

**1. PRODUCT AND COMPANY IDENTIFICATION****RA00140**

Product Name: **ACETONE**

Description: Acetone  
Product Code: 2020  
Suggested Use: Solvent  
Restrictions on Use: N/A

Supplier: Norman, Fox & Co.  
14970 Don Julian  
City of Industry, CA 91746

Telephone: 1-323-973-4900 or 1-800-632-1777  
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Emergency Phone: INFOTRAC 1-800-535-5053  
International 1-352-323-3500

**2. HAZARDS IDENTIFICATION****Classification**

GHS Classification: Flammable Liquid (Category 2)  
Serious Eye Irritation (Category 2A)  
Specific Target Organ Toxicity, Single Exposure; Narcotic Effects (Category 3)

**GHS Label Elements****Pictogram:****Signal Word:**

Danger

**Hazard Statements:**

H225: Highly flammable liquid and vapor  
H319: Causes serious eye irritation  
H336: May cause drowsiness or dizziness

**Precautionary Statements:**

P210: Keep away from heat/sparks/open flames/hot surfaces. – No Smoking.  
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.  
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264: Wash hands thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301+P330+P331+P313: IF SWALLOWED: Rinse mouth. Do not induce vomiting. Get medical attention.  
P303+P361+P353: IF ON SKIN OR HAIR: Remove all contaminated clothing. Rinse skin with water/shower.

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P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312: Call a poison center or doctor/physician if you feel unwell.  
 P337+P313: If eye irritation persists: get medical attention/advice.  
 P370+P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
 P403+P233+P235+P405: Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.  
 P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

HMIS Classification:	Health Hazard:	2
	Flammability:	3
	Physical Hazards:	0
NFPA Rating:	Health Hazard:	2
	Fire:	3
	Reactivity Hazard:	0

**Potential Health Effects**

Inhalation:	May be harmful if inhaled. May cause drowsiness or dizziness.
Skin:	May cause irritation.
Eyes:	Can cause serious eye irritation. Avoid contact.
Ingestion:	May be irritating to the mouth, throat, and stomach. Do not ingest.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>CAS Number</u>	<u>Concentration</u>
Acetone	67-64-1	100%
Synonyms:	Propanone; Dimethyl Ketone	

**4. FIRST AID MEASURES**

If Inhaled:	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact:	Take off contaminated clothing and shoes immediately. Flush skin with plenty of water for at least fifteen minutes. Consult a physician.
Eye Contact:	Flush eyes immediately with plenty of water for at least fifteen minutes. Remove contact lenses if able to do so. Continue rinsing. Consult a physician.
If Ingested:	Do NOT induce vomiting unless instructed to do so by a physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**5. FIREFIGHTING MEASURES**

Flammability Overview: Highly flammable liquid and vapor. Use caution while handling.

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Flash Point: -17 °C (1.4°F)

Extinguishing Media: Use water-spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Special Protective Equipment for Firefighters: Wear a self-contained breathing apparatus (SCBA) for firefighting if necessary.

Hazardous Combustion Products: Carbon oxides.

**6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Use personal protective equipment. Remove all possible sources of ignition in the surrounding area. Avoid breathing vapors, mist, or gas. Always ensure adequate ventilation. No action should be taken involving any personal risk or without suitable training. Evacuate unnecessary and unprotected personnel to safe areas.

Environmental Precautions: If safe to do so, avoid the dispersal of spilled material and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution. Collect spillage.

Containment and Clean Up: If safe to do so, stop the leak or spill. Move containers away from the spill area. Prevent entry into sewers, water courses, basements, and confined areas. Contain and collect spilled material with non-combustible, absorbent material and place in a container for disposal according to local regulations. Dispose via a licensed waste disposal contractor. Contaminated absorbent material may pose the same physical hazards as the spilled product. If assistance is needed call emergency services.

**7. HANDLING AND STORAGE**

Safe Handling: Use personal protective equipment. Avoid static electricity discharge. Keep away from heat/sparks/open flame/hot surfaces. Avoid breathing vapors, mist, or gas. Always ensure adequate ventilation. No smoking, eating, or drinking when using this product.

