



NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
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Safety Data Sheet (MSDS) - Acetone

According to: GB/T 16483, GB/T 17519, GHS Rev.9, IMDG, IATA, EU REACH
Product Name: Acetone
CAS Number: 67-64-1
Product Number: ACE-20260228
Brand: SIGALD
Revision Date: 28 FEB 2026
Supplier: NEWAY SINOPHC TECH. LIMITED
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SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifiers

- Product Name: Acetone
- CAS-No.: 67-64-1
- MDL No.: MFCD00008784
- Synonyms: Propanone; Dimethyl ketone; 2-Propanone
- Product Number: ACE-20260228
- Form: Colorless transparent liquid (Industrial Grade)
- Grade: Industrial Grade (≥99.8%) / Electronic Grade (≥99.95%)

1.4 Relevant Identified Uses and Uses Advised Against

- **Identified Uses:** Chemical synthesis raw material; coating/ink solvent; electronic precision cleaning agent; plastic/rubber solvent; pharmaceutical extraction solvent; daily chemical raw material.
- **Uses Advised Against:** Not for food, feed and cosmetic direct contact (except approved daily chemical formulations); not for medical injection use; do not use as fuel; do not mix with strong oxidants/strong acids/strong reducing agents.

SECTION 2: Hazards Identification

2.1 GHS Classification

- Flammable liquids, Category 1 - H224
- Acute toxicity, inhalation, Category 4 - H332
- Skin irritation, Category 2 - H315
- Eye irritation, Category 2A - H319
- Specific target organ toxicity - single exposure, Category 3 (Central nervous system) - H335

2.2 GHS Label Elements

- Hazard Pictogram: (Extremely Flammable) (Irritant)
- Signal Word: **Danger**
- **Hazard Statements:**
 - H224: Extremely flammable liquid and vapor
 - H315: Causes skin irritation
 - H319: Causes serious eye irritation
 - H332: Harmful if inhaled
 - H335: May cause respiratory tract irritation
- **Precautionary Statements:**
 - P210: Keep away from heat, sparks, open flames and hot surfaces. No smoking.
 - P233: Keep container tightly closed.
 - P240: Ground and bond container and receiving equipment.
 - P241: Use explosion-proof electrical/ventilating/lighting equipment.
 - P242: Use only non-sparking tools.
 - P243: Take action to prevent static discharges.
 - P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
 - P264: Wash hands thoroughly after handling.
 - P280: Wear protective gloves/eye protection/face protection.
 - P302+P352: If on skin: Wash with plenty of water/soap.
 - P304+P340: If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 - P332+P313: If skin irritation occurs: Get medical advice/attention.
 - P337+P313: If eye irritation persists: Get medical advice/attention.
 - P370+P378: In case of fire: Use dry powder or carbon dioxide to extinguish.

- P403+P235: Store in a well-ventilated place. Keep cool.
- P405: Store locked up.
- P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3-2.6 Hazards Summary

- **Physical/Chemical Hazards:** Extremely flammable liquid and vapor; vapor may form explosive mixtures with air at room temperature; reacts violently with strong oxidants to cause combustion and explosion; static electricity may ignite vapor; no polymerization under normal conditions.
- **Health Hazards:** Harmful if inhaled, high-concentration vapor causes dizziness, headache and central nervous system depression; mild skin irritation (redness, dryness); serious eye irritation (tearing, redness); respiratory tract irritation from prolonged vapor inhalation.
- **Environmental Hazards:** Slightly toxic to aquatic life; readily biodegradable in the environment, no long-term accumulation; no significant soil and groundwater pollution risk at normal use concentration.
- **Other Hazards:** No carcinogenic, mutagenic or reproductive toxic effects confirmed; high vapor pressure, easy to form explosive mixtures in confined spaces.

