

# Safety data sheet

## KG – 12 Carbon/Copper Remover

Version 1.0

Effective date: 17-05-2017



## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1 Product identifier

**Trade name:** KG – 12 Carbon/Copper Remover

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

**Product use:** Removal and or Clean-up of Copper

**Uses advised against:** -

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

**Company:** KG Industries  
204 Mustang Cove  
Mustang Creek Industrial Park  
Taylor TX 76574  
Phone +1 (512) 352 3245

**Contact:** info@kgcoatings.com

### 1.4 Emergency telephone number:

These services are only available to health professionals.  
The UK National Poisons Emergency number is 0870 600 6266.

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture 1272/2008 CLP.

Acute Tox. 3; H301+H311, STOT RE 2; H373.

### 2.2 Label Elements 1272/2008 CLP:

#### Hazard pictograms:



#### Signal word:

Danger

**Contains:** CAS 143-33-9 Cyanide <3 %.

#### Hazard statements:

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H373 May cause damage to organs through prolonged or repeated exposure.

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### Precautionary statements:

General:

P102 Keep out of reach of children.

Prevention:

P264 Wash skin thoroughly after handling.

P260 Do not breathe mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection.

Response:

P301 + 310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302 + 352 + P312 IF ON SKIN: Wash with soap and water. Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container to an approved waste disposal plant.

### Additional marking:

-

### 2.3 Other Hazards

This substance/mixture does not meet the PBT or vPvB criteria of REACH, annex XIII.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1/2 Substance/Mixture

CAS/EC-no.	REACH-no.	Name	Content %	Classification CLP
143-33-9 / -	-	Cyanide	<3	Acute Tox. 2; H300+H330, Acute Tox. 1; H310, STOT RE 1; H372, Aquatic Chronic 1; H410.

### 3.3 Additional information:

See full text of H-phrases in section 16. Occupational limits are listed in section 8, if these are available.

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures:

#### General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

#### Inhalation:

Get the injured person into fresh air. Make sure there is always someone with the injured person. Seek medical attention for possible cyanic poisoning.

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**Skin contact:** Skin that has come in contact with the material must be washed thoroughly with water and soap for at least 20 minutes. Take off contaminated clothing and wash before reuse. If skin irritation occurs: seek medical advice/attention.

**Eye contact:** Rinse continuously with water for several minutes. Remove contact lenses. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:** Give the person plenty to drink and stay with the person. Contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor.

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

Toxic if swallowed. Toxic in contact with skin. May cause damage to organs through prolonged or repeated exposure.

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

Treat symptomatically. Check for possible cyanic poisoning.

### SECTION 5. FIRE FIGHTING MEASURES

**5.1 Extinguishing media:** Alcohol-resistant foam, carbonic acid, powder, water mist.

**Unsuitable extinguishing media:**  
None known.

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

May form harmful smoke during heating or fire, do not inhale.

**5.3 Advice for firefighters:** Wear self-contained breathing apparatus and protective clothing to prevent contact. Do not let fire-extinguishing water run into sewers and other water courses.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Avoid inhalation of vapours from waste material. Avoid contact with skin and eyes. Make sure there is sufficient ventilation. Use appropriate personal protective equipment as stated in Section 8.

#### 6.2 Environmental precautions:

Avoid discharge to lakes, streams, sewers, etc.

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

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Store in a cool, dry area. Wash contaminated area with large amounts of water to neutralize. Avoid contact with strong oxidizing agents or concentrated acids. Do not mix with any acidic materials. If product develops cream colored/yellowish solid material, flush with water.

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### 6.4 Reference to other sections:

See section on "Disposal considerations" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

Use appropriate personal protective equipment as stated in Section 8. When workers are facing concentrations above the exposure limit, they must use appropriate self-contained breathing apparatus. Use only in well-ventilated areas. Take usual precautions when handling chemicals. Avoid contact with skin and eyes. Do not inhale vapors. After use and before eating, drinking or smoking, wash hands, arms and face. Smoking, eating and drinking are prohibited in premises where the preparation is used.

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

Store in a cool, well-ventilated place. Provide adequate ventilation. Make sure there are no leaks. Always keep in original containers.

### 7.3 Specific end use(s):

This product should only be used for applications described in Section 1.2.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational exposure limits EH40:

CAS-no:	Name:	Limits:	M:	Referance:
143-33-9	Cyanide	5 mg/m <sup>3</sup>	SK	EH40

Sk = Can be absorbed through skin.

### DNEL / PNEC:

-

### 8.2 Exposure controls:

#### Appropriate technical measures:

Airborne concentrations must be kept as low as possible and below the current threshold values. Use for example an exhaust system if the normal air flow in the work room is not sufficient.

