



YUFENG INTERNATIONAL CO.,LTD.

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Material Safety Data Sheet

Section 1 - Product and Company Identification

Product name	2-Pentanone
Applicant name	Yufeng International Co., Ltd
Application address	Room 2008 Jinling Office Building No.1 Xianqian East Street 214007 Wuxi. China
Applicant post code	214028
Applicant fax	+86-510-83205996
Applicant number	+86-510-82322996
Manufacturer name	Yufeng International Co., Ltd
Manufacturer address	Room 2008 Jinling Office Building No.1 Xianqian East Street 214007 Wuxi. China
Manufacturer post code	214028
Manufacturer fax	+86-510-83205996
National number	+86-25-82322996
Effective date	May 13, 2016

Section 2 –Hazards Identification

Hazard class and label elements of the substance according to GHS(the sixth revised edition):
GHS hazard class

Physical hazard	Flammable liquids	category2
Health hazards	Acute toxicity, oral	category4
	Serious eye damage/eye irritation	category2A
	Specific target organ toxicity, single exposure; Respiratory tract irritation	category3

Pictogram



Signal	Danger
Hazard statements	H225 Highly flammable liquid and vapour H302 Harmful if swallowed H319 Causes serious eye irritation H335 May cause respiratory

Precautionary statements

Prevention	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 non-sparking tools. P243 Take action to prevent static discharges. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor/if you feel unwell. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340 IF INHALED: Remove person to fresh air and keep 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. P312 Call a POISON CENTER/doctor/if you feel unwell. P330 Rinse mouth. P337+P313 If eye irritation persists: Get medical advice/attention.
Storage	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.
Disposal	P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 – Composition/Information on Ingredients

Component	Concentration(%)	CAS No.	EC No.
2-Pentanone	99%	107-87-9	203-528-1

Section 4 – First Aid Measures

After skin contact Take off the contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

After eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

After inhalation Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.

Section 5 – Fire Fighting Measures

Hazardous products of combustion	Carbon oxides.
Extinguishing method	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measure

Personal protective measures	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental protective measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for taking in and up	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container.

Section 7 – Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls	Safety shower and eye bath. Mechanical exhaust required.
Respiratory protection	Use a full-face supplied air respirator.
Eye protection	Wear chemical goggles.
Hand Protection	Wear impervious chemical resistant gloves.
Body protection	Protective work clothing.

Section 9 – Physical and Chemical Properties

Appearance and properties: Colourless liquid	Odor: No data available
Odor threshold: No data available	pH value: No data available
Melting point/freezing point(°C): -78	Initial boiling point and boiling range(°C): 100-101
Flash point(°C)(closed cup): 7	Evaporation Rate: No data available
Flammability: No data available	Upper explosive limit%(V/V): 8.2
Lower explosive limit%(V/V): 1.5	Vapor pressure(MPa): No data available
Vapor density(g/mL): No data available	Relative density(g/cm³): 0.81
Solubility: No data available	Octanol / water partition coefficient: No data available
Auto-ignition temperature(°C): No data available	Decomposition temperature(°C): No data available
Kinematic viscosity (mm²/s): No data available	

Section 10 – Stability and Reactivity

Reactive	No data available
Chemical stability	Stable under the condition recommended.
Possibility of hazardous reactions	No data available
Avoid conditions	Heat, flames and sparks.
Incompatible materials	Oxidizing agents, Strong bases, Reducing agents.
Hazardous decomposition products	No data available

Section 11 – Toxicological Information

Acute toxicity:

2-Pentanone: LD₅₀(rat, Oral) 1600mg/kg; LC₅₀(rat, Inhalation, 4h)22 mg/L; LD₅₀(rat, Dermal)6500 mg/kg

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available
Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available

Carcinogenicity: 2-Pentanone (CAS No. 107-87-9) :No data available

Reproductive toxicity: No data available

Specific target organ toxicity – single exposure: No data available

Specific target organ toxicity – repeated exposure: No data available

Aspiration hazard: No data available

Section 12 – Ecological Information

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available.

Section 13 – Disposal Considerations

Property of waste: No data available

Methods of disposal: Dispose of in a manner consistent with federal, state, and local regulations.

Precautions of disposal: Professional processing together

Section 14 - Transport Information

UN number: 1249

UN proper shipping name: METHYL PROPYL KETONE

Transportation primary hazard class: 3

Transportation secondary hazard class: —

Packing group: II

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
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2-Pentanone	√	√	√	√
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Note 1:

CHINA - China Inventory of Existing Chemical Substances (IECSC)

TSCA - United States Inventory of Toxic Substances Control Act Chemical Substances (TSCA)

ENCS - Japan Existing and New Chemical Substances (ENCS)

EINECS - European Inventory of Existing Commercial Chemical Substances (EINECS)

Note 2:

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

Section 16 - Additional Information

Other information: This Safety Data Sheet (SDS) was prepared according to UN GHS (the sixth revised edition) and the information included is based on the present state of our knowledge. However, the information is provided without any warranty, express or implied, regarding its correctness and is only for users reference. Users should make their independent judgement of suitability of these information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.