



## Univar USA Inc Safety Data Sheet

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3075 Highland Pkwy, Ste 200, Downers Grove, IL 60515  
(425) 889 3400

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### Emergency Assistance

For emergency assistance involving chemicals call  
Chemtrec - (800) 424-9300



Univar  
3075 Highland Pkwy STE 200  
Downers Grove, IL 60515  
425-889-3400

# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** ~ACETONE

### Other means of identification

**Synonyms:** Dimethylketone  
**CAS NUMBERS:** 67-64-1  
**SDS number:** 000100000097

### Recommended use and restriction on use

**Recommended use:** Reserved for industrial and professional use.

**Restrictions on use:** Not known.

### Manufacturer/Importer/Supplier/Distributor Information

Univar

3075 Highland Pkwy STE 200

Downers Grove, IL 60515

425-889-3400

**Emergency telephone number:** For emergency assistance involving chemicals

call CHEMTREC day or night at: 1-800-424-9300. CHEMTREC INTERNATIONAL Tel# 703-527-3887

## 2. Hazard(s) identification

### Hazard Classification

#### Physical Hazards

Flammable liquids Category 2

#### Health Hazards

Specific Target Organ Toxicity - Single Exposure Category 3

Serious Eye Damage/Eye Irritation Category 2A

### Label Elements

**Hazard Symbol**



**Signal Word**

Danger

**Hazard Statement**

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

**Precautionary Statements**

**Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/] equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves/eye protection/face protection.

**Response**

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Storage**

Store in a closed container. Store in well-ventilated place. Store in a dry place.

**Disposal**

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards which do not result in GHS classification**

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

**3. Composition/information on ingredients**

**Substances**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Acetone		67-64-1	99 - 100%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition Comments:**

The components are not hazardous or are below required disclosure limits.

**4. First-aid measures**

**General information:**

Get medical advice/attention.

**Ingestion:**

DO NOT induce vomiting. Get medical attention immediately. Never give liquid to an unconscious person.

**Inhalation:**

Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped. Get medical attention.

**Skin Contact:**

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Eye contact:**

If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

**Most important symptoms/effects, acute and delayed**

**Symptoms:**

No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:**

Get medical attention if symptoms occur.

## 5. Fire-fighting measures

<b>General Fire Hazards:</b>	Fight fire from a protected location. Wear self-contained breathing apparatus and protective clothing.
<b>Suitable (and unsuitable) extinguishing media</b>	
<b>Suitable extinguishing media:</b>	Use: Alcohol resistant foam. Carbon dioxide or dry powder.
<b>Unsuitable extinguishing media:</b>	No data available.
<b>Specific hazards arising from the chemical:</b>	Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.
<b>Special protective equipment and precautions for firefighters</b>	
<b>Special fire fighting procedures:</b>	Vapors are heavier than air and may spread near ground to sources of ignition.
<b>Special protective equipment for fire-fighters:</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	Use personal protective equipment. Keep unauthorized personnel away.
<b>Methods and material for containment and cleaning up:</b>	All equipment used when handling the product must be grounded. Eliminate sources of ignition. Absorb spillage with non-combustible, absorbent material.
<b>Notification Procedures:</b>	Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.
<b>Environmental Precautions:</b>	Avoid release to the environment. Do not contaminate water sources or sewer.

**7. Handling and storage**

**Precautions for safe handling:** Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharges. Flammable/combustible - Keep away from oxidizers, heat and flames.

**Conditions for safe storage, including any incompatibilities:** Store in a well-ventilated place. Store in a cool place.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values	Source
Acetone	TWA	750 ppm 1,800 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	1,000 ppm 2,400 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL	5,900 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	590 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	2,500 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	250 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	Ceiling	3,000 ppm	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	TWA PEL	500 ppm 1,200 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	750 ppm 1,780	US. California Code of Regulations,

		mg/m3	Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	750 ppm	US. ACGIH Threshold Limit Values (03 2013)
	TWA	500 ppm	US. ACGIH Threshold Limit Values (03 2013)
	TWA	200 ppm	US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values (03 2013)
	STEL	500 ppm	US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values (03 2013)
	REL	250 ppm	590 mg/m3 US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	1,000 ppm	2,400 mg/m3 US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	1,000 ppm	2,400 mg/m3 US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	750 ppm	1,800 mg/m3 US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

**Biological Limit Values**

Chemical Identity	Exposure Limit Values	Source
Acetone (acetone: Sampling time: End of shift.)	50 mg/l (Urine)	ACGIH BEL (03 2013)

**Appropriate Engineering Controls**

Use explosion-proof ventilation equipment to stay below exposure limits. Provide adequate ventilation. Provide eyewash station and safety shower.

**Individual protection measures, such as personal protective equipment**

**General information:**

Do not eat, drink or smoke when using the product. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned. Use personal protective equipment as required.

**Eye/face protection:**

Wear safety glasses with side shields (or goggles).

**Skin Protection**

<b>Hand Protection:</b>	Chemical resistant gloves	Chemical resistant gloves.
<b>Other:</b>	Chemical resistant clothing	
<b>Respiratory Protection:</b>	In case of inadequate ventilation use suitable respirator.	
<b>Hygiene measures:</b>	Avoid contact with eyes. Observe good industrial hygiene practices. When using do not smoke.	