#### General information / Hygiene measures:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face. . Make sure that eyewash and emergency showers are clearly marked.

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### Personal protective equipment:

Only CE-marked personal protection equipment should be used.

### Respiratory protection:

Facing concentrations above the exposure limit, use appropriate self-contained breathing apparatus.

### Hand protection:

Use gloves.  
Protective gloves are recommended to protect against contact with product. Standard EN 374-1. Breakthrough time: >8 hours.

### Eye protection:

Use chemical splash goggles. EN 166.

### Body protection:

Wear suitable impervious protective clothing.

### Measures to avoid environmental exposure:

Avoid discharge to lakes, streams, sewers, etc.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b> Liquid	<b>Color:</b> Moderate to dark amber	<b>Odour:</b> Mild	<b>PH:</b> <8	<b>Viscosity:</b> -
<b>Flash point:</b> -	<b>Boiling point:</b> -	<b>Vapour pressure:</b> -	<b>Density g/cm<sup>3</sup>:</b> -	<b>Solubility:</b> Soluble in water
<b>Evaporation rate:</b> -	<b>Auto-ignition:</b> -	<b>Explosive limits</b> -		

### 9.2 Other information:

-

## SECTION 10. STABILITY AND REACTIVITY

### 10.1 Reactivity:

Stable product under normal conditions.

### 10.2 Chemical stability:

Stable. Hazardous polymerisation will not occur

### 10.3 Possibility of hazardous reactions:

No dangerous reactions are known.

### 10.4 Conditions to avoid:

None known.

### 10.5 Incompatible materials:

Avoid contact with strong oxidizing agents and acids.

### 10.6 Hazardous decomposition products:

May form toxic gases during heating or fire.

## SECTION 11. TOXICOLOGICAL INFORMATION

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### 11.1 Information on Toxicological effects

<b>Acute toxicity:</b>	Toxic if swallowed. Toxic in contact with skin.			
	Hydrocyanic Acid, Sodium Salt:			
	Rat:	LD50:	Oral:	4.7 mg/kg
	Rabbit:	LD50:	Dermal:	300 mg/kg
<b>Skin corrosion/irritation:</b>	Not classified.			
<b>Serious eye damage/irritation:</b>	Not classified.			
<b>Respiratory or skin sensitisation:</b>	Not classified.			
<b>Germ cell mutagenicity:</b>	Not classified.			
<b>Carcinogenicity:</b>	Not classified.			
<b>Reproductive toxicity:</b>	Not classified.			
<b>Specific target organ toxicity - single exposure:</b>	Not classified.			
<b>Specific target organ toxicity – repeated exposure:</b>	May cause damage to organs through prolonged or repeated exposure.			
<b>Aspiration hazard:</b>	Not classified.			
<b>Additional Information:</b>	-			

## SECTION 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity:</b>	Not classified.
<b>12.2 Persistence and degradability:</b>	No data available.
<b>12.3 Bioaccumulative potential:</b>	None known potential.
<b>12.4 Mobility in soil:</b>	No data available.
<b>12.5 Result of PBT and vPvB assesment:</b>	This substance/mixture does not meet the PBT or vPvB criteria of REACH, annex XIII.
<b>12.6 Other adverse effects:</b>	None known.

## SECTION 13. DISPOSAL CONSIDERATIONS

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### 13.1 Waste treatment methods:

Avoid discharge to drain or surface water. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

Option:

**EWC-Code:** 19 02 09

**Contaminated packing:** Packaging which contains leftovers from the product must be disposed of in the same way as the product.

## SECTION 14. TRANSPORT INFORMATION

Not classified.

	ADR/RID	IMDG/IMO
14.1 UN number	-	-
14.2 UN proper shipping name	-	-
14.3 Transport hazard class(es)	-	-
14.4 Packing group	-	-
14.5 Environmental hazards - MP	-	-
Other informations	LQ: - Tunnel: -	LQ: - Tunnel: -

14.6 Special precautions for user:

-

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

-

## SECTION 15. REGULATORY INFORMATION

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

### Sources:

Pressure Equipment (Amendment) Regulations 2011. Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995 (as amended). Personal Protective Equipment

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Regulations 2002. Personal Protective Equipment at Work Regulations 1992. Hazardous Waste (England and Wales) Regulations 2005(as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC.

**Additional information:** People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

### 15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16. OTHER INFORMATION

### Full text of H-phrases as mentioned in section 3:

H300 Fatal if swallowed.

H310 Fatal in contact with skin.

H330 Fatal if inhaled.

H360D May damage the unborn child.

H410 Very toxic to aquatic life with long lasting effects.

### Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

### Validated by:

SRS

[www.msds-eu.com](http://www.msds-eu.com)