

SAFETY DATA SHEET

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

Product identifier

Product Name Synthetic 5503

Other means of identification GW55030-01, GW55030-05, GW55030-55, GW55030-00

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Varies

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
US
Supplier Phone Number Phone:909-865-3081
Fax:909-865-4467
Supplier Email info@gwinc.com
Emergency telephone number
Chem-Trec(US & Canada) Phone: 800-424-9300
Chem-Trec(International) Phone: 703-527-3887 (collect)



2. HAZARDS IDENTIFICATION


Classification

SKIN IRRITATION – Category 2

EYE IRRITATION – Category 2A

GHS Label elements, including precautionary statements

Emergency Overview

Signal word	Danger	
Warning		
Hazard Statements	Eyes: Yes Skin: YES Ingestion: No Inhalation: No	
Causes serious eye irritation		
Causes skin irritation		
		
Appearance Amber	Physical State Oil Liquid	Odor Faint hydrocarbon

Precautionary Statements - Prevention

Wear protective gloves, Wear eye or face protection. Wash hands thoroughly after handling.

Precautionary Statements - Response

If exposed or concerned: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. 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.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

Defatting to the skin.

Unknown Toxicity

No information available.

Other information

No information available.

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synthetic lubricant, emulsifiers and additives –product is a mixture

Chemical Name	CAS No	Weight-%	Trade Secret
Triethanolamine	102-71-6	7.5 – 11.5	*
2-Amino-2ethyl01,3-propanediol	115-70-8	1.4- 3.4	*
Boric Acid	10043-35-3	.05 - 2.0	*
Methyl-oxirane polymer with oxirane	9003-11-6	.90 - 2.9	*

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

There are no additional ingredients present which, within the current knowledge of the supplier and 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

Eye Contact

Avoid contact with eyes. If contact occurs, immediately flush eyes with water for a minimum of 15 minutes. Eyelids should be held away from the eye to ensure thorough rinsing. Remove contact lenses if present. Seek medical attention immediately.

Skin Contact

Wash with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention

Inhalation

In case of inhalation of decomposition products in a fire, symptoms may be delayed. If inhaled, remove to fresh air. The exposed person may need to be kept under medical surveillance for 48 hours. Get medical attention if symptoms occur.

Ingestion

Do not induce vomiting. If ingested, seek medical attention.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects

Persons with preexisting skin or respiratory disorders may have their conditions aggravated by overexposure to this material.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Treatment should in general be symptomatic and directed to relieving any effects.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Do not use water jet.

Specific Hazards Arising from the Chemical

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

Hazardous Combustion Products

Normal combustion produces the following: carbon dioxide, carbon monoxide, nitrogen oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with eyes.

Other Information Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions

Environmental Precautions Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.



7. HANDLING AND STORAGE

Precautions for safe handling

Protective Measures

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Empty containers retain product residue and can be hazardous. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Avoid prolonged or repeated contact with skin. During metal working, solid particles from work pieces or tools will contaminate the fluid and may cause abrasions of the skin. Where such abrasions result in a penetration of the skin first aid treatment should be applied as soon as reasonable possible. The presence of certain metals in the work piece or tool, such as chromium, cobalt and nickel, can contaminate the metalworking fluid and as a result may induce allergic skin reactions. Evaporation of water from soluble cutting fluids during use may lead to an increase in concentration which may result in the development of skin conditions due to irritation and defatting. It is important to monitor fluid strength on a regular basis with a refractometer and maintain it at the recommended concentration. Lubricants from other sources and other contaminants should be minimized. All debris should be removed. To maintain optimum performance and minimize bacterial spoilage, machine tool coolant should be cleaned on a regular basis.

Conditions for safe storage, including any incompatibilities

Storage

Keep container tightly closed. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination..

Incompatible Products

DO NOT ADD NITRITES TO THIS FLUID.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Boric Acid	STEL: 6 mg/m ³ 15 min. Issued/Revised 1/2005 Form: Inhalable Fraction TWA: 2 mg/m ³ 8 hrs. Issued/Revised 1/2005 Form: Inhalable fraction		

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir. 1992).


 Supplier of this and other fine lubricants
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Appropriate engineering controls

Engineering Measures Showers
 Eyewash stations
 Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Undiluted fluid: Chemical goggles.
 Diluted fluid: Safety glasses with side shields.