## 9. Physical and chemical properties

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Clear colorless
<b>Odor:</b>	Characteristic
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	7
<b>Melting point/freezing point:</b>	-94 °C
<b>Initial boiling point and boiling range:</b>	56 °C
<b>Flash Point:</b>	-18 °C
<b>Evaporation rate:</b>	5.6 n-butyl acetate=1
<b>Flammability (solid, gas):</b>	Flammable liquid
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	12.8 %(V)
<b>Flammability limit - lower (%):</b>	2.96 %(V)
<b>Explosive limit - upper (%):</b>	No data available.
<b>Explosive limit - lower (%):</b>	No data available.
<b>Vapor pressure:</b>	24.225 kPa (20 °C)
<b>Vapor density:</b>	2 AIR=1
<b>Relative density:</b>	0.79
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	(20 °C) Miscible with water.
<b>Solubility (other):</b>	The product is soluble in water.
<b>Partition coefficient (n-octanol/water):</b>	-0.24
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.



#### Other information

Minimum ignition temperature: 540 °C

### 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable
<b>Possibility of hazardous reactions:</b>	Stable
<b>Conditions to avoid:</b>	Keep away from heat, sparks and open flame.
<b>Incompatible Materials:</b>	Oxidizers, acids
<b>Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

### 11. Toxicological information

#### Symptoms related to the physical, chemical and toxicological characteristics

<b>Ingestion:</b>	No data available.
<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

#### Information on toxicological effects

##### Acute toxicity (list all possible routes of exposure)

###### Oral

**Product:** LC 50 (Rat): > 5,000 mg/kg Not classified for acute toxicity based on available data.

###### Dermal

**Product:** LD 50 (Rabbit): 5,000 mg/kg  
Not classified for acute toxicity based on available data.

###### Inhalation

**Product:** LC 50 (Rat, 4 h): 20 mg/l

###### Repeated dose toxicity

**Product:** No data available.

###### Skin Corrosion/Irritation

**Product:** (Rabbit, 24 h): Moderate skin irritation

###### Serious Eye Damage/Eye Irritation

**Product:** Draize (Rabbit): Causes serious eye irritation.

###### Respiratory or Skin Sensitization

**Product:** Not a skin sensitizer.

###### Carcinogenicity

**Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.

**Other effects:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** LC 50 (Oncorhynchus mykiss, 96 h): 5,540 mg/l

**Aquatic Invertebrates**

**Product:** EC 50 (Water flea (Daphnia magna), 48 h): 12,100 mg/l

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** EC 50 (Water Flea, 14 d): 3,020 mg/l

**Toxicity to Aquatic Plants**

**Product:** EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 100 mg/l

**Persistence and Degradability**

**Biodegradation**

**Product:** 91 % (28 d) Readily biodegradable

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** Bioconcentration Factor (BCF): 0.69 Potential to bioaccumulate is low.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** Log Kow: -0.24

**Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**

Acetone No data available.

**13. Disposal considerations**

**Disposal instructions:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Discharge, treatment, or disposal may be subject to national, state, or local laws.

**Contaminated Packaging:** Since emptied containers retain product residue, follow label warnings even after container is emptied.

**14. Transport information**

**DOT**

UN Number: UN 1090  
UN Proper Shipping Name: ACETONE  
Transport Hazard Class(es)  
Class: 3  
Label(s): 3  
Packing Group: II  
Marine Pollutant: Not regulated.  
Special precautions for user: -

**IMDG**

UN Number: UN 1090  
UN Proper Shipping Name: ACETONE  
Transport Hazard Class(es)  
Class: 3  
Label(s): 3  
EmS No.: F-E, S-D  
Packing Group: II  
Marine Pollutant: Not regulated.

Special precautions for user: -

**IATA**

UN Number: UN 1090  
Proper Shipping Name: ACETONE  
Transport Hazard Class(es):  
Class: 3  
Label(s): 3  
Packing Group: II  
Environmental Hazards: Not regulated.  
Special precautions for user: -  
Other information  
Passenger and cargo aircraft: Allowed.  
Cargo aircraft only: Allowed.

**15. Regulatory information**

**US Federal Regulations US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

Acetone Reportable quantity: 5000 lbs.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Acute (Immediate)  Chronic (Delayed)  Fire  Reactive  Pressure Generating

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

<b>Chemical Identity</b>	<b>RQ</b>
Acetone	5000 lbs.

**SARA 311/312 Hazardous Chemical**

<b>Chemical Identity</b>	<b>Threshold Planning Quantity</b>
Acetone	500 lbs

**SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**

No ingredient regulated by CA Prop 65 present.

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**US. New Jersey Worker and Community Right-to-Know Act**

Acetone Listed

**US. Massachusetts RTK - Substance List**

Acetone Listed

**US. Pennsylvania RTK - Hazardous Substances**

Acetone Listed

**US. Rhode Island RTK**

Acetone Listed

<b>Inventory Status:</b> Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	On or in compliance with the inventory
Japan (ENCS) List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Japan ISHL Listing:	On or in compliance with the inventory
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
Mexico INSQ:	On or in compliance with the inventory
Ontario Inventory:	On or in compliance with the inventory
Taiwan Chemical Substance Inventory:	Not in compliance with the inventory.

**16. Other information, including date of preparation or last revision**

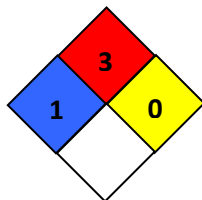
**HMIS Hazard ID**

<b>Health</b>	*	<b>2</b>
<b>Flammability</b>		<b>3</b>
<b>Physical Hazards</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		<b>B</b>

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**NFPA Hazard ID**



	Flammability
	Health
	Reactivity
	Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

**Issue Date:** 06/26/2018  
**Revision Date:** No data available.  
**Version #:** 1.2  
**Further Information:** No data available.



# Univar USA Inc Safety Data Sheet

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For Additional Information contact SDS Coordinator during business hours, Pacific time: (425) 889-3400

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