



SWADESH(INDIA) CHEMICAL PVT.LTD.

MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:

- **Acetone (ACS Grade)**
- **Synonyms:** 2-Propanone, Dimethyl Ketone, Propanone

Manufacturer/Supplier:

Swadesh (India) Chemical Pvt. Ltd.

Address:

Survey No: 512, Plot No. 7,
Shri Hari Industrial Park,
Kadadra Village, Near ZAK GIDC,
Dehgam, Gandhinagar, Gujarat, India – 382330

Contact:

- Email: business@swadeshindia.in
- Website: www.swadeshindia.in

Recommended Use:

- Industrial solvent, laboratory reagent, pharmaceutical intermediate

2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Acetone	67-64-1	≥99.5%

Additional Notes:

- <0.1% methanol, ethanol (if present)



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3. HAZARDS IDENTIFICATION

GHS Classification:

- Flammable Liquid (Category 2, H225)
- Eye Irritant (Category 2, H319)
- Central Nervous System Depression (Category 3, H336)

Hazard Statements (H-Codes):

- Highly flammable liquid and vapor
- Causes serious eye irritation
- May cause drowsiness or dizziness

Precautionary Statements (P-Codes):

- P210: Keep away from heat/sparks/open flames
- P280: Wear protective gloves/eye protection
- P303+P361+P353: IF ON SKIN: Remove contaminated clothing, rinse skin

4. FIRST AID MEASURES

- **Inhalation:** Move to fresh air; no treatment usually needed.
- **Skin Contact:** Wash with soap and water.
- **Eye Contact:** Rinse gently with water for 15 mins; seek medical advice if irritation persists.
- **Ingestion:** Do NOT induce vomiting. Seek medical attention if aspirated.

5. FIRE FIGHTING MEASURES

- Extinguishing Media: Alcohol-resistant foam, CO₂, dry chemical
- Flash Point: -20°C (closed cup)
- Autoignition Temp.: 465°C
- Explosion Limits: 2.5-12.8% (v/v in air)

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- Personal Precautions: Use appropriate PPE
- Containment Methods: Contain spill with inert absorbent material
- Environmental Precautions: Prevent entry into sewers or water courses



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7. HANDLING AND STORAGE

- **Handling:**
 - Use only in well-ventilated areas. Ground all equipment
- **Storage:**
 - Store in tightly closed containers in cool, well-ventilated area away from heat sources

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** Use local exhaust ventilation
- **PPE:**
 - **Respiratory:** NIOSH-approved respirator if ventilation is inadequate
 - **Skin Protection:** Chemical-resistant gloves (nitrile recommended)
 - **Eye Protection:** Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear, colorless oil
Odor	Characteristic sweet
Boiling Point	56°C
Melting Point	-95°C
Density (20°C)	0.791 g/cm ³
Solubility	Miscible in water

10. STABILITY AND REACTIVITY

Chemical Stability:

- Stable under recommended conditions

Incompatible Materials:

- Strong oxidizers, acids, bases



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11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- LC₅₀ (rat): 5,800 mg/kg (oral).

Skin Effects:

- May cause mild irritation

Eye Irritation:

- Causes serious eye irritation

12. ECOLOGICAL INFORMATION

- **Biodegradability:** Readily biodegradable
- **Aquatic Toxicity:** LC₅₀ (Fish): 4,200 mg/L

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

- Dispose in accordance with local regulations

14. TRANSPORT INFORMATION

DOT/IMO/IATA:

- Non-hazardous for transport

15. REGULATORY INFORMATION

India:

- Compliant with CPCB regulations

International:

- REACH registered
- OSHA compliant



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16. ADDITIONAL INFORMATION

Revision Date :20/04/24

Disclaimer: This MSDS is provided for informational purposes only. Users should make their own determination of suitability for any particular purpose.