SAFETY DATA SHEET
MR.MUSCLE C3 GLASS CLEANER CONCENTRATE

Section 1. Identification of the Material and Supplier

Product Name : **BRILLON PROFESSIONAL MR. MUSCLE C3 GLASS CLEANER CONCENTRATE**

Product Code : **C3_V11.4.24**

Recommended Use : Glass 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

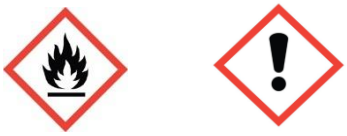
Poison Centre Information: National Poisons Information Centre, Dept. of Pharmacology, All India Institute of Medical Sciences, New Delhi.

Section 2. Hazard(s) Identification

Classification of the substance or mixture **:** Flammable liquid Category 3
Irritant to eye

GHS Label elements

Hazard Pictograms:



Signal word : Warning

Hazard statements:
H226 Flammable liquid and vapour.
H319 Causes serious eye irritation

Precautionary Statements :

Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear eye protection/ face protection.

Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.

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

Section 3. Composition/Information on ingredients

Hazardous components

Chemical name	CAS-No.	Concentration (%)
Isopropyl Alcohol	67-63-0	<25%
Sodium Lauryl Ether Sulphate 28%	68891-38-3	<5%
Acetic Acid	64-19-7	<3%
Lactic Acid	79-33-4; 50-21-5(general CAS number)	<3%

Other Non-Hazardous ingredients to 100%

Section 4. First Aid Measures

General Advice :
In the case of accident or if you feel unwell, seek medical advice immediately.
When symptoms persist or in all cases of doubt seek medical advice.

If inhaled :
If inhaled, remove to fresh air. If symptoms persist, call a physician.

In case of skin contact :
Wash with water and soap as a precaution. Get medical attention if irritation develops and persists.

In case of eye contact :
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
If easy to do, remove contact lens, if worn. Seek medical advice.

If swallowed
If swallowed, DO NOT induce vomiting. Rinse mouth with water. Obtain medical attention.

Most important symptoms and effects, both acute and delayed :
Causes serious eye irritation.

Protection of first-aiders :
First Aid responders should pay attention to self-protection and use the recommended protective clothing.

Section 5. Fire - Fighting Measures

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. May form explosive mixtures in air.
Hazardous combustion products	:	Carbon oxides

Specific extinguishing methods :
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Keep people away from and upwind of spill/leak.
Material can create slippery conditions.

Environmental precautions:
Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up:
Non-sparking tools should be used.
Soak up with inert absorbent material.
Suppress (knock down) gases/vapours/mists with a water spray jet.
Keep in suitable, closed containers for disposal.
Clean contaminated floors and objects thoroughly while observing environmental regulations.

Section 7. Handling and Storage

Advice on safe handling:
For personal protection see section 8.
Keep away from heat, sparks and open flame.
Use with local exhaust ventilation.
Avoid contact with eyes.

Conditions for safe storage:
Take measures to prevent the build up of electrostatic charge.
Keep in properly labelled containers.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Store in accordance with the particular national regulations.

Section 8. Exposure Controls/Personal Protection

Components with workplace control parameters

Components	CAS-No.	Source	Value
Isopropyl Alcohol	67-63-0	OSHA	TWA : 400 ppm (980 mg/m3) STEL : 500 ppm
		ACGIH	TWA : 200 ppm STEL :400 ppm Revised 2003
		NIOSH	TWA : 400 ppm (980 mg/m3) ST 500 ppm (1225 mg/m3)
		Supplier	No Established Limit

Personal protective equipment
Respiratory protection:
No personal respiratory protective equipment normally required.

Hand protection Remarks:
No special protective equipment required.

Eye protection:
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection:
No special measures necessary provided product is used correctly.

Protective measures:
Choose body protection in relation to its type, to the concentration and amount of dangerous substances
and to the specific work-place.
Ensure that eye flushing systems and safety showers are located close to the working place.

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

Section 9. Physical and Chemical Properties

Appearance	:	Clear transparent Liquid
Colour:	:	Blue
Odour	:	Characteristic Pungent
pH	:	3.0 – 5.0 (25 °C)
Specific Gravity	:	0.985 – 1.005 (25 °C)
Melting point/freezing Point	:	No data available
Boiling point	:	No data available
Flash point	:	Not measured
Evaporation rate	:	No data available
Flammability (solid, gas):		Not applicable
Upper explosion limit:		No data available
Lower explosion limit:		No data available

Vapour pressure	:	No data available
Relative vapour density:		No data available
Solubility in water	:	Soluble
Partition coefficient n-octanol/water	:	Not applicable
Auto-ignition temperature:		No data available
Thermal decomposition:		The substance or mixture is not classified self-reactive.
Viscosity	:	Not measured
Oxidizing properties:		The substance or mixture is not classified as oxidizing.

