# MATERIAL SAFETY DATA SHEET

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## Section 1 Identification

| | |
|---|---|
| Product Identification | **KG-1 Carbon Remover** |
| Manufacturer's Name | KG Industries, LLC |
| Address:<br>204 Mustang Cove<br>Mustang Creek Industrial Park<br>Taylor, Tx 76574 | Information Phone # (512) 352 3245<br>Emergency Phone USA# (800) 424 9300<br>International Emergency# (703) 527 3887 |

## Section 2 Hazardous Ingredients

| Ingredient | Percent | CAS No | Classification at conc. % |
|---|---|---|---|
| Dodecylbenzene sulfonic acid | <3 | 27176-87-0 | |
| There are no published exposure limits for this ingredient | | | |
| N-methylpyrrolidone | <5 | 872-50-4 | Xi; R36/38 |
| UK WEL 25 ppm (8hr TWA), 75 ppm (15 minute TWA) | | | |
| Monooethanolamine (2-aminoethanol) | 13-18 | 141-43-5 | C; R34 |
| UK WEL 3 ppm (8hr TWA), 6 ppm (15 minute TWA) | | | |
| 2-butoxyethanol | 12-18 | 111-76-2 | |
| UK WEL 25 ppm (8hr TWA), 50 ppm (15 minute TWA) | | | |

The extremely low volume of hazardous ingredients including Hydrocyanic Acid is such that is does not require hazardous transportation labels or be required to ship as a hazardous material and presents no hazardous issues. Product as supplied is >90% water. If product evaporates 100% to dry powder follow instructions below.

## Section 3 Hazards Identification

Classified as **Corrosive** according to the EU Preparations Directive as supplied based on the concentrations of ingredients.
May cause severe eye irritation and skin burns.

## Section 4 First Aid Measures

In the event of contact with eyes, wash immediately with clean water or eyewash solution for 10 - 15 minutes. Obtain medical advice if there are persistent symptoms. In the event of contact with the skin or mouth, remove contaminated clothing and wash the affected area liberally with water and rinse mouth repeatedly with drinking water without swallowing. In the event of inhaling vapours or aerosol of the product, remove from exposure, maintain airway and give mouth-to-mouth respiration if breathing stops.

## Section 5 Fire - Fighting Measures

Use water spray, dry chemical, carbon dioxide or alcohol foam.
Evacuate hazard area of unprotected personnel.
Fire fighters should wear full protective clothing and approved self-contained full face breathing apparatus operated in the positive pressure demand mode.

## Section 6 Accidental Release Measures

Evacuate the hazard area of unprotected personnel. Wear appropriate clothing and respirator. Shut off source of leak only if safe to do so. Bund to contain and absorb with special absorbent or sand. Shovel up into seal able container and dispose of in accordance with local, regional and national guidelines.

## Section 7 Handling and Storage

Handle carefully to avoid skin contact, spillage and the generation of aerosols.
Store in a cool, dry well ventilated location away from incompatible materials.
Avoid contact with strong oxidizing agents. Avoid contact with concentrated acids.
Do not mix with any acidic materials.
Always have to hand agreed First Aid items.

## Section 8 Exposure Controls / Personal Protection

Use in open air or in a well-ventilated location, preferably over a tray that would contain any spillage and can be thoroughly washed.
Wear disposable impervious gloves and apron.
If working at eye-level, wear chemical goggles.
Wash gloves, apron and any rags used in dilute sodium hypochlorite solution before disposal.

## Section 9 Physical and Chemical Properties

Odour: Mild odour
Colour: Slight amber
Boiling Point: N/A
Specific Gravity: 1.015
Vapor Pressure: N/A
Melting Point: N/A
Vapor Density: 4.1 (2-butoxyethanol)
Water Solubility: Completely miscible aqueous solution
PH: N/A

## Section 10 Stability and Reactivity

Stable Hazardous polymerisation will not occur
Avoid contact with strong oxidizing agents.
Avoid contact with concentrated acids.
Carbon Monoxide and other unidentified organic compounds may be formed in the presence of combustion.

## Section 11 Toxicological Informtion

The product itself has not been subjected to toxicological testing
Aerosols of the product are irritant to the eyes, respiratory system and skin.
**2-butoxyethanol**
Oral rat LD50: 470 mg/kg;
Inhalation rat LC50: 450ppm/4H;
Skin rabbit LD50: 220 mg/kg;
Has shown teratogenic effects in laboratory animals.
**Monoethanolamine**
Oral rat LD50 2100 mg /kg
Skin ratLD50 1500 mg /kg
Monoethanolamine is corrosive to skin and eyes

**N-methylpyrrolidone**
Oral rat LD50 3914 mg /kg
Skin rabbit LD50 8000 mg /kg
**Dodecylbenzene sulfonic acid** (as sodium salt)
Oral rat LD50 1260 mg /kg


## Section 12 Ecological Information
Not expected to bio-concentrate or bio-accumulate.

## Section 13 Disposal Considerations
Use non-leaking approved containers sealed tightly and labelled properly. Dispose of in accordance with all local, regional and national regulations.
Containers, even those that have been emptied will retain product residue and vapours. Always obey hazard warnings and handle empty containers as if they were full.

## Section 14 Transport Information
Hazardous ingredients less than 5%
May be carried in tanks by road or rail

## Section 15 Regulatory Information
Classified as 'Corrosive' according to the administrative provisions of the EC Preparations Directive C R34, 36/38
S: (1/2-) 7-28 (water)-29-60-61

## Section 16 Other Information
This product is intended for professional use only
Manufactured for the use as a carbon remover for Weapons / Guns / Firearms.

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|---|---|---|---|---|
| HIMS Codes | Health | Fire | Reactivity | Special |
| | 2 | 0 | 0 | N/A |
| NFPA Codes | Health | Flammability | Reactivity | |
| | 2 | 0 | 0 | |

KG Industries provides the information herein in good faith. This document is only intended as a guide to the appropriate precautionary handling of the material by a trained person using this product. Regulatory requirements are subject to change and may differ from one location to another. Conditions of handling and use or misuse are beyond our control.

Do Not Use Other Cleaning Solvents / Bore Cleaners with Any KG Products