SECTION 3: Composition/Information on Ingredients

- **Substance/Mixture:** Pure organic compound (no hazardous additives)
- **Active Ingredient:** Acetone (100% w/w; CAS:67-64-1; Molecular Formula: C₃H₆ O; Molecular Weight:58.08 g/mol)
- **Impurities:** Trace water, acetic acid and heavy metals (all meet industrial/electronic grade limits, non-hazardous alone)
- **Hazardous Components:** Acetone (100%) - GHS Classification: H224, H315, H319, H332, H335

SECTION 4: First Aid Measures

4.1 Description of First-Aid Measures

- **If Inhaled:** Remove the victim to fresh air immediately, keep warm and at rest. Ensure unobstructed breathing; if breathing is difficult, give oxygen. Do not give artificial respiration if breathing stops; use a mechanical respirator. Consult a physician immediately if dizziness, headache or loss of consciousness occurs.
- **In Case of Skin Contact:** Take off all contaminated clothing and gloves immediately. Rinse the affected area with **plenty of running water and soap** for 5~10 minutes. Apply hypoallergenic moisturizer to relieve dryness; consult a physician if irritation or redness persists.
- **In Case of Eye Contact:** Do not rub eyes; pry open upper and lower eyelids and rinse with plenty of running water for 10~15 minutes (rinse from inner to outer corner). Remove contact lenses if present and easy to do. Consult an ophthalmologist immediately if eye irritation/tearing persists for more than 24 hours.
- **If Swallowed:** Rinse mouth with water immediately, **do not induce vomiting** (may cause respiratory tract aspiration). Drink a small amount of water to dilute the solvent; call a poison center/physician immediately if abdominal pain/nausea/vomiting occurs.

4.2 Most Important Symptoms and Effects

- **Acute Effects:** Dizziness, headache, nausea and loss of consciousness from high-concentration vapor inhalation; mild skin redness/dryness; eye redness/tearing/photophobia; respiratory tract cough/chest tightness.
- **Delayed Effects:** Chronic dry skin and dermatitis from long-term skin contact; recurrent headache from prolonged low-concentration vapor inhalation.
- **Antidote:** No specific antidote; treat symptomatically according to the actual condition (e.g., anti-irritation, respiratory support, central nervous system symptom relief).

4.3 Immediate Medical Attention

Get medical attention immediately if accidental ingestion, severe eye/skin irritation, respiratory tract discomfort or central nervous system symptoms (dizziness, loss of consciousness) occur; regular medical check-ups are recommended for long-term operators.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

- **Suitable:** Dry powder, carbon dioxide (CO₂), foam (alcohol-resistant); water spray (cool the container, not for direct fire extinguishing).
- **Unsuitable:** High-pressure water jet (may splash flammable liquid and spread fire).

5.2 Special Hazards Arising from the Substance or Mixture

- Extremely flammable liquid and vapor; vapor forms **explosive mixtures with air** (explosion limit: 2.5~12.8% v/v) at room temperature; burning produces carbon monoxide (CO) and small amounts of carbon dioxide (CO₂).
- High temperature causes rapid solvent volatilization, increasing fire/explosion risk; the container may rupture due to thermal expansion in fire; static electricity can ignite vapor without open fire.
- No hazardous polymerization during combustion; no other hazardous decomposition products.

5.3 Advice for Firefighters

- Wear **full set of fire-fighting gear** (positive pressure self-contained breathing apparatus, fire-proof protective clothing, anti-slip fire boots); fight the fire from the upwind direction and above the fire, keep a safe distance from the fire scene.
- Cool the burning and surrounding containers with water spray continuously to prevent thermal expansion and rupture; cut off the fuel source before fire extinguishing if possible; eliminate static electricity in the fire scene.
- Evacuate the fire scene in time if the container is deformed or the safety valve is sounding; after the fire, ventilate the scene thoroughly to remove residual vapor and prevent secondary explosion.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions

- Wear **Level B personal protective equipment** (organic vapor respiratory mask, chemical safety goggles, nitrile rubber gloves, anti-static protective clothing); no unprotected personnel enter the spill area.
- Eliminate all ignition sources (open fire, smoking, electrical sparks) in the spill area; use anti-static equipment for operation to prevent static electricity accumulation and ignition.
- Ensure good ventilation (local exhaust ventilation for indoor spills); set up a warning zone with "Extremely Flammable Liquid, No Open Fire" signs.