Section 10. Stability and Reactivity

Reactivity	:Not classified as a reactivity hazard.
Chemical stability	:Stable under normal conditions.
Possibility of hazardous reactions	:Vapours may form explosive mixture with air.
Conditions to avoid	:Heat, flames and sparks.
Incompatible materials	:Strong oxidizing agents, Flammable solids Self-reactive substances and mixtures Water-reactive substances

Section 11. Toxicological Information

Information on likely routes of exposure:
Inhalation
Eye contact
Skin contact

Acute toxicity: Not classified based on available information.

Components:
Isopropyl Alcohol:
Acute oral toxicity:
LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity:
LC50 (Rat): 72.6 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity:
LD50 (Rat): > 5,000 mg/kg

Skin corrosion/irritation: Not classified based on available information.

Components:
Isopropyl Alcohol:
Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation: Causes serious eye irritation.

Components:
Isopropyl Alcohol:
Species: Rabbit
Result: Irritation to eyes, reversing within 21 days

Respiratory or skin sensitisation:
Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

Components:
Isopropyl Alcohol:
Test Type: Buehler Test
Exposure routes: Skin contact
Species: Guinea pig
Method: OECD Test Guideline 406
Result: negative

Germ cell mutagenicity: Not classified based on available information.

Components:
Isopropyl Alcohol:
Species: Rat
Application Route: inhalation (vapour)
Exposure time: 104 weeks
Method: OECD Test Guideline 451
Result: negative

Reproductive toxicity: Not classified based on available information.

Components:
Isopropyl Alcohol:
Effects on fertility:
Test Type: Two-generation reproduction toxicity study
Species: Rat
Application Route: Ingestion
Result: negative

Effects on foetal development:
Test Type: Embryo-foetal development
Species: Rat
Application Route: Ingestion
Result: negative

STOT - single exposure: Not classified based on available information.

Components:
Isopropyl Alcohol:
Assessment: May cause drowsiness or dizziness.

STOT - repeated exposure: Not classified based on available information.

Components:
Isopropyl Alcohol:
Species: Rat
NOAEL: 5000 ppm
Application Route: inhalation (vapour)
Exposure time: 104 w
Method: OECD Test Guideline 413

Aspiration toxicity: Not classified based on available information.

Section 12. Ecological Information

Ecotoxicity: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components:
Isopropyl Alcohol:
Toxicity to fish:
LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:
EC50 (Daphnia magna (Water flea)): > 10,000 mg/l
Exposure time: 24 h

Toxicity to bacteria:
EC50 (Pseudomonas putida): > 1,050 mg/l
Exposure time: 16 h

Persistence and degradability:
Components:
Isopropyl Alcohol:
Biodegradability:
Result: rapidly degradable

Bioaccumulative potential:
Components:
Isopropyl Alcohol:

Partition coefficient: n-octanol/water:
log Pow: 0.05

Mobility in soil
No data available
Other adverse effects
No data available

Section 13. Disposal Considerations

Waste from residues / unused products:

Waste is classified as hazardous waste. Dispose to licensed waste disposal site in accordance with
The local Waste Disposal Authority. Do not puncture or incinerate even when empty.

Waste treatment methods

Confirm disposal procedures with environmental engineer and local regulations. Make sure containers
are empty before discarding (explosion risk). Empty containers must not be burned because of explosion hazard. Recover and reclaim or recycle, if practical.

Section 14. Transport Information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	UN1219	UN1219	UN1219	UN1219	UN1219	UN1219
UN proper shipping name	ISOPROPANOL	ISOPROPANOL	Isopropyl alcohol	(Isopropyl alcohol)	ISOPROPANOL	ISOPROPANOL
Transport hazard class(es)	3 	3 	3 	3 	3 	3 
Packing group	II	II	II	II	II	II
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	**Hazard identification number** UN1219	-	-

Section 15. Regulatory Information

Components:
Isopropyl Alcohol:

TSCA Inventory Status	Listed on the TSCA inventory
DSCL (EEC)	Listed on the DSCL inventory
California Proposition 65	Not listed
SARA 302	Not listed
SARA 304	Not listed
SARA 311	Fire Hazard. Acute health hazard. Chronic health hazard.
SARA 312	Fire Hazard. Acute health hazard. Chronic health hazard.
SARA 313	Listed : Isopropyl Alcohol
WHMIS Canada	Class B-2: Flammable and combustible – Flammable liquid Class D-2B: Poisonous and infectious material- Other effects - Toxic

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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