recommendation

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

## 14. Transport information

### 14.1. UN number

1719

### 14.2. UN proper shipping name

Land transport (ADR / RID / DOT):

Caustic alkali liquid, n.o.s.  
(Sodium hydroxide solution)

Sea transport (IMDG):

CAUSTIC ALKALI LIQUID, N.O.S.  
(Sodium hydroxide solution)

Air transport (ICAO-TI / IATA-DGR):

Caustic alkali liquid, n.o.s.

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- (Sodium hydroxide solution)
- 14.3. **Transport hazard class(es)** 8
- 14.4. **Packing group** II
- 14.5. **Environmental hazards**  
Land transport (ADR/RID) 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)**  
tunnel restriction code E
- Sea transport (IMDG)**  
EmS-No. F-A, S-B  
Segregation group IMDG Code segregation group 18 - alkalis  
Packaging >30 I
- 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

##### EU legislation

##### 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

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

### 16. Other information

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

Skin Corr. 1A / H314	skin corrosion/irritation	Causes severe skin burns and eye damage.
Repr. 1B / H360	Reproductive toxicity	May damage the unborn child.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
STOT SE 3 / H335	Specific target organ toxicity (single exposure)	May cause respiratory irritation.
Skin Irrit. 2 / H315	skin corrosion/irritation	Causes skin irritation.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic life.
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment	Harmful to aquatic life with long lasting effects.
Skin Sens. 1 / H317	respiratory or skin sensitisation	May cause an allergic skin reaction.
Aquatic Chronic 2 / H411	Hazardous to the aquatic environment	Toxic to aquatic life with long lasting effects.

#### 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.