

MATERIAL SAFETY DATA SHEET

Ashland

Page 001  
Date Prepared: 03/07/05  
Date Printed: 05/17/05  
MSDS No: 999.0004335-011.002

ACETONE

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Material Identity**

Product Name: ACETONE  
SAP Material No: 3010000 415 00A  
General or Generic ID: KETONE

**Company**

Ashland  
Ashland Distribution Co. &  
Ashland Specialty Chemical Co.  
P. O. Box 2219  
Columbus, OH 43216  
614-790-3333

**Emergency Telephone Number:**

1-800-ASHLAND (1-800-274-5263)  
24 hours everyday

Regulatory Information Number:  
1-800-325-3751

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
ACETONE	67-64-1	98.0-100.0

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3. HAZARDS IDENTIFICATION

**Potential Health Effects**

**Eye**

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

**Skin**

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

**Swallowing**

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

**Inhalation**

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

**Symptoms of Exposure**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: mouth and throat irritation (soreness, dry or scratchy feeling, cough), stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, high blood sugar, coma.

Continued on next page

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Page 003  
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---

5. FIRE FIGHTING MEASURES

Flash Point

-4.0 F (-20.0 C) TCC

Explosive Limit

(for product) Lower 2.6 Upper 12.8 %

Autoignition Temperature

869.0 F (465.0 C)

Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide.

Fire and Explosion Hazards

Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media

alcohol resistant (AR) foam, carbon dioxide, dry chemical.

Fire Fighting Instructions

Water may be ineffective for extinguishment unless used under favorable conditions by experienced fire fighters. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

NFPA Rating

Health - 1, Flammability - 3, Reactivity - 0

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6. ACCIDENTAL RELEASE MEASURES

Small Spill

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spill

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

Continued on next page

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Page 005  
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9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point**

(for product) 133.0 F (56.1 C) @ 760 mmHg

**Vapor Pressure**

(for product) 185.000 mmHg @ 68.00 F

**Specific Vapor Density**

2.000 @ AIR=1

**Specific Gravity**

.785 - .788 @ 77.00 F

**Liquid Density**

6.590 lbs/gal @ 68.00 F  
.791 kg/l @ 20.00 C

**Percent Volatiles**

100.0 %

**Volatile Organic Compounds (VOC)**

.000 %  
.000 g/l  
.000 lbs/gal

**Evaporation Rate**

14.40 (N-BUTYL ACETATE )

**Appearance**

COLORLESS LIQUID

**State**

LIQUID

**Physical Form**

NEAT

**Color**

CLEAR, APHA COLOR 5 MAX

**Odor**

MILD/SWEET

**pH**

No data

**Viscosity**

.3 cps

**Freezing Point**

-139.0 F (-95.0 C)

**Molecular Weight**

58.1

Continued on next page

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Page 007  
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NOS Component:  
None

RQ (Reportable Quantity) - 49 CFR 172.101

Product Quantity (lbs) Component

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5000 ACETONE

Other Transportation Information

The Transport Information may vary with the container and mode of shipment.

15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

Component RQ (lbs)  
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ACETONE 5000

SARA 302 Components - 40 CFR 355 Appendix A

None

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate(X) Delayed(X) Fire(X) Reactive( ) Sudden Release of  
Pressure( )

SARA 313 Components - 40 CFR 372.65

None

OSHA Process Safety Management 29 CFR 1910

None listed

EPA Accidental Release Prevention 40 CFR 68

None listed

International Regulations

Inventory Status

AICS (AUSTRALIA) The intentional ingredients of this product are listed.  
DSL (CANADA) The intentional ingredients of this product are listed.  
ECL (SOUTH KOREA) The intentional ingredients of this product are listed.  
EINECS (EUROPE) The intentional ingredients of this product are listed.  
ENCS (JAPAN) The intentional ingredients of this product are listed.  
IECSC (CHINA) The intentional ingredients of this product are listed.  
PICCS (PHILIPPINES) The intentional ingredients of this product are listed.  
SWISS (SWITZERLAND) The intentional ingredients of this product are listed.

State and Local Regulations

California Proposition 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause cancer.  
BENZENE

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause reproductive harm.

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