



Issue Date: 5/22/15
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SAFETY DATA SHEET

GHS FORMAT

Acetone

Distributed By:

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1. IDENTIFICATION

PRODUCT NAME	Acetone
SYNOMYS	Propanone
RECOMMENDED USE/RESTRICTIONS	For industrial use only
MANUFACTURER	Mid-America Chemical Corporation 4701 Spring Road Brooklyn Heights, OH 44131 Phone: (216) 749-0100 Fax: (216) 749-7041 Email: info@midamericachem.com
EMERGENCY PHONE NUMBER	ChemTel Inc. 1(800) 255-3924 Contract: MIS4545

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION	Flammable Liquid
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GHS CLASSIFICATION:		
HEALTH	ENVIRONMENTAL	PHYSICAL
Skin Corrosion/Irritation, Category 2		Flammable Liquids, Category 2

GHS LABEL:	
DANGER	WARNING
Flame	Exclamation Mark
DANGER H225: Highly flammable liquid and vapour	
WARNING H315: Causes skin irritation	
PRECAUTIONARY STATEMENT(S)	
PREVENTION:	
P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.	



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<p>P233: Keep container tightly closed. P240: Ground/Bond container and receiving equipment P241: Use explosion-proof electrical/ventilating/lighting/equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P264: Wash with soap thoroughly after handling. P280: Wear protective gloves/eye protection/face protection</p>
RESPONSE:
<p>P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P332 + P313: If skin irritation occurs: Get medical advice/attention. P362: Take off contaminated clothing and wash before reuse. P370 + P378: In case of fire: Use alcohol foam, carbon dioxide, or water for extinction.</p>
STORAGE:
P403 + P235: Store in a well-ventilated place. Keep cool.
DISPOSAL:
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	WEIGHT %	CAS
Propanone	100%	67-64-1

4. FIRST AID MEASURES

EYES	Flush eyes with water for 15 minutes. Get medical attention.
SKIN	Wash with soap and water. Get medical attention if irritation develops or persists.
INGESTION	Immediately drink two glasses of water or milk. Do not induce vomiting. Get medical attention.
INHALATION	Remove victim to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO ₂ , water spray or fire fighting foam. LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective
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	for fighting the fire, but may be used to cool fire exposed containers. Keep containers and surroundings cool with water spray.
FIRE FIGHTING PROCEDURES:	Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied fire fighting foam. Exposure to decomposition products may be a hazard to health. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None
COMBUSTION PRODUCTS:	Extremely flammable liquid and vapor. This material is combustible/flammable and is sensitive to fire, heat, and static discharge.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:	Absorb liquid and place in sealed container for disposal. Vapors can travel to an ignition source.
LARGE SPILL:	Absorb liquid and place in sealed container for disposal. Vapors can travel to an ignition source. Avoid runoff into storm sewers and ditches which lead to waterways. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. If this material is released into a work area, evacuate the area immediately.
ENVIRONMENTAL PRECAUTIONS	
WATER SPILL:	Keep material out of storm sewers and ditches that lead to waterways.
LAND SPILL:	Spills and releases may have to be reported to federal and/or local authorities.
AIR SPILL:	Control or stop the loss of volatile materials to the atmosphere.
SPECIAL PROTECTIVE EQUIPMENT:	Wear suitable protective clothing, gloves and eye/face protection.



