

Safety Data Sheet

Issue Date: 24-Nov-2014

Review Date: 03-Mar-2021

Version

1. IDENTIFICATION

Product Identifier

Product Name ACETONE

Other means of identification

SDS # H-7473-05

H-7474-55

Recommended use of the chemical and restrictions on use

Recommended Use Solvent

Details of the supplier of the safety data sheet

Supplier Address

Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041

Emergency Telephone Number

Company Phone Number

832-399-1000

Emergency Telephone (24 hr)

INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance clear, colorless

Physical State Liquid

Odor aromatic

Classification

Flammable liquid

Category 2

Eye irritation

Category 2A

Hazards Not Otherwise Classified (HNOC)

May cause drowsiness or dizziness

Signal Word

Danger

Hazard Statements

High flammable liquid and vapour

Causes serious eye irritation



Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Wash exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection, face protection

Precautionary Statements - Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF IN EYES: Rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

IF ON SKINS: . Remove contaminated clothes. Rinse skin with water/shower

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting

Precautionary Statements - Storage

Keep away from heat, hot surfaces, open flames, sparks. No smoking

Store in well ventilate area. Keep container tightly closed

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to comply with local, state, and federal regulations.

Unknown Acute Toxicity

No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Acetone	67-64-1	100

4. FIRST-AID MEASURES**First Aid Measures****General Advice**

Provide this SDS to medical personnel for treatment.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Do not apply neutralizing agent. Consult a physician.

Skin Contact

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation occurs.

Inhalation

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Ingestion

Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek immediate medical attention/advice.

Most important symptoms and effects (acute and delayed)**Symptoms**

Not expected to present a significant hazard under anticipated conditions of normal use

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:

Irritation of the eye tissue

Red skin. Skin rash/inflammation. Dry/sore throat. Headache. Nausea. Feeling weakness.

Loss of weight. Possible inflammation of the respiratory tract

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Do not induce vomiting. Never give anything by mouth to an unconscious person

5. FIRE-FIGHTING MEASURES**Extinguishing media:*****Suitable Extinguishing Media***

Preferably: Alcohol resistant foam. Water spray. Polyvalent foam. BC powder. Carbon dioxide (CO₂) to extinguish flames.

Unsuitable Extinguishing Media Solid water jet ineffective as extinguishing medium

Specific Hazards Arising from the Chemical

Direct Fire/Explosion Hazard: Highly flammable. Gas/vapour explosive with air within explosion limits.

Indirect Fire/Explosion Hazard: May be ignited by sparks. Heat may cause pressure in tank/drums: explosion risk

Hazardous Combustion Products: Smoke, Fume, Incomplete combustion products, Oxides of carbon

Reactivity Hazard: Reacts violently with strong oxidizers: peroxidation resulting increased fire or explosion risk

Protective equipment and precautions for firefighters

Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus(SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Do not move the load if exposed to heat. After cooling: persistent risk of physical explosion

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

See in Section 8 for personal protective equipment.

Environmental Precautions

See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so If the product contaminates rivers and lakes or drains inform respective authorities. Absorb or cover with dry earth, sand or other non-combustible material.
Methods for Clean-Up	Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. See section 13 for waste disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing fumes, vapors, mists, spray. Wash face, hands, and any exposed skin thoroughly after handling. Use only with adequate ventilation.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed and store in a dry and well-ventilated place away from heat sources, ignition sources, open flame, direct sunlight, incompatible materials. Do not store in open or unlabeled containers. Storage temperature 15-20°C.
Incompatible Materials	Oxidizing agents. Reducing agents. Strong acids. Strong bases. Halogen. Amines

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Exposure Guidelines</u>	ACGIH TWA: 500ppm ACGIH STEL: 750 ppm OSHA PEL(TWA) 2400mg/m ³ ; 1000ppm
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Appropriate engineering controls

Engineering Controls	Maintain eye wash fountain and quick-drench facilities in work area.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses with side shields or protective goggles
Skin and Body Protection	Gloves and protective clothing.
Respiratory Protection	.Ensure adequate ventilation, especially in confined areas. Wear gas mask with filter type A conc. in air>exposure limit
General Hygiene Considerations	Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	colorless liquid

Odor Aromatic. Sweet. Fruity
 Odor Threshold 306-653 ppm
 737-1574 mg/m³

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7	
Melting Point/Freezing Point	-95°C/no data available	
Boiling Point/Boiling Range	56°C	(at 760 mm Hg)
Flash Point	-18°C	Pensky-Martens Closed Cup (PMCC)
Evaporation Rate	6	(butyl acetate = 1)
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	247 hPa	
Vapor Density	< 1.0	(Air=1)
Specific Gravity	0.99	(1=Water)
Water Solubility	soluble	
Solubility in other solvents	Ethanol. Ether. Petroleum spirit Chloroform. Dimethylformamide. Oils/fats	
Partition Coefficient	Not determined	
Auto-ignition Temperature	465°C	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity Not reactive under normal conditions.

Chemical Stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions None under normal processing.

Conditions to Avoid Direct sunlight. Extremely high or low temperature.

Incompatible Materials Oxidizing agents. Strong acids. Strong bases.

Hazardous Decomposition Products
 Thermal decomposition and combustion are not expected to occur except under extreme conditions.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	5800 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	71 mg/L (Rat) 4 h 30000 ppm (Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Not classified

Reproductive toxicity No data available.

Aspiration hazard No data available

Specific target organ toxicity No data available

Numerical measures of toxicity Not determined

12. ECOLOGICAL INFORMATION**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Acetone (67-64-1)	No data available	LC50 - Oncorhynchus mykiss (rainbow trout) - 5,540 mg/l - 96 h	No data available	LC50 - Daphnia magna (Water flea) - 8,800 mg/l - 48 h

Persistence/Degradability Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available.

Bioaccumulation Not determined.

Mobility Not determined

Other Adverse Effects Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT/IMDG/IATA

Shipping Name: Acetone

Classification: CLASS 3- Flammable liquid

Identification: Acetone UNNA: 1090 PG: II

15. REGULATORY INFORMATION**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Acetone 67-64-1	Present	X	Present	Present	Present	Present	X	Present	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 311/312 Hazard Categories

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name: Acetone CAS# 67-64-1

California Prop. 65 Components	New Jersey	Massachusetts	Pennsylvania
x	x	X	x

16. OTHER INFORMATION**NFPA****Health Hazards****Flammability****Instability****Special Hazards**

1

3

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Not determined

HMIS**Health Hazards****Flammability****Physical Hazards****Personal Protection**

1

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Not determined

Issue Date:

24-November-2014

Revision Note:

New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet