

## SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** Acetone  
**Synonyms:**  
**Product Number:** 95-6001 (1-gallon jug), 95-6005 (5-gallon pail)  
**Company:** Durável  
**Address:** 227 Crompton St., Charlotte NC 28273  
**Business Phone:** (704) 837-7991  
**Emergency Phone:** Chemtrec US (800) 424-9300 CNN 1014580  
**Date of Current Revision:** November 16, 2023

## SECTION 2: HAZARD IDENTIFICATION

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity – Dermal	Category 3
Skin corrosion/irritation	Category 3
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure), Target Organs – Central nervous system (CNS)	Category 3
Specific target organ toxicity (repeated exposure), Target Organs – kidney, liver, spleen, blood	Category 2
Flammable Liquids	Category 2

**EMERGENCY OVERVIEW:** This product is a clear liquid.

#### **DANGER!**

- Highly Flammable
- Suspected of Causing Cancer
- Causes Serious Eye Irritation
- May Cause Respiratory Irritation
- May Cause Drowsiness or Dizziness
- May be Harmful if Swallowed
- May be Harmful if Swallowed and Enters Airways
- May cause damage to organs through prolonged or repeated exposure
- Causes Skin Irritation



**Appearance:** Transparent  
Liquid

**Physical State:** Liquid

**Odor:** Sweet, pungent

**Precautionary Statements – Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ ventilating / lighting/ equipment  
Use only non-sparking tools  
Take action to prevent static discharges  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Use only outdoors or in a well-ventilated area  
Avoid release to the environment  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements – Response**

IF exposed or concerned: Get medical advice/attention  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/  
shower  
If skin irritation occurs: Get medical advice or attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts, if present and  
easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON  
CENTER/doctor if you feel unwell.  
IF SWALLOWED: Immediately call a POISON CONTROL CENTER/doctor Do NOT induce  
vomiting.  
Take off contaminated clothing and wash before reuse  
In case of fire use, "alcohol resistant" foam, dry chemical, halon or carbon dioxide to  
extinguish.  
Collect spillage

**Precautionary Statements - Storage**

Store in well-ventilated place. Keep Cool. Keep container tightly closed. Store locked up.

**Precautionary Statements – Disposal**

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

**Hazards Not Otherwise Classified (HNOC)**

Repeated exposure may cause skin dryness or cracking

**SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS**

Substance

Chemical Name	CAS No.	Weight - %	Trade Secret
Acetone	67-64-1	60-100	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4: FIRST-AID MEASURES**

Description of First Aid Measures

- General Advice** Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.
- Eye Contact** 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.
- Skin Contact** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
- Inhalation** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
- Ingestion** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

- Symptoms** Eye, skin, and respiratory irritation.  
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting  
May cause pulmonary edema

Indication of any immediate medical attention and special treatment needed

- Note to Physicians** Treat symptomatically. For additional information, see Safety Data Sheet.

**SECTION 5: FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Dry Chemical, Alcohol Resistant Foam, Halon or Carbon Dioxide

**Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

In a fire or if heated a pressure increase may occur and the container may burst.

**Hazardous Combustion Products**

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

**Explosion Data – Sensitivity to Mechanical Impact**

Not available

**Explosion Data – Sensitivity to Static Discharge**

May be ignited by friction, heat, sparks or flames.

**Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective suit.

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

Use personal protective equipment as required. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Environmental Precautions****Environmental precautions**

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

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

**Methods for cleaning up** Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. Use clean non-sparking tools to collect absorbed material. Dispose according to local regulations.

**SECTION 7: HANDLING AND STORAGE****Precautions for safe handling**

**Advice for safe handling** Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take measures to prevent the buildup of electrostatic charge. Use non-sparking tools. Wash hands and skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** 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.

**Incompatible Materials** Keep away from strong oxidizing agents, strong alkalis, and strong acids.

**SECTION 8: EXPOSURE CONTROLS – PERSONAL PROTECTION****Control parameters**

**Exposure guidelines** Acetone - CAS# 67-64-1: UK. EH40 WEL TWA 500 ppm 8 hours, STEL 1500 ppm 15 minutes.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m3 (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m3 (vacated) STEL: 2400 mg/m3 The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m3

**Appropriate engineering controls**

**Engineering controls**            General/Local Ventilation Recommended.

**Individual protection measures, such as personal protective equipment**

**Eye and face protection**

Wear safety glasses with side shields (or goggles).

