# SAFETY DATA SHEET



Humco Holding Group, Inc.
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www.humco.com

24-Hour Emergency Number (CHEMTREC)
USA- 800-424-9300
All non-emergency calls should be directed to Customer Service at 800-662-3435

NAME: ACETONE CP SDS NO. 0019

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

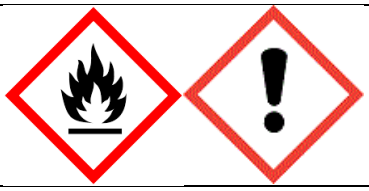
**Product Name**: Acetone CP
**Synonyms**: Propan-2-one, Dimethyl ketone, ketone propane
**Recommended Use**: Solvent for fats, oils, waxes, resins, rubber, cellulose, acetate and airplane dope. Also used in paint and varnish remover.

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## 2. HAZARD IDENTIFICATION

| | |
|---|---|
| **Pictogram**: |  |
| **Classification:** | Flammable liquid category 2; Eye irritation: Category 2A<br>Specific target organ toxicity - Single exposure (category 3), Central nervous system (CNS) |
| **Signal Word:** | DANGER |

## 3. COMPOSITION / INGREDIENTS

| CHEMICAL NAME | CAS# |
|---|---|
| ACETONE | 67-64-1 |

**The exact percentage has been withheld as a trade secret**

## 4. FIRST-AID MEASURES

| ROUTE | COMMON SYMPTOMS | FIRST AID |
|---|---|---|
| **Inhalation** | Exposure to vapors may cause irritation to the respiratory tract. Headache and drowsiness may occur. | Remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately. |
| **Ingestion** | Vomiting, Nausea, diarrhea, drowsiness, and headache. May have central nervous system (CNS) depression. | Do NOT induce vomiting unless directed to so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention immediately. |
| **Skin** | May cause dermal irritation | If irritation occurs, wash with disinfectant soap and water. If persist, get medical attention. |
| **Eyes** | Irritation | Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention. |

## 5. FIRE-FIGHTING MEASURES

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|---|---|
| **Flash Point:** | -16.99 °C (1.42 °F) - CLOSED CUP |
| **Auto Ignition:** | Lowest known: 399 °C (750 °F) (For IPA 99%) |
| **Extinguishing Media:** | Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or alcohol resistant foam. |
| **Products of Combustion:** | May explode when heated. Upon combustion this product, it emits carbon oxides (CO & CO2) |
| **Fire Fighting Equipment and Procedures:** | Wear protective clothing and equipment suitable for the surrounding fire. Wear self-contained breathing apparatus for firefighting if necessary. Cool containing vessels with water get in order to prevent pressure build-up, auto-ignition or explosion. |

## 6. ACCIDENTAL RELEASE MEASURES

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|---|---|
| **Personal Precautions:** | Read entire label before using and follow all label directions. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator. Remove all source of ignition. Evacuate personnel to safer areas. Beware of vapors accumulating to form explosive concentrations. |

| | |
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| **Environmental Precautions:** | Prevent discharge to drains, open waters and sewage. |
| **Method of Containment:** | Contain spillage then collect using an electrically protected vacuum cleaner or by wet brushing. |
| **Method for Clean-Up:** | Ventilate area of spill or leak. Pump liquid to salvage tank. Wash spill area with plenty of water. |

## 7. HANDLING AND STORAGE

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|---|---|
| **Handling:** | Avoid contact with skin and eyes. Avoid inhalation of vapor, spray, gas, or mist. Stay away from ignition source. Wear suitable respiratory equipment. No smoking. Take measure to prevent the build-up electrostatic charge. Wear proper clothing. Do not consume food, drink or smoke while handling this product. |
| **Storage:** | Keep container tightly closed in a dry, cool, and well ventilated place. Avoid direct sunlight. Opened containers must be resealed and kept upright to prevent leakage. Keep away from all ignition sources (sparks or flame) and incompatibles. |