Safe Storage: Keep containers tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials. Keep away from heat/sparks/open flame/hot surfaces.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits**

Component	CAS Number	Exposure Limit	Basis
Acetone	67-64-1	500 ppm	ACGIH Threshold Value (TLV)
		1,000 ppm	OSHA Table Z-1: Limits for Air Contaminants
		250 ppm	NIOSH Recommended Exposure Limits

**Personal Protective Equipment**

Eye Protection: Wear tightly fitting safety goggles or safety glasses with a full-face shield. Use

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Hand Protection:	equipment for eye protection tested and approved under appropriate government standards such as NIOSH. Have eye-wash stations available where eye contact can occur.
Skin Protection:	Handle with chemical-resistant gloves. Gloves must be inspected prior to use. Dispose of contaminated gloves. Wash and dry hands after use.
Respiratory Protection:	Wear complete suit protection against chemicals, including chemical-resistant boots. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Safety showers should be located in the work area where skin contact can occur.
General Controls:	Where risk assessment shows air-purifying respirators are appropriate, use a NIOSH-approved full-face respirator with appropriate cartridges. Respiratory protection may be needed for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA 29 CFR 1910.134.
General Controls:	Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State:	Liquid
Appearance:	Clear, Colorless
Odor:	N/A
Odor Threshold:	N/A
pH:	N/A
Melting/Freezing Point:	-94°C (-137°F)
Boiling Point:	56°C (133°F)
Flash Point:	-17°C (1.4°F)
Evaporation Rate:	N/D
Flammability (solid, gas):	N/A
Flammability/Explosion Limits:	2-13% vol
Vapor Pressure @ 20°C:	184.0 mmHg
Vapor Density:	N/D
Specific Gravity @ 15.6°C:	0.788
Density:	6.6 lbs/gal
Solubility in Water:	Soluble
Partition Coefficient:	Log Pow = -0.24
Autoignition Temperature:	465°C (869°F)
Decomposition Temperature:	N/A
Viscosity:	<10 cPs

**10. STABILITY AND REACTIVITY**

Chemical Stability:	Stable under recommended storage conditions.
Conditions and Materials to Avoid:	Heat, flames and sparks. Extreme temperatures and direct sunlight. Strong oxidizing agents, reducing agents, bases. Acetone reacts violently with phosphorous oxychloride.
Hazardous Decomposition	In fire conditions: Carbon oxides.

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Products:

Hazardous Polymerization: Vapors may form explosive mixture with air.

**11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

Component	CAS Number	Test	Toxicity
Acetone	67-64-1	Oral LD50 (Rat)	5,800 mg/kg
		Dermal LD50 (Guinea Pig)	7,426 mg/kg
		Inhalation LC50 (Rat)	50,100 mg/m <sup>3</sup> (8 hr)

**Potential Health Effects**

Inhalation: May be harmful if inhaled. May cause drowsiness or dizziness.  
 Skin: May cause irritation.  
 Eyes: Can cause serious eye irritation. Avoid contact.  
 Ingestion: May be irritating to the mouth, throat, and stomach. Do not ingest.

Signs and Symptoms of Exposure: Irritation. Drowsiness/Dizziness. Drying of Skin.

Chronic Effects of Long-term Exposure: No data available.

Carcinogenicity: No component of this product at levels greater than 0.1% is identified as carcinogenic by IARC, ACGIH, or OSHA.

Mutagenicity: No known significant effects or critical hazards.

**12. ECOLOGICAL INFORMATION**

**Acute Ecotoxicity**

Component	CAS Number	Organism	Ecotoxicity
Acetone	67-64-1	Rainbow Trout	96 hr LC50 = 5,540 mg/L
		Daphnia magna	48 hr LC50 = 8,800 mg/l
		Algae	No specific data

**Ecological Effects**

Persistence and Degradability: Readily Biodegradable (91%)

Bioaccumulation Potential: Does not bioaccumulate.

Mobility in Soil: No specific data available.

Other Adverse Effects: No specific data available.

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Disposal:	The generation of waste should be avoided or minimized wherever possible. Avoid release into the environment and contact with soil, waterways, drains, and sewers. Material should be disposed of in accordance with all local, state, and federal regulations. Regulations vary by region.
Contaminated Packaging:	Contaminated packaging may pose the same physical risks as the product itself. Waste packaging should be recycled or reused whenever possible. If recycling is not feasible, contaminated packaging should be disposed of in accordance with all local, state, and federal regulations. Regulations vary by region.

**14. TRANSPORT INFORMATION****DOT Information**

Proper Shipping Name:	Acetone
UN Number:	UN1090
Hazard Class:	3, Flammable Liquid
Packing Group:	II
Reportable Quantity (RQ):	5000 lbs.
Marine Pollutant:	No
Note:	N/A

**15. REGULATORY INFORMATION****US Federal**

SARA 302 Components:	No, not listed.
SARA 311/312 Hazards:	Fire Hazard Acute Health Hazard Chronic Health Hazard
SARA 313 Components:	No, not listed.

TSCA Inventory: All components are listed or exempt.

**European Union**

EC Inventory: All components are listed or exempt.

**State Regulations**

CA Proposition 65: This product does not contain any listed chemicals.

**16. OTHER INFORMATION**SDS Version: 1.0  
MSDS 2020 – Norman, Fox & Co.

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Supersedes: New to GHS

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For product information or to re-order, call Norman, Fox & Co. at 323-973-4900.