Skin and Body Protection Use of protective clothing is good industrial practice. Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Hand Protection**Other skin protection**

Wear suitable gloves. Undiluted fluid: wear chemical resistant gloves. Recommended: nitrile gloves.

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures In case of insufficient ventilation, wear suitable respiratory equipment. The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical and Chemical Properties**

Appearance	Liquid	Odor	Mild odor
Physical State	Yellow	Odor Threshold	No information available
Color		Remarks	
Property	Values	Method	
pH	7.6-8.0	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	No data available	None known	
Specific Gravity	1.01-1.04	Water=1	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air			
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Water Solubility	100%	None known	

Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Auto ignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Viscosity	No data available	None known
Density	No data available	
<u>Other Information</u>		
Softening Point	No data available	
VOC Content (%)	73.39	
Particle Size	No data available	
Particle Size Distribution		

10. STABILITY AND REACTIVITY

Reactivity

No data available.

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

High Temperatures

Incompatible materials

Reactive or incompatible with the following materials: oxidizing materials. Slightly reactive or incompatible with the following materials: acids

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Likely route of exposure.
Eye Contact	Specific test data for the substance or mixture is not available.
Skin Contact	Likely route of exposure.
Ingestion	Specific test data for the substance or mixture is not available.

Component Information

Information on toxicological effects**Information on the likely routes of exposure**

Routes of entry anticipated: Dermal, Inhalation.

Potential acute health effects**Eye contact** No specific data.**Skin contact** No specific data.**Ingestion** No specific data.**Symptoms related to the physical, chemical and toxicological characteristics****Eye contact** No specific data.**Skin contact** No specific data.**Inhalation** No specific data.**Ingestion** No specific data.**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.

Not available.

Potential chronic health effects**General** No known significant effects or critical hazards.**Carcinogenicity** No known significant effects or critical hazards.**Mutagenicity** No known significant effects or critical hazards.**Teratogenicity** No known significant effects or critical hazards.**Developmental & Fertility Effects** No known significant effects or critical hazards.**Numerical measures of toxicity Product Information****Acute toxicity estimates**

Not available.

Additional Information: Alkanolamine: This product contains an alkanolamine. In all metalworking fluids containing amines, there is a potential for forming nitrosamines which are animal carcinogens. Therefore, no nitrites or related nitrosating agents should be added to such compositions.

12. ECOLOGICAL INFORMATION

Eco toxicity

No testing has been performed by the manufacturer.

Persistence and Degradability

Expected to be biodegradable.

Bioaccumulation

Not available.

Mobility in soil

Soil/water partition coefficient (Koc) Not available.

Mobility

Liquid. Soluble in water.

Other adverse effects

No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Not Regulated

TDG

Not Regulated

IMDG- UN number

Not Regulated

IATA-UN number

Not Regulated

RID

Not Regulated

ADR

Not Regulated

ADN

Not Regulated

15. REGULATORY INFORMATION

U.S. Federal regulations

United States Inventory TSCA

All components are listed or exempted.

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

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



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

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

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)

CERCLA

CERCLA RQ	CAS Number	Chemical Name
100 LBS	75-56-9; 123-91-1	Propylene oxide; 1,4-dioxane
10 LBS	75-21-8	Ethylene Oxide
10 LBS	Unknown	Dichloroethyl ether
100 LBS		1,4-dioxane

US State Regulations**California Safe Drinking****California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	
Ethylene Oxide	X
Propylene oxide	X
1,4-dioxane	X
Bis(2-chloroethyl ether)	X
U.S. State Right-to-Know Regulations	Warning: This product contains a chemical known to the State of California to cause cancer

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
2-AMINO-1-butanol:			x		
Triethanolamine	x	x			
Formaldehyde			x		

International Regulations**Australia inventory(AICS)**

At least one component is not listed.

Canada

All components are listed or exempted

China inventory (IECSC)

All components are listed or exempted

Japan inventory (ENCS)

At least one component is not listed.

Korea inventory (KECI)	All components are listed or exempted
Philippines inventory (PICCS)	All components are listed or exempted
REACH Status	For the REACH status of this product please consult your company contact, as identified in Section 1.

16. OTHER INFORMATION

NFPA	Health Hazards 1	Flammability 1	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazards 1	Flammability 1	Physical Hazard 0	Personal Protection X
Chronic Hazard Star Legend	* = Chronic Health Hazard			

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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