



SAFETY DATA SHEET

1. Identification

Product Name: Acetone
Product Code: 01180 CC ACE
SDS Date: 11/11/2015
Use: Industrial

Chemisphere Corporation
2101 Clifton Ave
St. Louis, MO 63139

Distributed by: CarChem
398 S. King Oak
Trenton, IL 62293
800-359-7445
Emergency# -- 800-535-5053

General Information: 314-644-1300
CHEMTREC: 800-424-9300

2. Hazard(s) identification

GHS Classification

Flammable liquids, (Category 2)
Eye irritation, (Category 2A)
Specific target organ toxicity following single exposure, (Category 3)

Pictogram



Signalword Danger

Hazard Statement

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

Precautionary

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Wash hands thoroughly after handling. Wear eye protection/face protection. Avoid breathing vapors. 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. In case of fire consider carbon dioxide, water spray mist or foam, dry chemical. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified: Not available

3. Composition/information on ingredients

Name	CAS	Concentration
Acetone	67-64-1	100



4. First-aid measures

General Advice	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
If Inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling

Indications of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting measures

Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards	No data available
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further Information	Use water spray to cool unopened containers.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

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. Vapors can accumulate in low areas. For personal protection see section 8.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

7. Handling and storage

Safe Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.
Safe Storage	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. Storage class (TRGS 510): Flammable liquids

**8. Exposure controls/personal protection**

Name		CAS	
Acetone		67-64-1	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
1000 ppm	Not Available	500 ppm	750 ppm

Engineering Control

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/Face Protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection

Handle with butyl rubber gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Impervious clothing, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and chemical properties

Appearance	Acetone	Colorless, clear, liquid
Odor	Acetone	No Data Available
Odor Threshold	Acetone	No data available
pH	Acetone	No data available
Melting/Freezing Point	Acetone	-94C (-137F)
Initial Boiling Point/Range	Acetone	56C (133F) at 1,013 hPa (760 mmHg)
Flash Point	Acetone	-16.99C (1.42F) - closed cup
Evaporation Rate	Acetone	No data available
Flammability	Acetone	No data available
Upper Explosion Limit	Acetone	13%



Lower Explosion Limit	Acetone	2%
Vapor Pressure	Acetone	245.3 hPa (184.0 mmHg) at 20C (68F)
Vapor Density	Acetone	No data available
Relative Density	Acetone	0.791 g/mL at 25C (77F)
Water Solubility	Acetone	completely miscible
Partition Coefficient	Acetone	log Pow: -0.24
Auto Ignition Temperature	Acetone	465.0C (869F)
Decomposition Temperature	Acetone	No data available
Viscosity	Acetone	No data available

10. Stability and reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Vapors may form explosive mixture with air.
Conditions to Avoid	Heat, flames, and Sparks
Incompatible materials	Bases, Oxidizing agents, Reducing agents, Acetone reacts violently with phosphorous oxychloride.
Hazardous Decomposition Products	No data available

11. Toxicological information

Name	CAS
Acetone	67-64-1
LD50 Oral - Rat - 7,060 mg/kg	
LC50 Inhalation - Rat - 10 h - 20000 ppm	
Dermal: No data available	
Skin corrosion/irritation	Result: No skin irritation - 24 h
Serious eye damage/eye irritation	Result: Mild eye irritation - 24 h
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	Reproductive toxicity - Human - female - Oral Effects on Newborn: Apgar score (human only). Effects on Newborn: Other neonatal measures or effects. Effects on



Newborn: Drug dependence.

Additional information Central nervous system depression, narcosis, Damage to the heart.

12. Ecological information

Name	CAS	Toxicity
Acetone	67-64-1	Toxicity to fish LC50 - <i>Oncorhynchus mykiss</i> (rainbow trout) - 5,540 mg/l - 96 h, Toxicity to daphnia and LC50 - <i>Daphnia magna</i> (Water flea) - 8,800 mg/l - 48 h

13. Disposal considerations

Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport information

Proper Shipping Name	Acetone
Hazard Class	3
Identification Number	UN1090
Packing Group	II
Label	Flammable

15. Regulatory information

Name	CAS
Acetone	67-64-1
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	RQ=5,000 lbs
SARA 311/312	Immediate (Acute) Health Hazard, Fire Hazard
PROP 65	No components were identified

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

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

SDS Date: 11/11/2015

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