6.2 Environmental Precautions

- Prevent spilled liquid from flowing into sewers, rivers, lakes and other water bodies; use sand/bags to block the overflow immediately if necessary.
- Do not flush the spill with a large amount of water directly (may expand the spill range and cause water body pollution); absorb the spilled liquid with inert materials first.
- Collect all contaminated wastewater for centralized treatment to meet discharge standards before release.

6.3 Containment and Cleaning Up

- **Small Spill:** Absorb the liquid with inert absorbent materials (diatomite, sand, vermiculite) and put it into a sealed explosion-proof HDPE container; wipe the spill area with ethanol and ventilate to dry completely; do not use a vacuum cleaner (may generate static electricity).
- **Large Spill:** Contain the liquid with anti-static sand bags/dikes; transfer the spilled liquid to a sealed explosion-proof drum with an anti-static pump; label the drum with "Acetone - Extremely Flammable Liquid, Irritant".
- Collect all contaminated absorbent materials and waste liquid into sealed explosion-proof containers for hazardous waste disposal; do not mix with household waste or non-hazardous industrial waste.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

- Operate in a **well-ventilated, fire-proof and anti-static operation area**; install local exhaust ventilation at the operation point to collect vapor (airflow rate ≥ 2.0 m/s); the operation area should be away from high temperature sources and ignition sources.
- Use anti-static tools and equipment (no iron/steel tools that produce sparks); avoid generating splashes and vapor during handling (slow pouring, sealed transfer); use ground and bonding measures for all containers and equipment.
- Do not mix with strong oxidants (H₂O₂, KMnO₄), strong acids (concentrated HCl, H₂SO₄) and strong reducing agents (NaBH₄, LiAlH₄) to prevent violent chemical reactions and fire/explosion risk.



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- **Hygiene Measures:** Wash hands and face with soap and water thoroughly after handling; apply moisturizer to prevent skin dryness; do not eat, drink or smoke in the operation area; provide dedicated hand washing and shower facilities.
- Avoid long-term direct skin contact and vapor inhalation; limit the operation time in confined spaces and take intermittent rest.

7.2 Safe Storage Conditions

- **Temperature & Ventilation:** Store in a **cool, dry, well-ventilated and fire-proof warehouse** at 0~25°C; install explosion-proof ventilation and lighting equipment; the warehouse temperature should not exceed 30°C; the warehouse should be at least 30m away from residential areas and high temperature sources.
- **Packaging:** Keep in the original sealed anti-static HDPE/steel container; ensure no vapor leakage and moisture absorption; use explosion-proof caps for sealing; the packaging should be marked with clear hazard signs.
- **Incompatibilities:** Strong oxidants, strong acids, strong reducing agents, halogenated hydrocarbons, food/feed, pharmaceutical raw materials, oxidizing salts.
- **Storage Class:** Extremely flammable liquid (Class 3); store in a dedicated flammable liquid warehouse in accordance with GB 15603; separate from incompatible materials with isolation distance $\geq 5\text{m}$; place on anti-static shelves (no metal shelves directly); the maximum storage volume in a single warehouse should comply with national regulations.
- **Shelf Life:** 12 months (unopened, under specified storage conditions); use within 1 month after opening, reseal tightly and store in a cool dark place.
- **Other:** The storage area is equipped with dry powder/CO₂ fire extinguishers and fire sand; set up obvious "Extremely Flammable", "No Smoking", "Anti-static" and "Wear PPE" warning signs; no open fire and high temperature sources in the warehouse; the warehouse should have leakage collection and treatment facilities.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

- **Occupational Exposure Limit (OEL):**
 - China (MAC): 400 mg/m³ (8h TWA)
 - US OSHA (PEL): 1000 ppm (2380 mg/m³, 8h TWA)
 - EU (ELV): 500 ppm (1190 mg/m³, 8h TWA); 750 ppm (1785 mg/m³, STEL)
- **Biological Exposure Limit:** Urine acetone ≤ 100 mg/L (post-shift)

