

SAFETY DATA SHEET

MR.MUSCLE K2 MULTI PURPOSE KITCHEN CLEANER CONCENTRATE

Section 1. Identification of the Material and Supplier

Product Name : BRILLON PROFESSIONAL MR. MUSCLE K2 MULTI
PURPOSE KITCHEN CLEANER CONCENTRATE

Product Code : K2_V11.4.24

Recommended Use : Multi Purpose Kitchen Cleaner

Supplier : Brillon Consumer Products Pvt. Ltd.
10th Floor,Tower 2
AIPL Business Club,
Golf Course Ext Road,Sec 62,
Gurgaon ,Haryana

Factory Address :
Shri Padhmam Industries- Unit-II, Shed No. 1,
R.S. No. 48, Rohini Nagar,
Thavalakuppam, Puducherry- 605 007, India

Consumer Help Line : Manager Consumer Affairs
Ph: 011-41704999

Product use : Consumer

Poison Centre Information: National Poisons Information Centre, Dept. of Pharmacology,
All India Institute of Medical Sciences, New Delhi.

Section 2. Hazard(s) Identification

**Classification of the
substance or mixture:**



Xi Irritant

Risk Phrases :**R 36, Irritating to eyes****Section 3. Composition/Information on ingredients**

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Proportion (% w/w)</u>
Sodium Hydroxide	1310-73-2	<1%
Cocamidopropyl Betaine	86438-79-1	<5%
Lauryl Alcohol Ethoxylate	68439-50-9	<5%
Linear Alkyl Benzene Sulfonic Acid	68584-22-5	<5%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4. First Aid Measures

- Eye Contact :** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Seek medical advice.
- Skin Contact :** In keeping good hygienic practices, wash exposed areas with plenty of water.
- Inhalation :** No special measures required.
- Ingestion :** If swallowed, rinse mouth and drink a glass of water.
DO NOT induce vomiting. Call a physician or Poison Control Centre.
Never give anything by mouth to an unconscious person.
- Advice to Doctor:** Treat symptomatically.

Section 5. Fire - Fighting Measures

Suitable extinguishing media: Carbon dioxide, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Protective Equipment: No special measures required.

Special protective equipment for fire fighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Extinguishing media which must not be used for safety reasons: No information available.

Section 6. Accidental Release Measures

Personal precautions: Put on appropriate personal protective equipment.

Environmental precautions and clean-up methods:

Use appropriate containment to avoid environmental contamination. Absorb spill with inert material

(e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

Large spill should be collected and disposed according to local regulations.

Section 7. Handling and Storage

Handling:

Careful handling of chemicals is required. CAUTION: EYE IRRITANT. MAY BE HARMFUL IF SWALLOWED. Avoid contact with eyes and any prolonged contact with skin. Do not taste or swallow.

Storage:

Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place.

KEEP OUT OF REACH OF CHILDREN.

Section 8. Exposure Controls/Personal Protection

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment

Eye protection: Chemical-splash goggles.

Hand protection: Chemical-resistant gloves

Skin and body protection: Wear suitable protective clothes if the exposure is likely to be prolonged.

Respiratory protection: In case airborne dusting wear dust mask (P2 recommended).

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Exposure limits : There are no known exposure limits for this product since it does not contain relevant quantities of materials with critical values that have to be monitored at the workplace.

Section 9. Physical and Chemical Properties

Appearance : Clear, slightly viscous liquid. Colour Blue.

pH at 25 Deg C (Neat) : 6.0 – 7.5

Odour : Fruity

Solubility : Soluble

Viscosity : Approx. 100 cps

Specific Gravity at 25 Deg C: 1.0 – 1.1 g/ml

Evaporation Rate : No information available

Vapour Density : No information available

Boiling Point : Not determined

Melting Point/Range : Not determined

Decomposition temperature: Not determined

Autoignition temperature : No information available

Flash Point : Not determined

Section 10. Stability and Reactivity

Stability: The product is stable under normal conditions.

Conditions to avoid: Heat (>50 Deg C), Product contamination.

Hazardous decomposition products: Carbon oxide and unknown organic compounds.

Materials to avoid: Strong acids.

Section 11. Toxicological Information

Acute toxicity: Oral LD50 estimated to be > 5000 mg/kg based on raw material data.

Information on toxicological effects of components

Acute Toxicity

Product/Ingredient name	Result	Species	Dose	Exposure
Sodium Hydroxide (50% soln.)	LD50 Oral	Rat	220 mg/kg	-
Cocamidopropyl Betaine	LD50 Oral	Rat	1.5 – 5.0 g/kg	-
Lauryl Alcohol Ethoxylate	LD50 Oral	Rat	2750 mg/kg	-
Linear Alkyl Benzene Sulfonic Acid	LD50 Oral	Rat	2000 mg/kg	-

Chronic toxicity : None known

Specific effects

Carcinogenic effects : None known

Mutagenic effects : None known

Reproductive toxicity : None known

Target organ effects : None known

Section 12. Ecological Information

Do not discharge into sewer or waterways.

Refer to data for ingredients, which follows:

Ecotoxicity (for Sodium Hydroxide):

This material has exhibited slight toxicity to terrestrial organisms and moderate toxicity to aquatic flora & fauna.

Ecotoxicity (for Cocoamidopropyl Betaine):

Toxicity to fish :

LC50 (Danio rerio (zebra fish)): > 1 - 10 mg/l Exposure time: 96 h Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : not tested.

Toxicity to algae : EC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): 10.5 mg/l Exposure time: 72 h Method: OECD Test Guideline 201

NOEC (Desmodesmus subspicatus (Scenedesmus subspicatus)): 1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.5 mg/l Exposure time: 28 d Method: OECD Test Guideline 204

Toxicity to daphnia and other aquatic invertebrates: NOEC (Daphnia magna (Water flea)): > 0.1 - 1 mg/l Exposure time: 21 d (Chronic toxicity) Method: OECD Test Guideline 202

Toxicity to microorganisms : EC50 (Pseudomonas putida): > 1.000 mg/l

Ecotoxicity (for Linear Alkyl Benzene Sulfonic Acid) :

The product should not get into water without treatment. Dissolved in water, the material is easily bio degradable (90 %) and will not cause any disturbance in waste water treatment plants.

Ecotoxicity (for Lauryl Alcohol Ethoxylate) :

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Section 13. Disposal Considerations
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Waste from residues / unused products:

The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Dispose of contents/container in accordance with local regulation.

Section 14. Transport Information

General Remark	:	Not classified as hazardous for transport.
Dot Classification	:	Not a DOT Regulated material
Proper Shipping Name	:	Not applicable
Packaging Group	:	Not applicable
Maritime Transportation	:	Not applicable

Section 15. Regulatory Information

Symbol & Hazard indication of the product



Xi Irritant

Risk Phrases : R 36, Irritating to eyes

Safety Phrases : S26, In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Further indications on the label : Rinse hands with water after use. For prolonged contact protection for the skin may be necessary.

Section 16. Other Information

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. Our known hazards are described herein, however, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the product is the sole responsibility of the user.

Please read all labels carefully before using product.

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