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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| **Engineering Controls:** | Handle as per good industrial hygiene and safety practice. Use explosion proof ventilations as required to control vapor concentration. Ensure that eyewash station and safety showers are in adequate location. |
| **Personal Protective Equipment (PPE)** | |
| **Eye/Face Protection:** | Use appropriate face shield and approved goggles. |
| **Skin Protection:** | Handle with approved impervious clothing and gloves. Flame retardant antistatic protective clothing is recommended to protect from body contact. Avoid skin contact. Wash and dry hands after handling the material. |
| **Respiratory Protection** | Use either an atmosphere supplying respirator or an air purifying respirator for organic vapors. If permissible exposure level is exceeded, use NIOSH approved respirator. |
| **General Hygiene Considerations:** | Wash hands after use. Eye wash fountains and safety showers are generally required in adequate location for emergency use. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|---|---|---|
| **Appearance:** | Colorless, clear liquid | **Upper/Lower Flammability:** | Upper : 13.0 %<br>Lower: 2.1 % |

| | | | |
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| **Odor:** | Characteristic, acetone, ketone | **Vapor Pressure (mmHg)** | 32.4 mmHg (43.2 hPa) at 20 °C. |
| **Odor Threshold:** | Not determined | **Vapor Density (air = 1)** | 2 |
| **pH:** | Not determined | **Relative Density ($H_2O$=1):** | ~ 0.79 |
| **Melting point /Freezing Point:** | -94 °C (-137 °F) | **Solubility:** | Miscible in water, miscible with alcohol, ether. |
| **Boiling point/range:** | 56 °C (133°F) | **Partition coefficient: n-octanol/water:** | Log pow: -0.24 |
| **Flash point** | -16.99°C (1.42°F) - CLOSED CUP | **Auto-ignition temperature** | 465.0 °C (869°F) |
| **Evaporation rate (butyl acetate = 1)** | 5.6 | **Decomposition Temperature:** | Not determined |
| **Flammability:** | Flammable | **Viscosity** | Not determined |

## 10. STABILITY AND RACTIVITY

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|---|---|
| **Reactivity:** | Not determined |
| **Chemical Stability:** | Stable under recommended storage conditions. |
| **Possibility of Hazardous reactions:** | Vapors may form explosive mixture with air. |
| **Conditions to Avoid:** | Heat, sparks, open flame, extreme temperature, direct sunlight |
| **Incompatible materials:** | Bases, oxidizing agents, reducing agents. Violent reaction occurs with phosphorous oxychloride. |
| **Hazardous Decomposition Products:** | Carbon Oxides (CO, $CO_2$) and other hazardous gases or vapors. |

## 11. TOXICOLOGICAL INFORMATION

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|---|---|
| **Acute toxicity:** | Not determined. |
| **Skin irritation:** | Skin – rabbit (Mild skin irritation -24 h) |
| **Eye contact damage:** | Eyes – rabbit – Eye irritation - 24 h |
| **Respiratory damage:** | Not determined |
| **Ingestion overdose:** | Not determined |
| **Delayed, immediate, or chronic effects from short- and long-term exposure** | Not determined |
| **LD50** | Oral – Rat – 5,800 mg/kg |
| **Symptoms associated with exposure:** | May cause dermatitis and irregularities in renal system |
| **Carcinogenicity:** | |
| **OSHA:** | Not listed |
| **NTP:** | Not listed |
| **IARC:** | Not listed |

## 12. ECOLOGICAL INFORMATION

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|---|---|
| **Acute or chronic aquatic toxicity:** | LC50 - Oncorhynchus mykiss (rainbow trout) – 5540 mg/l -96 h |
| **Chemical degradation:** | Not determined. |
| **Biodegradation:** | Result: 91% - Readily biodegradable. |
| **Bioaccumulation potential** | Does not bioaccumulate. |
| **Adsorption studies or leaching studies:** | Not determined. |
| **Other adverse effects** | Not determined. |

## 13. DISPOSAL CONSIDERATIONS

**Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.**

## 14. TRANSPORT INFORMATION

| | |
|---|---|
| **DOT Hazard Classification:** | Class 3: Flammable Liquid |
| **UN number:** | 1090 |
| **UN proper shipping name:** | ACETONE |
| **Transport hazard class(es):** | 3 |
| **Packing group number:** | II |
| **Environmental hazards:** | Not applicable |
| **Special precautions:** | Keep away from heat, sparks, and ignition sources. |

## 15. REGULATORY INFORMATION

**Not determined**

## 16. OTHER INFORMATION

**The information in this SDS is considered current and reliable. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal are beyond Humco's control, it is the responsibility of the user to determine safe conditions for use and to assume liability for loss, damage, or expenses arising from improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission. Various agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in the SDS. The user should review these regulations to ensure full compliance.**