

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	BRACKLICK_500 ml (Aerosol)
Use of substance	Brakes & Parts Cleaning
Manufacturer/Supplier	ITW Chemin, ITW INDIA PRIVATE LIMITED
Address	Plot No: 34-37, Phase- 2, IDA, TSIIIC, Pashamylaram, Sangareddy Dist- 502307, INDIA
Phone Number	+91 8455 224700/01
Fax Number	+91 8455 224705
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E-Mail	chemininfo@itwchemin.com
Website	www.itwchemin.com

2. HAZARDS IDENTIFICATION

GHS Label elements:

Hazard statements:

- H222: Extremely 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
- GHS04: Contains gas under pressure; may explode if heated
- GHS09: Environment Hazard



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

Component Name	CAS#	Concentration
Heptane	142-82-5	65 – 75%
Propan-2-ol	67-63-0	25 - 35%
C8-C11 isoalkanes	----	5 – 10%
Propellant	124-38-9	1.0 – 2.5%

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	May be Irritation and redness
Ingestion	Do not induce vomiting. Accidental ingestion of a 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

Extinguishing Media	Carbon Dioxide, foam, water, dry chemicals
Specific hazards arising from the chemical	In combustion emits toxic fumes of carbon dioxide / carbon monoxide.
Advice for fire-fighters	Full protective clothing and self-containing breathing apparatus.
Unsuitable Extinguishing Media	Aerosol cans may burst at temperatures over 50 0C and add to existing fire.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

Handling	<p>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.</p>
Storage	<p>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 0 C. Keep away from heat. Keep away from all sources of ignition. Avoid breathing vapors. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid breathing spray mist.</p>

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	DNEL / PNEC No data available.	
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.	
Individual protection measures, such as personal protective equipment	Use basic PPEs based on application	
Respiratory Protection	<p>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.</p>	
Hand Protection	Handle according to good industrial hygiene and safety procedures. protective clothing and gloves	Appropriate
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	No data available
Melting Point/Freezing point	< -90°C
Initial boiling point and boiling range.	>85 °C

Flash point (COC)	-4 °C
Evaporation rate.	10.0 (ether=1)
Flammability (solid, gas).	Flammable
Upper/lower flammability or explosive limits.	Data not available
Vapor pressure.	19 Kpa
Vapor density.	Not applicable
Relative density.	0.70±0.02 Kg/m3
Solubility(ies).	Data not available
Partition coefficient: n-octanol/water.	Data not available
Auto ignition temperature.	240°C
Decomposition temperature.	Data not available

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

10. STABILITY AND REACTIVITY

Reactivity	None
Chemical stability	Stable under normal condition
Possibility of Hazardous reaction	None
Condition to avoid	Temperatures above 50 °C . Avoid proximity or contact with flames or sparks.
Incompatible material	None
Hazardous Decomposition Products	None

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL

Product Disposal	This 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/national/international regulations.
Container Disposal	Empty aerosol cans before disposal. Nonhazardous waste as per classification in The Hazardous Wastes Management Rules.

14. TRANSPORT INFORMATION

UN number	1950
UN proper shipping name	Shipping name: "Aerosol"
Transport hazard class(es)	ADR/RID: Class:2,5 F Label:2.1 Maritime Transport (IMO-IMDG): LQ = 1L Class: 2 EMS: F-D, S-U Marine pollutant: --Air Transport (CAO/IATA): Class: 2 Packing instructions; 203
Packing group	
Environmental hazards	Environmentally Hazard : yes Marine Pollunt : yes
Special precautions for user	

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	No significant Hazard
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	Cleaner. For industrial use only.
SDS first issued	Jan 2013
SDS Revised on	Nov' 22
Revision No	5
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.