

MSDS - Material Safety Data Sheet

Product Name: *Synlube 531 Aerosol*

MSDS No.: 024901

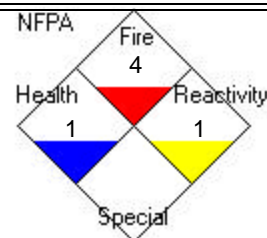
I. Basic Information:

Manufacturer: Synair Corporation

DISTRIBUTED BY FREEMAN MFG & SUPPLY CO. 800-321-8511

Transportation Emergency Phone: Chem-trec 1-800-424-9300

Last Update: 05/13/2002



Chemical State: ☒ Liquid ☐ Gas ☐ Solid
Chemical Type: ☐ Pure ☒ Mixture

1	●	Health
4	●	Flammability
1	●	Reactivity
G		Pers. Protection

II. Ingredients:

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
811972	1,1,1,2-Tetrafluoroethane	14-16						1000ppm	1000ppm	NE
67641	Acetone	3-6						1000ppm	500ppm	750 ppm
64742956	High Flash Naphtha	3-6						NE	350 ppm	NE
68476857	Liquefied Petroleum Gas	15-18						1000ppm	1000ppm	NE
	Non-Hazardous Release Blend	3-6						NE	NE	NE
108883	Toluene	47-51					X	100 ppm	50 ppm	150 ppm
1330207	Xylene (mixed isomers)	3-6					X	100 ppm	100 ppm	150 ppm

III. Hazardous Identification:

Hazard Category:

☒ Acute ☒ Chronic ☒ Fire ☐ Pressure ☐ Reactive

Hazardous Identification Information:

Warning!

Light aliphatic odor.

This material is flammable and may be ignited by heat, sparks, flame, welding arcs or other high temperature sources.

Toluene reports indicate nervous system depression and impaired lung function with excessive exposure.

Deliberate misuse may cause liver, kidney and brain damage.

IV. First Aid Measures:

Route(s) of Entry:

Inhalation, Ingestion, Skin and Eye contact.

Health Hazards (Acute and Chronic):

Acute (Short-Term)

Eye and skin contact can cause mild to moderate irritation. Inhalation can cause irritation to the nose, throat and upper

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respiratory tract.

Chronic (Delayed)

Prolonged or repeated skin contact can defat the skin, cause irritation and lead to the development of dermatitis. Inhalation of high concentrations of vapors can cause dizziness, headache and incoordination.

Signs and Symptoms:

Contact may cause mild to moderate skin and eye irritation. Inhalation of high concentrations of vapors can cause dizziness, headaches and incoordination.

Medical Conditions Generally Aggravated by Exposure:

Persons with asthma-like conditions may experience additional breathing difficulties due to respiratory tract irritation.

Emergency and First Aid Procedures:

SKIN CONTACT: Wash affected area with warm soapy water and apply barrier cream.

EYE CONTACT: Flush eyes with water for at least 15 minutes and contact a physician.

INGESTION: Do NOT induce vomiting and contact a physician. Do NOT give anything by mouth to an unconscious person.

INHALATION: Remove person to fresh air. If breathing is difficult, give oxygen and contact a physician.

Other Health Warnings:

Toluene reports indicate nervous system depression and impaired lung function with excessive exposure. Deliberate misuse may cause liver, kidney and brain damage. Ingestion can cause nausea, vomiting and gastrointestinal upset.

V. Fire Fighting Measures:

Flash Point:	<45°F	Lower Explosive Limit:	NE	Upper Explosive Limit:	NE
Fire Extinguishing Media:	Foam, water spray, carbon dioxide or dry chemical extinguishers.				

Special Fire Fighting Procedures:

Firefighters should wear a self-contained breathing apparatus and protective clothing to guard against incompletely combusted carbon dioxide.

Unusual Fire and Explosion:

In a fire, aerosol cans may explode. Cool cans with water spray and move to safety as soon as possible.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Remove all sources of ignition. Cover liquid with an absorbent material (sawdust, vermiculite or wet sand). After the material is absorbed scoop up and place in containers for disposal. If original container is damaged, transfer material to a closed metal, glass or plastic container. People performing cleanup should have full protective equipment.

VII. Handling and Storage:

Precautions to be Taken:

Store in a cool dry place away from direct sunlight or above 120°F. Avoid open flames, welding arcs and other high temperature sources. Use in a well ventilated area.

Other Precautions:

Do not puncture or incinerate aerosol containers.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Recommended to meet TLV limits.

Mechanical ventilation or exhaust systems may be required.

Personal Protective Equipment:

RESPIRATORY PROTECTION: If air concentrations exceed established exposure limits, use a supplied air respirator.

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PROTECTIVE GLOVES: Impervious rubber gloves.

EYE PROTECTION: Wear safety glasses or goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Protect all exposed skin from liquid contact.

IX. Physical and Chemical Properties:

Boiling Point:	NA	Melting Point:	NA	Evaporation Rate:	<1
Vapor Pressure (mm Hg.):	NE	Vapor Density (AIR = 1):	NE		
Solubility In Water:	Insoluble				
Appearance and Odor:	Light aliphatic odor				
Other Information:	VOLATILITY @75°F: Moderate				
	PERCENT VOLATILE BY VOLUME(%): 97%				
	SPECIFIC GRAVITY: 0.85				

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Acids and strong oxidizing agents.

Decomposition/By Products:

Hydrogen chloride, small amounts of phosgene and chlorine.

Hazardous Polymerization:

Will not occur

XI. Toxicological Information:

None Available

XII. Ecological Information:

None Available

XIII. Disposal Considerations:

Waste must be disposed of in accordance with federal, state and local environmental regulations.

XIV. Transport Information:

Box, Aerosols, Flammable

2.1

UN 1950

Hazardous

XV. Regulatory Information:

SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372:

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Toluene	108-88-3	47-51%
Xylene	1330-20-7	3-6%
Acetone	67-64-1	3-6%

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XVI. Other Information:

In this document the following abbreviations were used:

NA: Not Applicable

NE: Not Established