

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	M-Clean (Aerosol)
Use of substance	Cleaning
Manufacturer/Supplier	ITW Chemin, ITW INDIA PRIVATE LIMITED
Address	Plot No: 34-37, Phase- 2, IDA, TSIIC, Pashammylaram, Sangareddy Dist-502307, INDIA
Phone Number	+91 8455 224700/01
Fax Number	+91 8455 224705
Emergency Cell Number	+919000031515
E-Mail	chemininfo@itwchemin.com
Website	www.itwchemin.com

2. HAZARD IDENTIFICATION

GHS Label elements:

Hazard statements:

- H223: Flammable aerosol.
- H229: Pressurized container: May burst if heated
- H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms:

- GHS02: Flame
- GHS07: Exclamation mark
- GH280: Contains gas under pressure; may explode if heated



Signal words: Danger

Precautionary statements:

- P102: Keep out of reach of children
- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
- P211: Do not spray on an open flame or other ignition source
- P410 + 412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
- P285: In case of inadequate ventilation wear respiratory protection.
- P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.
- P304 & 340: IF INHALED: Remove person to fresh air and keep comfortable for breathing unwell

3. COMPOSITION/INFORMATION ON THE COMPONENTS

No Hazardous components as per OSHA'S HAZARD COMMUNICATION STANDARD 29CFR1910.1200

Component Name	CAS#	Concentration
2-Propanol	67-63-0	10-30%
2-Propanone	67-64-1	30-40%
Heptane	142-82-5	10-20%
Propellant	68476-85-7	20-30%

4. FIRST AID MEASURES

4.1: First aid measures

4.2: Symptoms

Eye contact	Rinse carefully under upper and lower eyelids using plenty of water for at least 10 min	May be Mild irritation at the site of contact
Skin contact	Remove contaminated clothing. Wash exposed areas with soap and water Do not induce vomiting. Accidental ingestion of a	May be Irritation and redness
Ingestion	single mouthful is not expected to cause significant harm. Rinse mouth with water.	May be irritation of throat
Inhalation	Remove to fresh air if dizzy or nauseated. In case of loss of consciousness, give artificial respiration.	May be coughing and sore throat.

5. FIRE FIGHTING MEASURES

5.1	Extinguishing Media	Carbon Dioxide, foam, water, dry chemicals
5.2	Specific hazards arising from the chemical	Ignition will occur if used near flames, arcs or any other ignition source. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.
5.3	Advice for fire-fighters	Full protective clothing and self containing breathing apparatus.
5.4	Unsuitable Extinguishing Media	Aerosol cans may burst at temperatures over 50 °C and add to existing fire.

6. ACCIDENTAL RELEASE MEASURES

6.1	Personal Precautions	Personal Protection Equipment must be worn. See Section 8.
6.2	Environmental Precautions	NA
	Methods and material	Prevent product from entering drains \surface water\ground water.
6.3	for containment and cleaning up	Remove sources of ignition. Mop up or sweep up with absorbent (For disposal, see Section 13)

7. HANDLING AND STORAGE

7.1 Handling

Ensure good ventilation.

Do not spray on a naked flame or any incandescent material.

Do not pressurize, cut, heat or weld containers (empty product containers may contain product residue)

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Do not smoke.

Avoid proximity or contact with hot surfaces, flames or sparks.

Store in dry, cool and well ventilated area.

Keep container tightly closed.

Protect from sunlight and do not expose to temperature exceeding 50°C.

Keep away from heat.

7.2 Storage

Keep away from all sources of ignition.

Avoid breathing vapors.

Avoid eye contact.

Avoid repeated or prolonged skin contact.

Avoid breathing spray mist.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Control parameters** DNEL / PNEC No data available.

8.2 **Engineering Control Measures** When using, do not eat, drink or smoke. None, unless sprayed. Use where ventilation will carry spray mist away from occupied areas.

8.3 **Individual protection measures, such as personal protective equipment** Mandatory

Respiratory Protection Ensure good ventilation.
High vapor concentration: gas mask, filter A.
In case of insufficient ventilation wear suitable respiration equipment.
Respirator with filter if sprayed in enclosed unventilated space.

Hand Protection Handle according to good industrial hygiene and safety procedures. Appropriate protective clothing and gloves. Wear nitrile rubber gloves if hand exposure is unavoidable.

Eye Protection Wear safety glasses to protect eyes.

Body Protection Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.).	Colorless
Odor	Characteristic
Viscosity	NA
pH	Not applicable
Melting Point/Freezing point	<20°C
initial boiling point and boiling range.	55 °C
flash point.	-18 °C
evaporation rate.	Not Applicable
flammability (solid, gas).	Not established
upper/lower flammability or explosive limits.	Not Applicable
vapor pressure.	19 Kpa
vapor density.	Not Applicable
Relative density/spec gravity	0.82±0.01

solubility(ies).	In soluble in water
Partition coefficient: n-octanol/water.	Not established
Auto ignition temperature.	370°C
Decomposition temperature.	Not established

NOTE: The above data are typical values and cannot be inferred as specifications

10. STABILITY AND REACTIVITY

10.1	Reactivity	None
10.2	Chemical stability	Stable under normal condition
10.3	Possibility of Hazardous reaction	None
10.4	Condition to avoid	Temperatures above 50 °C . Avoid proximity or contact with flames or sparks.
10.5	Incompatible material	Not Known
10.6	Hazardous Decomposition Products	None

11. TOXICOLOGICAL INFORMATION

11.1	Routes of exposure	Refer to section 4 of SDS for routes of exposure and corresponding symptoms
------	---------------------------	---

12. ECOLOGICAL INFORMATION

12.1	Eco toxicity	Expected to be toxic to a aquatic organisms
12.2	persistence and degradability	No data available
12.3	Bio accumulative potential	Expected to be toxic to a aquatic organisms
12.4	Mobility in soil.	No data available
12.5	Other adverse effects

13. DISPOSAL

13.1	Product Disposal	IThis product is not suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. Dispose of in a safe manner ,in accordance with local regulations
	Container Disposal	Dispose of in a safe manner ,in accordance with local regulations. Empty aerosol cans before disposal. Non hazardous waste as per classification in The Hazardous Wastes (Management and Handling) Rules 1989, of CPB, India

14. TRANSPORT INFORMATION

14.1	UN number	1950
14.2	UN proper shipping name	Shipping name: " Aerosols"
14.3	Transport hazard class(es)	ADR/RID; LQ2 Class: 2,5F Label: 2.1 Maritime Transport (IMO-IMDG): LQ=1L Class: 2 EMS: F-D, S-U Marine pollutant: NA Air Transport (CAO/IATA): Class: 2 Packing instructions; 203

- 14.4 Packing group 2
- 14.5 **Environmental hazards** Environmentally Hazard : No
Marine Pollutant : yes
- 14.6 Special precautions for user

15. REGULATORY INFORMATION

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture** Highly flammable
- 15.2 **Chemical Safety Assessment** None

Note The regulatory information given above only indicates the principle regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national and local regulations or provisions.

16. OTHER INFORMATION

Product Use For industrial use only.

SDS first issued Aug 2016

Legal disclaimer The above information is believed to be correct but does not purport to be all-inclusive and shall be only used as guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.