SAFETY DATA SHEET

Issuing Date 01-December-2015 **Revision Date**
Revision Number

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name **Acetone**

Other means of identification **GW83000-01, GW83000-05, GW83000-55, GW83000-00**

Synonyms propan-2-one;propanone;2-Propanone, dimethyl ketone

Recommended use of the chemical and restrictions on use

Recommended Use

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name GoldenWest Lubricants, Inc. **Supplier Address** 1937 Mount Vernon Avenue
Pomona, CA 91768-3312 **Supplier**
Phone Number Phone:909-865-3081
Fax:909-865-4467
Supplier Email info@gwlinc.com
Emergency telephone number

Chem-Trec (US & Canada) Phone: 800-424-9300
Chem-Trec (International) Phone: 703-527-3887 (Collect)

2. HAZARDS IDENTIFICATION

Classification

Flammable Liquids – Category 2
Serious Eye Damage/Eye Irritation – Category 2A
Specific Target Organ Toxicity (Single Exposure) [Narcotic Effects]. – Category 3

GHS Label elements, including precautionary statements

Emergency Overview

Signal word:
Danger

Hazard Statement:
Highly Flammable liquid and vapor.
May form explosive mixtures with air.
Causes serious eye irritation.
May cause drowsiness and dizziness.

Appearance Clear, Colorless Liquid **Physical State** Liquid **Odor** Sweet Pungent

Precautionary Statements - Prevention

Wear protective gloves. Wear eye or face protection. Keep away from heat, sparks, open flames and hot surfaces. – No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing vapor. Wash hands thoroughly after handling.

Precautionary Statements - Response

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 attention. If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If ingested do not induce vomiting. If operating conditions create airborne concentrations that exceed the exposure standard, the use of an approved NIOSH/OSHA respirator for organic vapors or air-supplied breathing equipment is recommended.

Precautionary Statements - Storage

Store locked up. Store away from incompatible materials and in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

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

Hazards not otherwise classified (HNOC) None known.

Unknown Toxicity

None known.

Other information

None known.

Interactions with Other Chemicals
No information available.
Substance/mixture: Substance

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Acetone	67-64-1	95-100%	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST AID MEASURES

First aid measures General Advice

No information available.

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if symptoms occur.

Skin Contact
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Continue to rinse for 15 minutes.
Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

Ingestion
Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless instructed by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

Most important symptoms and effects, both acute and delayed Most Important Symptoms and Effects
Eye Contact: Causes serious eye irritation. Skin Contact: No known significant effects or critical hazards.
Inhalation: Can cause central nervous system (CNS) depression. May cause dizziness and drowsiness. May cause respiratory irritation. Ingestion: Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.
Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Treat symptomatically. Keep victim under observations. Symptoms may be delayed.

Over-exposure signs/symptoms
Eye Contact: Adverse symptoms may include the following: pain or irritation, watering, redness. Inhalation: Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness. Skin contact: No specific data. Ingestion: No specific data.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use dry chemical, CO 2, water spray (fog) or foam.

Unsuitable extinguishing media
CAUTION: Do not use water jet.

Specific Hazards Arising from the Chemical
Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Flammable – European Union
VAPOR MAY CAUSE FLASH FIRE. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Hazardous Combustion Products
Normal combustion forms carbon dioxide and water vapor, and may produce oxides of carbon, sulfur and nitrogen. Incomplete combustion can produce carbon monoxide.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Personal Precautions
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Shut off all ignition sources. No flares, smoking or flames in hazard area. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For Personal protection, see section 8 of the SDS.
Other Information Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions
Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up
Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Use spark-proof tools and explosion-proof equipment. Waterinsoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Provide adequate ventilation. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

Incompatible Products Oxidizing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters **Occupational exposure limits**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone	STEL: 1782 mg/m³ 15 mins. STEL: 750 ppm 15 mins. TWA 1188 mg/m³ 8 hrs. TWA 500 ppm 8 hrs.	**(United States, 6/2010.)** TWA: 2400 mg/m³ 8 hrs. TWA: 1000 ppm 8 hrs. **(United States 3/1989)** STEL: 2400 mg/m³ 15 min. STEL: 1000 ppm 15 min. TWA: 1800 mg/m³ 8 hrs. TWA: 750 ppm 8 hrs.	TWA: 590 mg/m³ 10 hrs. TWA: 250 ppm 10 hrs.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Tight sealing safety goggles complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin and Body Protection

