



Material Safety Data Sheet

No. 025901

Page 1 of 3

Printed:

04/04/2008

Last Update:

04/04/2008

Product Name:

Synlube 531 Bulk

I. Basic Information:

Supplier: Pathway Polymers

Address: 2003 Curtain Pole Rd., P.O. Box 5667

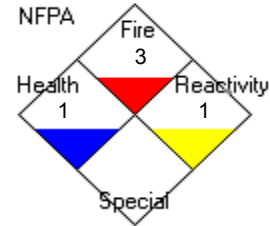
City, ST Zip: Chattanooga, TN 37406

Emergency Phone: 423-697-0400

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

Chemical State: Liquid Gas Solid Chemical Type: Pure Mixture

1	Health
3	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
	Non-Hazardous Release Blend	4-8						NE	NE	NE
67641	Acetone	3-6					X	1000ppm	500ppm	750 ppm
64742956	Solvent naphtha (petroleum), light aromatic	3-6						NE	350 ppm	NE
1330207	Xylene (mixed isomers)	4-8					X	100 ppm	100 ppm	150 ppm
108883	Toluene	75-80					X	100 ppm	50 ppm	150 ppm

III. Hazardous Identification:

Hazard Category: ACUTE CHRONIC FIRE

Hazardous Identification Information:

Warning!

Beige to translucent colored liquid with an aromatic odor.

Contains Xylene and Toluene.

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

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 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.





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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 person is not breathing give mouth-to-mouth resuscitation 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:** 1.2 **Upper Explosive Limit:** 7.6

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.

Unusual Fire and Explosion:

None known

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 the original container is damaged, transfer material to a closed metal, glass or plastic container. People performing clean-up should have full protective equipment.

VII. Handling and Storage:

Precautions to be Taken:

Keep away from heat, sparks, flames and other high temperature sources. Keep container tightly closed in a well ventilated area.

Other Precautions:

Transfer operations must be electrically grounded to dissipate static buildup.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Recommended to meet TLV limits.
Mechanical ventilation or exhaust system may be required.

Personal Protective Equipment:

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

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: * **Melting Point:** NA **Evaporation Rate:** <1
Vapor Pressure (mm Hg.): 26@77°F **Vapor Density (AIR = 1):** >3.2
Solubility In Water: Negligible
Appearance and Odor: Beige to translucent: aromatic odor





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Product Name:

Synlube 531 Bulk

Other Information: *BOILING POINT 120-180°F
VOLATILITY @75°F: Moderate
PERCENT VOLATILE BY VOLUME(%): 96%
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:

Contains Toluene. RQ - 1000 lbs (as Toluene)

DOT Shipping Name: Flammable Liquid N.O.S. (Contains Toluene)

Class 3

PG II

UN 1993

NFPA 30 - Flammable Liquid Class IB

XV. Regulatory Information:

TSCA Inventory Status: This product, or its components, are listed on, or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

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	75-80%
Xylene	1330-20-7	4-8%
Acetone	67-64-1	3-6%

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

An immediate health hazard ; A delayed health hazard ; A fire hazard

XVI. Other Information:

In this document the following abbreviations are used:

NA: Not Applicable. NE: Not Established





Material Safety Data Sheet

No. 024901

Product Name:

Synlube 531 Aerosol

I. Basic Information:

Supplier: Pathway Polymers

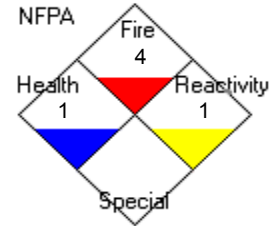
Address: 2003 Curtain Pole Rd., P.O. Box 5667

City, ST Zip: Chattanooga, TN 37406

Emergency Phone: 423-697-0400

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

1	Health
4	Flammability
1	Reactivity
G	Pers. Protection



Chemical State: Liquid Gas Solid Chemical Type: Pure Mixture

II. Ingredients:

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
68476857	Liquefied Petroleum Gas	29-34						1000ppm	1000ppm	NE
	Non-Hazardous Release Blend	3-6						NE	NE	NE
64742956	Solvent naphtha (petroleum), light aromatic	3-6						NE	350 ppm	NE
67641	Acetone	3-6					X	1000ppm	500ppm	750 ppm
1330207	Xylene (mixed isomers)	3-6					X	100 ppm	100 ppm	150 ppm
108883	Toluene	47-51					X	100 ppm	50 ppm	150 ppm

III. Hazardous Identification:

Hazard Category: ACUTE CHRONIC FIRE PRESSURE

Hazardous Identification Information:

Danger !

Highly flammable!

Content is under pressure!

Contains toluene.

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 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.





Product Name:

Synlube 531 Aerosol

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.

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





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Product Name:

Synlube 531 Aerosol

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:

DOT regulations:

Aerosols, flammable, (each not exceeding 1 L capacity)

Class 2.1

UN 1950

XV. Regulatory Information:

TSCA Inventory Status: This product, or its components, are listed on, or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

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An immediate health hazard; A delayed health hazard; A fire hazard; A pressure hazard

XVI. Other Information:

In this document the following abbreviations were used:

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