

SAFETY DATA SHEET

MR. MUSCLE K3 ALUMINIUM SAFE DEGREASER CONCENTRATE

Section 1. Identification of the Material and Supplier

Product Name : BRILLON PROFESSIONAL MR. MUSCLE K3
ALUMINIUM SAFE DEGREASER CONCENTRATE

Product Code : K3_V11.4.24

Recommended Use : High performance Cleaner/ Degreaser for food contact and
other surfaces.

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:**



C Corrosive

Risk Phrases :**Hazards for man and environment****R 36, Irritating to eyes****Section 3. Composition/Information on ingredients**

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Proportion (% w/w)</u>
Butyl Cellosolve	111-76-2	<8%
Sodium Hydroxide	1310-73-2	<2%
Cocamidopropyl Betaine	86438-79-1	<5%
Cocamidopropylamine Oxide	68155-09-9	<5%
Linear Alkyl Benzene Sulfonic Acid 90%	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 : Flush with plenty of water.

Inhalation : No special measures required.

Ingestion : If swallowed, rinse mouth. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER.
DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Advice to Doctor: Treat symptomatically.

Section 5. Fire - Fighting Measures

Suitable extinguishing media: Dry chemical, water spray, foam, carbon dioxide.

Specific hazards: None known.

Unusual hazards: Corrosive material

Specific methods: No special methods 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.

Section 7. Handling and Storage

Handling:

Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapours or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

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: Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.

Respiratory protection: In case of insufficient ventilation can wear suitable respiratory equipment.

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, thin liquid. Colour orange.

pH : 10 – 11.5

Odour : Orange

Solubility : Soluble

Specific Gravity : 1.0 – 1.1

Viscosity : No information available

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

Polymerization: Hazardous polymerization does not occur

Hazardous decomposition products: None reasonably foreseeable.

Materials to avoid: Strong acids. Strong oxidising agents.

Section 11. Toxicological Information

Acute toxicity: Oral LD50 estimated to be between 1500 – 2000 mg/kg

Information on toxicological effects of components

Acute Toxicity

Product/Ingredient name	Result	Species	Dose	Exposure
Butyl Cellosolve	LD50 Oral	Rat	470 mg/kg	-
Sodium Hydroxide (50% soln.)	LD50 Oral	Rat	220 mg/kg	-
Cocamidopropylamine Oxide	LD50 Oral	Rat	> 5.0 g/kg	-
Cocamidopropyl Betaine	LD50 Oral	Rat	1.5 – 5.0 g/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 Butyl Cellosolve) :

Acute toxicity to fish

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

LC50, *Oncorhynchus mykiss* (rainbow trout), static test, 96 Hour, 1,474 mg/l, OECD Test Guideline 203

Acute toxicity to aquatic invertebrates

EC50, *Daphnia magna* (Water flea), static test, 48 Hour, 1,550 mg/l, OECD Test Guideline 202

Acute toxicity to algae/aquatic plants

EbC50, *Pseudokirchneriella subcapitata* (green algae), static test, 72 Hour, Biomass, 911 mg/l, OECD Test Guideline 201

Toxicity to bacteria

IC50, Bacteria, Growth inhibition, > 1,000 mg/l

Chronic aquatic toxicity

Chronic toxicity to fish

NOEC, *Danio rerio* (zebra fish), semi-static test, 21 d, > 100 mg/l Chronic toxicity to aquatic invertebrates NOEC, *Daphnia magna* (Water flea), semi-static test, 21 d, Other, 100 mg/l

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 Cocamidopropylamine Oxide) :

Shall not be classified as hazardous to the aquatic environment

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

Section 13. Disposal Considerations




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

Regulation	UN Number	Proper Shipping Name	Classes	*PG	Label	Additional Information
ADG	UN3266	Corrosive Liquid, Basic, Inorganic, N.O.S (Sodium Hydroxide)	8	III	 <i>C Corrosive</i>	Hazchem -2x Special Provisions – 223, 274
IMDG	UN3266	Corrosive Liquid, Basic, Inorganic, N.O.S (Sodium Hydroxide)	8	III	 <i>C Corrosive</i>	The marine pollutant mark is not required when transported in sizes of <= 5 L or 5 kg <u>Emergency schedules (EMS) F-A, S-B</u> Special Provisions – 223, 274
IATA	UN3266	Corrosive Liquid, Basic, Inorganic, N.O.S (Sodium Hydroxide)	8	III	 <i>C Corrosive</i>	The environmentally hazardous substance mark may appear if required by other transportation regulations

						Special Provisions – A3, A803
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Section 15. Regulatory Information

Symbol & Hazard indication of the product



C Corrosive

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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