Wear protective gloves and protective clothing. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the work shift. Appropriate techniques should be used to

remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid	
Appearance	Liquid	
Color	Colorless	
Odor	Sweet, pungent	
Odor Threshold	Unknown	
Property	**Values**	**Remarks Method**
pH	-94 °C (-137°F)	
	-56°C (-133°F)	None known
	-20° C (-4°F)	None known
Melting / freezing point	5.6-6.06 n-Butyl Acetate	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	13%(V)	None known
Flammability (solid, gas)	2.1%(V)	
Burn rate	mmHg@20°C (68°F)	
Upper explosion limit	2@ 20°C (68°F) (Air =1.0)	
Lower explosion limit	@ 20°C (68°F)	None known
Vapor pressure	.792 g/cm3@ 20°C (68°F)	None known
Relative Vapor density	No data available	
Relative density	Completely soluble	
Density		
Bulk density		None known
Water Solubility		None known
Solubility in other solvents	No data available	
Partition coefficient: N-octanol/water	Log pog:0.2	
Auto-Ignition temperature	540°C	
Thermal decomposition	No data available	
Viscosity, dynamic	0.32 mPa.s@ 25°C (77°F)	

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to avoid
Keep away from open flames, hot surfaces and sources of ignition and open flames.

Incompatible materials
Oxidizing agents, bases, reducing agents.

Hazardous Decomposition Products
May cause dense smoke, oxides of carbon, nitrogen.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acetone (\f) 67-64-1	
LD 50 oral rat	5800 mg/kg (Rat; Experimental value, Rat; Experimental value)
LD50 dermal rabbit	20000 mg/kg (Rabbit; Experimental value, Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	71 mg/l/4h (76 mg/l/4h; Rat; Rat; Experimental value; Experimental value, 76 mkg/l/4h; Rat; Rat; Experimental value; Experimental value)
LC50 inhalation rat (ppm)	30000 ppm/4h (Rat; Experimental value, Rat; Experimental value)

Inhalation
May cause drowsiness or dizziness. The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

Eye Contact
Causes serious eye irritation. pH: 7

Skin corrosion/irritation
Not classified. pH: 7

Carcinogenicity
Not classified.

Reproductive toxicity
Not classified. Based on the available data, the classification criteria are not met.

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

Sensitization Not available.

Mutagenicity Not available.

Aspiration hazard Not available.

STOT - repeated exposure No information available.

Information on the likely routes of exposure:
Not available.

Potential acute health effects

Inhalation: Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.

STOT - single exposure No information available.

Name	Category	Route of Exposure	Target Organs
Acetone	Category 3	Not applicable	Narcotic effects

Carcinogenicity Not available.

Reproductive Toxicity Not available.

Teratogenicity Not available.

Skin contact: No known significant effects or critical hazards.

Ingestion: Can cause nervous system (CNS) depression. Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: Adverse symptoms may include the following:
Nausea or vomiting
Headache
Drowsiness/fatigue
Dizziness/vertigo
Unconsciousness

Eye contact: Watering, redness.

Ingestion: Dry/sore throat. Risk of aspiration pneumonia. Symptoms similar to those listed under inhalation.

Skin contact: ON CONTINUOUS EXPOSURE/CONTACT: Dry skin. Cracking of the skin.

Delayed and immediate effects and also chronic effects from short and long term exposure **Short term exposure**

Potential immediate effects: Not available. **Potential delayed effects:** Not available.

Long term exposure

Potential immediate effects: Not available. **Potential delayed effects:** Not available.

Potential chronic health effects
ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Skin rash/inflammation. Dry/sore throat. Headache, nausea, feeling of weakness, los of weight and possible inflammation of the respiratory tract.

Carcinogenicity:
No known significant effects or critical hazards.