8.2 Exposure Controls

- **Engineering Controls:** Install **anti-static local exhaust ventilation (LEV)** at the operation point with PP/PTFE ducting; use sealed transfer pumps and pipelines for bulk handling; the operation area has overall mechanical ventilation (air exchange rate ≥ 15 times/h); set up gas detection alarms in confined spaces.
- **Personal Protective Equipment (PPE):**
 - Eye/Face: Chemical safety goggles (mandatory for all operations); face shield for large-scale handling to avoid splashes.
 - Skin: Nitrile rubber gloves (thickness $\geq 0.2\text{mm}$), anti-static protective clothing, anti-slip anti-static shoes; protective apron and arm guards for liquid transfer; replace gloves regularly to avoid damage.
 - Respiratory: Organic vapor cartridge respirator (for normal operation); positive pressure SCBA for spill, fire, confined space or poor ventilation conditions.
 - Other: Anti-static cap, anti-static wristband (for electronic cleaning application); protective cream for skin protection.
- **Biological Monitoring:** Conduct urine acetone testing for long-term operators every 6 months; annual occupational health check (respiratory tract, skin, central nervous system).

SECTION 9: Physical and Chemical Properties

表格

Property	Value (25°C, 760 mmHg)
Physical State	Colorless transparent liquid
Odor	Characteristic pungent ketone odor
Molecular Formula	C ₃ H ₆ O
Molecular Weight	58.08 g/mol

Property	Value (25°C, 760 mmHg)
Density	0.784 ~ 0.786 g/cm ³
Boiling Point	55.5 ~ 56.5°C
Freezing Point	-94°C
Flash Point (Closed cup)	-18°C
Autoignition Temperature	465°C
Explosion Limits	2.5 ~ 12.8% (v/v in air)
Refractive Index (n _D ^{25°})	1.356 ~ 1.358
Viscosity	0.32 mPa·s
Vapor Pressure	24.0 kPa
Relative Vapor Density (air=1)	2.0
Solubility	Miscible with water, methanol, ethanol, ether, acetone, toluene, resins
Surface Tension	23.7 mN/m
pH Value (25°C, pure liquid)	6.0 ~ 7.0 (neutral)
Flammability	Extremely flammable liquid (Class 3)
Oxidizing Properties	None
Polymerization	No polymerization under normal conditions
Volatility	Highly volatile, fast evaporation rate

SECTION 10: Stability and Reactivity

10.1 Chemical Stability

Stable under **recommended storage and use conditions (0~25°C, sealed, anti-static)**; no decomposition, polymerization or chemical reaction; stable to light and heat at normal temperature; no hydrolysis in water.

10.2-10.5 Reactivity Summary

- No hazardous reactions under normal fire-proof, anti-static and sealed handling/storage conditions.
- **Conditions to Avoid:** Open fire, high temperature (>30°C), static electricity, strong oxidants, strong acids, strong reducing agents, direct sunlight, confined space without ventilation.
- **Incompatible Materials:** Hydrogen peroxide, potassium permanganate, concentrated sulfuric acid, concentrated nitric acid, sodium borohydride, lithium aluminum hydride, chlorine, bromine, strong oxidizing salts.
- **Hazardous Decomposition Products:** Carbon monoxide (CO) and carbon dioxide (CO₂) (only at high temperature or combustion); no other hazardous decomposition products.
- **Hazardous Reactions:** Reacts violently with strong oxidants to release heat and cause combustion/explosion; reacts with halogens to form halogenated ketones; no reaction with water, alcohols and most organic solvents under normal conditions.

SECTION 11: Toxicological Information

11.1 Key Toxicological Data

- **Acute Toxicity:**
 - Oral (Rat, LD₅₀): 5800 mg/kg bw (mild toxicity)
 - Dermal (Rabbit, LD₅₀): >20000 mg/kg bw (low dermal toxicity)
 - Inhalation (Rat, LC₅₀): 20000 ppm (4h exposure) (harmful if inhaled)
- **Skin Corrosion/Irritation:** Category 2 (Rabbit test), mild redness and dryness, reversible within 72h.
- **Serious Eye Damage/Irritation:** Category 2A (Rabbit test), moderate redness and tearing, reversible within 48h.
- **Respiratory Irritation:** Mild to moderate irritation to respiratory tract at high concentration; causes cough and chest tightness.
- **Sensitization:** No skin/respiratory sensitization (Guinea pig test).
- **Carcinogenicity/Mutagenicity:** IARC Class 3 (not classifiable as carcinogenic to humans); Ames test negative (no mutagenicity).
- **Reproductive/Developmental Toxicity:** No reproductive toxicity in animal studies; slight fetal growth retardation at ultra-high dose (non-occupational exposure level).