**Skin and body protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift.

**Respiratory protection**

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

**General Hygiene Considerations**

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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Sweet, Pungent
<b>Appearance</b>	Transparent	<b>Odor Threshold</b>	No data available
<b>Color</b>	Liquid		
	Transparent		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	Not Available	
Melting point/freezing point	Not applicable/ -95° C	
Boiling point/Boiling range	56° C	
Flash point	>-18° C (-2° F)	CC (closed cup)
Evaporation rate	7	
Flammability (solid, gas)	Not Relevant	
Flammability Limit in Air		
Upper flammability limit:	12.8%	
Lower flammability limit:	2.5%	
Vapor pressure	Not available	
Vapor density	Not available	
Relative density	.79 @ 70° F	
Water solubility	Insoluble in water	
Solubility in other solvents	Not Available	
Partition coefficient	Log Pow: 0.05	
Autoignition temperature	Not Available	
Decomposition temperature	Not Available	
Kinematic viscosity	Not Available	
Dynamic viscosity	Not Available	
Explosive properties	Not Available	
Oxidizing properties	Not Available	
 <u>Other Information</u>		
Softening point	Not Relevant	
Molecular weight	Not Available	
VOC Content (%)	Not Applicable	
Density	Not Available	
Bulk Density	Not Available	

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity

Not available

Chemical stability

Stable

Possibility of Hazardous Reactions

Hazardous polymerization does not occur

Conditions to avoid

Heat, flames and sparks

**Incompatible materials**

Keep away from strong oxidizing agents, strong alkalis, and strong acids.

**Hazardous Decomposition Products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	Direct contact and vapor inhalation
<b>Eye contact</b>	Direct contact
<b>Skin contact</b>	Direct contact
<b>Ingestion</b>	Direct contact

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	--	--	=50100 mg/m3 (Rat) 8h

**Information on toxicological effects**

**Symptoms** May cause drowsiness or dizziness if inhaled. May cause respiratory irritation. Causes serious eye irritation. Causes skin irritation.

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

<b>Skin corrosion/irritation</b>	Causes severe burns. Irritating to skin
<b>Serious eye damage/eye irritation</b>	Irritating to eyes. Risk of serious damage to eyes.
<b>Irritation</b>	Irritating to eyes, respiratory system and skin
<b>Sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	Not Available
<b>STOT – single exposure</b>	Not Available
<b>STOT – repeated exposure</b>	Not Available
<b>Aspiration hazard</b>	Not Available

**Numerical measures of toxicity – Product Information**

No data available



**SECTION 12: ECOLOGICAL INFORMATION**

Material is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Acetone 67-64-1	--	4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50

**Persistence and degradability** No data available

**BioAccumulation** No data available

**Partition coefficient** Acetone 67-64-1 : -0.24

**Other adverse effects** No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Under RCRA 40 CFR 261 this material is a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations

Chemical Name	RCRA	RCRS – Basis for Listing	RSRA – D Series Wastes	RSRA – U Series Wastes
Acetone 67-64-1	--	Included in waste stream: F039	--	U002

Chemical Name	California Hazardous Waste Status
Acetone 67-64-1	Ignitable

**SECTION 14: TRANSPORTATION INFORMATION**

<u>DOT</u>	UN1090, Acetone, 3, II
<u>IATA</u>	UN1090, Acetone, 3, II
<u>IMDG</u>	UN1090, Acetone, 3, II

**SECTION 15: REGULATORY INFORMATION**

International Inventories

<b>TCSA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

Legend

TCSA - 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

**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

SARA 311/312 Hazard Categories

<b>Acute health hazard</b>	Yes
<b>Chronic health hazard</b>	Yes
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	Yes
<b>Reactive hazard</b>	No

**CWA (Clean Water Act)**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

**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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

<b>Chemical Name</b>	<b>Hazardous Substances RQs</b>	<b>CERCLA/SARA RQ</b>	<b>Reportable Quantity (RQ)</b>
Acetone 67-64-1	5000 lbs	--	RQ 5000 lb final RQ RQ 2270 kg final RQ

**California Proposition 65**

This product contains chemicals known to the state of California to cause birth defects or other reproductive harm

**SECTION 16: OTHER INFORMATION**

**NFPA** Class IB Flammable Liquid: Flash Point below 73° F, Boiling Point above 100° F

**Issue Date** August 3, 2020  
**Revision Date** November 16, 2023  
**Revision Note** Address

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. 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. Durável assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Durável assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety precautions are followed.

**END OF SAFETY DATA SHEET**