Numerical measures of toxicity Product Information
Not Available

The following values are calculated based on chapter 3.1 of the GHS document
Not applicable

12. ECOLOGICAL INFORMATION

Eco toxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Acetone 67-64-1	No data available	LC50 (Oncorhynchus mykiss (rainbow trout)):6,100 mg/l Exposure time 48 hr.		EC50 (Daphnia magna (Water flea)): 7,630 mg/l Exposure time: 48 hr.

Persistence and degradability
Biodegradability: Remarks: Readily biodegradable.

Bioaccumulative potential:
Partial coefficient: N-octanol/water: log Pow: -0.24
Mobility in soil: No data available

Other adverse effects No data available.

Product:

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone – CAA Section 602 Class I Substances.
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A + B).
Additional ecological information: No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and y regional local authority requirement. Dispose of all surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Empty containers or liners may retain some product residues and must be cleaned or rinsed before disposal. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

UN Number	UN1090
Proper Shipping Name	Acetone
Class	3 – Class 3 – Flammable and combustible liquid 49 CFR 173.120
Packing Group	II

IATA

UN Number	UN1090
Proper Shipping Name	Acetone
Class	3

Packing Group II

IMDG/IMO

UN Number UN1090
Proper Shipping Name Acetone
Class 3
Packing Group II
EMS-No: F-E,S-D

15. REGULATORY INFORMATION

EPCRA-Emergency Planning and Co Mmunity Right-to-know Act

CERCLA Reportable Quantity

OSHA Hazards Flammable liquid, mikd skin irritant, moderate eye irritant.

WHMIS Classification B2: Flammable liquid.
D@B: Toxic Material Causing Other Toxic Effects.

Components	CAS-No.	Component RQ (lbs.)	Calculated product RQ (lbs.)
Acetone	67-64-1	5000	5000

SARA 304 Extremely Hazardous Substances Reportable Quantity This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: **:** Fire Hazard
: Acute Health Hazard

Sara 302 **:** SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 **:** SARA 313: This material does not contain any chemical components with known CAS Numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act
The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

67-56-1	Methanol	0.0061%
71-43-2	Benzene	0.005%

T his product does not contain any chemical listed under the U.S. Clean Air Act Section 112® for Accidental Release Prevention (40 CFR 68.130, Subpart F). The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOPC's (40 CFR 60.489):

67-64-1	Acetone	100%
67-56-1	Methanol	0.0061%
71-43-2	Benzene	0.005%

Clean Water Act
The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 116.4A:

71-43-2	Benzene	0.005%

The following Hazardous Chemicals are listed under the U.S. Clean Water Act, Section 311, Table 117.3:

71-43-2	Benzene	0.005%

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Product	Massachusetts Right To Know	Pennsylvania Right To Know	New Jersey Right To Know	California Prop 65
67-64-1 Acetone	90-100%	90-100%	90-100%	Warning! This product contains a chemical known to the State of California to Cause Cancer.
71-43-2 Benzene	0 – 0.1%			WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
67-56-1				Methanol

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List. Yes All components of this product are on the Canadian DSL.
United States TSCA Inventory – Yes on TSCA inventory.
Japan inventory (ENCS) – Yes on the inventory or in compliance with the inventory.
Australia inventory (AICS) – Yes on the inventory or in compliance with the inventory.
Korea inventory (KECI) – Yes on the inventory, or in compliance with the inventory.
China inventory (IECSC) – Yes on the inventory, or in compliance with the inventory.
Philippines inventory (PICCS) – Yes on the inventory, or in compliance with the inventory.
New Zealand Inventory of Chemicals (NZIoC) – Yes on the inventory, or in compliance with the inventory.

16. OTHER INFORMATION

NFPA **Health Hazards** 2 **Flammability** 3 **Instability** 0 **Physical and Chemical Hazards** -

HMIS **Health Hazards** 2 **Flammability** 3 **Physical Hazard** 0 **Personal Protection**

Chronic Hazard Star Legend * = Chronic Health Hazard

Prepared By
Issuing Date 01-December-2015
Revision Date

Revision Note

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 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

Page