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7. HANDLING AND STORAGE

HANDLING:	<p>Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use. Destroy contaminated belts and shoes and other items that cannot be decontaminated.</p> <p>Keep away from heat and flame. Keep operating temperatures below ignition temperatures at all times. Use non-sparking tools.</p>
STORAGE:	<p>Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles. Ground lines and equipment used during transfer to reduce the possibility of static spark-initiated fire or explosion. Store at ambient or lower temperature. Store out of direct sunlight. Keep containers tightly closed and upright when not in use. Protect against physical damage.</p> <p>Empty containers may contain toxic, flammable and explosive residue or vapors. Do not cut, grind, drill, or weld on or near containers unless precautions are taken against these hazards.</p>

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS			
Component	OHSA		ACGIH
	PEL	STEL	TWA
Propanone	1000ppm		500ppm
			750ppm

ENGINEERING CONTROLS	Use only in a well ventilated area. Use explosion-proof ventilation equipment.
PERSONAL PROTECTIVE EQUIPMENT	
EYES AND FACE:	Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).
SKIN:	Wear chemical resistant neoprene, butyl rubber or vinyl gloves.
RESPIRATORY:	NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate



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	protection.
PROTECTIVE CLOTHING:	Wear protective gloves and clean body-covering clothing. Chemically resistant clothing and boots may be required.
WORK HYGIENIC PRACTICES	Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking. Provide safety shower and eye wash station in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
ODOR:	Ethereal
APPEARANCE:	Clear, colorless liquid
pH:	Neutral
PERCENT VOLATILE:	100%
VAPOR PRESSURE:	181mmHg
VAPOR DENSITY:	>1
BOILING POINT:	133°F
FREEZING POINT:	-139°F
FLASHPOINT AND METHOD:	1.4°F (ASTM D56)
SOLUBILITY IN WATER:	Complete
EVAPORATION RATE:	6
SPECIFIC GRAVITY:	0.790
VISCOSITY:	<1 Centipoise

NOTE: The information in this section is calculated from specific known information about this product. This information should not be used as exact test results or specifications. The information is provided as typical properties for this product.

10. STABILITY AND REACTIVITY

STABLE:	Yes
HAZARDOUS POLYMERIZATION:	No
STABILITY:	Stable under ordinary conditions of use and storage.
CONDITIONS TO AVOID:	Heat, flames, and other sources of ignition.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon dioxide and/or carbon monoxide
INCOMPATIBLE MATERIALS:	Strong oxidizing agents



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11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD ₅₀ :	20000 mg/kg (rabbit)
ORAL LD ₅₀ :	5800 mg/kg (rat)
INHALATION LC ₅₀ :	30000 ppm/4hr (inhalation - rat)

EYE EFFECTS: Causes serious eye irritation

SKIN EFFECTS: May be absorbed through the skin in harmful amounts.

CARCINOGENICITY

IARC:	Not listed
NTP:	Not listed
OHSA:	Not listed

REPRODUCTIVE EFFECTS: Not indicated

TERATOGENIC EFFECTS: No data available

MUTAGENICITY: Not indicated

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

LC50 (Fish): 6210mg/L/96hr

EC50 (Crustaceans): 8800mg/L/48hr

PERSISTENCE AND DEGRADABILITY:

Readily biodegradable in water. Biodegradable in soil. Biodegradable in the soil under anaerobic conditions.

BIOACCUMULATIVE POTENTIAL:

Not Bioaccumulative

MOBILITY IN SOIL:

No data available

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of waste and residues in accordance with local authority requirements. Mix with compatible chemical which is less flammable and incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container.

14. TRANSPORTATION INFORMATION

Land (U.S. DOT)



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UN number: 1090

Proper Shipping Name: Acetone

Transport Hazard Class: 3

Packing Group: II

Environmental Hazards:

IMDG Marine pollutant: No

Special precautions for the user

ERG (Emergency Response Guide) Number: 127

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of 29 CFR §1910.1200

US Federal Regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Not listed on the United States SARA Section 313

RQ (Reportable Quantity) 5000lb

US State Regulations

Massachusetts: Right to Know List

New Jersey: Right to Know Hazardous Substance List

Pennsylvania: RTK (Right to Know) List

16. OTHER INFORMATION

HMIS RATINGS:

HEALTH	1
FLAMMABILITY	3
REACTIVITY	0
PERSONAL PROTECTION	<input type="checkbox"/>

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