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- **Target Organ Toxicity:** Central nervous system (high-concentration vapor inhalation); skin (long-term direct contact); respiratory tract (prolonged vapor inhalation).
- **Aspiration Hazard:** High (high volatility, low viscosity; aspiration causes severe pulmonary damage).

11.2 Additional Information

Toxicity is mainly caused by **central nervous system depression** from high-concentration vapor inhalation and **mild irritant effect** on skin and eyes; no acute toxic effect at occupational exposure limit level; long-term low-dose exposure following safety guidelines has no significant adverse effects on human body. The product is a low-toxic industrial solvent with good safety performance under proper operation.

SECTION 12: Ecological Information

12.1 Ecotoxicity

- **Aquatic Organisms (Slightly Toxic):**
 - Zebrafish (LC₅₀, 96h): 8000 mg/L
 - Daphnia (EC₅₀, 48h): 6000 mg/L
 - Green algae (EC₅₀, 72h): 9000 mg/L
- **Terrestrial Organisms:** Low toxicity to soil plants and microorganisms; no inhibitory effect on seed germination at concentration ≤1000 mg/kg soil.
- **Other Organisms:** No toxic effect on birds and mammals at normal use concentration.

12.2-12.7 Ecological Properties

- **Persistence/Degradability:** Readily biodegradable (biodegradation rate >95% in 28d) in aquatic and soil environment; no persistent organic pollution.
- **Bioaccumulative Potential:** Low bioaccumulation (log Kow=-0.24); no biomagnification in the food chain.
- **Mobility in Soil:** High mobility; easily leached into groundwater with rainwater, but rapidly degraded by microorganisms in water.
- **PBT/vPvB Assessment:** Not classified as PBT/vPvB (no persistence, low bioaccumulation, low toxicity).
- **Endocrine Disrupting Properties:** No endocrine disrupting effect (in vitro/in vivo animal tests negative).
- **Other Adverse Effects:** No known adverse ecological impacts at normal use concentration; the product degrades into non-toxic substances (water, CO₂) in the environment, no secondary pollution.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

- **Product Waste/Spent Solvent:** Classified as **hazardous waste (extremely flammable, irritant)**; send to licensed hazardous waste treatment facilities for **incineration treatment** (with flue gas purification system to remove CO); can also be recovered and recycled by distillation for reuse (recovery rate ≥95%).
- **Spill Waste/Absorbent Materials:** Collect into sealed explosion-proof containers and dispose of as hazardous waste (same as product waste); no mixing with non-hazardous waste.
- **Washing Water/Waste Liquid:** Collect all contaminated water (equipment washing, spill cleaning) into a sealed tank; treat with biological wastewater treatment system (biodegradation) to meet discharge standards (COD ≤50 mg/L, pH 6~9), then discharge; no direct discharge of untreated waste liquid.
- **Packaging Waste:** Rinse HDPE/steel packaging with a small amount of ethanol, then rinse with water thoroughly; the clean packaging can be recycled (HDPE/steel) or disposed of as non-hazardous waste; do not reuse contaminated packaging.

13.2 Disposal Regulations

Comply with China's **Hazardous Waste Pollution Control Law**, **Fire Protection Law** and **Water Pollution Prevention and Control Law**; comply with EU REACH (EC 1907/2006) and US RCRA hazardous waste disposal regulations; follow local extremely flammable liquid hazardous waste disposal standards. Prioritize solvent recovery and recycling to reduce waste discharge and meet green production requirements.

SECTION 14: Transport Information

14.1-14.6 Transport Details

- **UN Number:** 1090

- **UN Proper Shipping Name:** Acetone
- **Transport Hazard Class:** 3 (Flammable liquids)
- **Packaging Group:** I (Severe hazard)
- **Marine Pollutant:** No (IMDG/IATA)
- **Transport Label:** Extremely Flammable (Class 3), Danger
- **Special Transport Requirements:**
 1. Transport by **closed anti-static chemical cargo vehicles** (no open transport); the vehicle is equipped with fire extinguisher and fire sand, and marked with "Extremely Flammable Liquid" warning signs; the vehicle should have anti-static ground chains.
 2. Use shockproof, sealed and anti-static packaging; avoid package collision, leakage, direct sunlight and high temperature during transport; transport temperature controlled at 0~25°C; avoid transport in hot weather (noon to afternoon).
 3. Do not transport with strong oxidants, strong acids, strong reducing agents, explosives, food/feed and pharmaceutical raw materials; load and unload gently to prevent static electricity and spark generation; no mixed loading with other flammable liquids.
 4. The driver and accompanying personnel must hold hazardous chemical transport qualification certificates; no smoking or open fire during transport; the vehicle should not stay for a long time in confined spaces such as tunnels and viaducts.
 5. **IATA/IMDG Classification:** Class 3, Packaging Group I, non-marine pollutant; comply with IATA DGR and IMDG Code for extremely flammable liquid transport; limited transport volume for air transport.
 6. Loading and unloading in a well-ventilated, fire-proof and anti-static area; use anti-static loading and unloading equipment; complete loading and unloading as soon as possible to avoid prolonged exposure; no loading and unloading in rainy or snowy days.

SECTION 15: Regulatory Information

15.1 National/International Regulations

- **China (MEE/SAMR):** Hazardous Chemical Safety Management Regulation (Class 3 extremely flammable liquid); Occupational Exposure Limit for Chemical Hazards in the Workplace; Fire Protection Law; Environmental Protection Law; GB 13690 Hazardous Chemical Classification and Labeling.
- **International (UN / 欧盟 / US):** UN GHS Rev.9 (hazard classification); EU REACH (listed in TSCA Inventory, no SVHC); US OSHA (occupational exposure limit); US RCRA (hazardous waste classification for spent solvent); IMDG/IATA (extremely flammable liquid transport regulations); SEMI (electronic grade solvent standards).
- **Other Standards:** ISO 9001 (quality management); ISO 14001 (environmental management); OHSAS 18001 (occupational health and safety).

15.2 Other Requirements

- Production and handling must comply with the national **Hazardous Chemical Safety Production Regulations**; the operation personnel must hold a special operation certificate for hazardous chemicals (fire-proof/anti-static); the production workshop must meet the fire protection and explosion-proof design standards.
- The product label/packaging must be marked with GHS hazard classification, UN number, transport category, occupational exposure limit and emergency contact information in accordance with international standards; the label should be clear and firm, not easy to fall off.
- All batch production records, test reports and COA must be retained for ≥5 years in accordance with hazardous chemical regulatory requirements; the enterprise should have a complete emergency plan for fire and leakage.
- The production process must meet environmental protection requirements, and the VOC emission complies with national and local standards; solvent recovery rate ≥95% is recommended for industrial production to reduce volatile emissions.

SECTION 16: Other Information

- **MSDS Validity:** This MSDS is valid for 3 years from the revision date (28 FEB 2026) unless the product quality or hazard information changes.
- **Disclaimer:** This MSDS is based on current scientific and chemical industry knowledge, complying with GB/T 16483, GHS Rev.9 and international hazardous chemical safety standards. The supplier is not liable for any damage (personal injury/equipment damage/environmental



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pollution) caused by improper handling, non-compliance with storage/transport/disposal requirements, unauthorized use or failure to follow safety precautions.

- **Additional Technical Support:** For Acetone application formulation optimization, electronic cleaning process adjustment, solvent recovery and safety operation guidance, contact the technical department at +86-021-50350029 ext. 848 (for licensed manufacturers and research institutions only).
- **Key Reminder:** This product is a Class 3 extremely flammable liquid, harmful if inhaled, and irritating to skin and eyes. Strictly follow fire-proof, anti-static and ventilation requirements during all operations; wear standard PPE; avoid high-concentration vapor inhalation and long-term skin contact; prepare fire extinguishing equipment and first aid supplies; do not mix with incompatible materials to avoid fire and explosion risk; strictly abide by hazardous chemical production, storage, transport and disposal regulations.



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