

48 hours after onset. It can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

Skin Contact:

Substance is corrosive. Cause severe skin burns. Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Eye contact:

Can cause irritation. Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

Skin Absorption:

Can be absorbed through the skin but exposure must be extensive adverse health effects occur. (A single exposure is not likely to result in the product being absorbed through the skin in harmful amounts.) Substance is harmful if absorbed through the skin. Large exposure may be fatal. Harmful if absorbed through the skin. May cause severe irritation and systemic damage.

Ingestion: Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal, May cause vomiting. Harmful if swallowed. Irritating to mouth, throat and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Target organ Acute Toxicity:

Toluene: CNS, liver, kidney, skin, eyes, respiratory system

Triethylamine: Skin, eyes, respiratory system, CNS, liver Kidney.

Ethyl benzene: Eyes, respiratory system, skin, CNS

Manganese compounds: respiratory system,, CNS, blood, kidneys

Cobalt metal, dust and fume: Respiratory system, skin

Long-term (Chronic) Health Effects

Carcinogenicity: Contains a substance that is a probable cancer hazard based on human studies. **Reproductive and Developmental Toxicity:** Possible reproductive hazard.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Skin Contact: prolonged or repeated contact may cause irritation.

Prolonged contact with this product can cause reddening, swelling, rash, scaling, or blistering. In those who have developed skin sensitization, these symptoms can develop as a result of contact with a very small amount of the liquid material.

Skin absorption: contains methanol. Upon prolonged or repeated exposure, may cause deterioration of the optic nerve if large quantities are absorbed through the skin. Repeated absorption of large quantities may lead to

blindness. Skin sensitization, characterized by redness, inflammation, itching and/or burning may result from prolonged or repeated contact with this material.

Target Organ Chronic Toxicity: Kidneys. Eyes. Skin. Nervous System. Respiratory Tract. Liver. Blood.

Supplemental Health Hazard Information: No additional health information available.

IV. First Aid

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

Eyes: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists. Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the non-contaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists. (Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash cloth separately from other articles before reuse. Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Induce vomiting as a last measure. Induces vomiting may lead to aspiration of the material into the lungs potential causing chemical pneumonia that may be fatal. Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this MSDS.

Notes to MD: No additional first aid information available.

V. Fire Fighting Measures Flammability Summary

Flash point: 45C; 113F

Upper flammable/Explosive Limit, % in air: 6.0 @ 77F

Lower Flammable/Explosive Limit, % in air: 0.0 @ 77F

Fire Hazards: vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a class B fire. Vapors are heavier than air and may travel to a source ignition and flash back.

Extinguishing Media: Alcohol foam sand. Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire.

Water can also be used to absorb heat and keep exposed material from being damaged by fire.

Fire Fighting Instructions: Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source if ignition and flash back.

Hazardous Combustion Products: Carbon dioxide, Carbon Monoxide.

VI. Accidental Release Measures

Health Consideration for Spill Response: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances related by the spill including; the material spill, the quantity of the spill, the area in which the spill occurred. Also consider the expertise in the area responding to the spill.

Spill Mitigation Procedures General Methods: Prevent the spread of any spilled material to minimized harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following material manufacturer's instructions. Gather and store in a sealed container pending a waste disposal evaluation.

VII. Handling and Storage

Handling: Use spark-proof tools and explosion and explosion-proof equipment. Wash thoroughly after handling. Avoid contact with material.

Storage: Keep away from source of ignition.

VIII. Engineering Controls and Personal Protective Equipment

Engineering Controls: Explosion proof exhaust should be used.

Protective Equipment

Respiratory tract: Respirators should be selected by and be used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910, 134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient sanitary storage should be implemented.

Eyes: Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

Skin: Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use, inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking and when leaving work.

IX. Physical Data

Physical State: Colored Liquid

M7 -159-Tung Oil

Odor: Oily Hydrocarb on

Solids Vol %: 26.5297

Solids Wt %: 33

Material VOC lbs/gal: 407181

Material VOC gms/l: 566.6014

Weight per gallon: 7.0681

X. Stability and Reactivity:

Stability information: Stable.

Conditions to avoid: Avoid: heat, sparks, flame and oxidizing agents.

Caustic amines, alkanoamines and inorganic acids. Contact with water.

Chemical Incompatibility: Strong Oxidizing agents. Strong acid. Water.

XI. Toxicological Information

Chemical name	CAS Number	LD50/LC50
Toluene	108-88-3	Inhalation LC50 Rat: 49 gn/m ³ /4H LC50 Mouse: 400 ppm/24H Oral LD50 Rat: 636 mg/kg; Dermal LD50 rabbit: 14100 ul/kg
Triethylamine	121-44-8	Inhalation LC50 Mouse: 6 gm/m ³ ; oral LD50 Rat: 460 mg/kg; Oral LD50 Mouse: 546 mg/kg; Dermal LD50 Rabbit: 570 ul/kg
Benzene, Ethyl-	100-41-4	Oral LD50 Rat: 3500mg.kg; Dermal LD50 Rabbit: 17800 ul/kg
Manganese	7439-96-5	Oral LD50 Rat; 9gm/kg
Cobal	7440-48-4	Oral LD 50 Rat: 6171 mg/kg

XII. Ecological information

Overview (for ingredients): No date Available.

Ecological Toxicity Values:

XIII Disposal Considerations

Water Description for Spent Product: The waste may be a characteristic hazardous waste. Mixing spent or discarded Material with other material may render the mixture hazardous. Perform a hazardous waste determination on mixture. Spent or discarded material is a hazardous waste.

Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Potential EPA Waste Codes: If discarded, this product is considered a RCRA ignitable waste, D001.

Components Subjects to USEPA Land Disposal Restrictions:

Toluene	108-88-3	0.79%
Triethylamine	121-44-8	0.2%
Ethyl Benzene	100-41-4	0.2%

XIV. Transportation Information

DOT Paint 3 UN1263 PG II
Quart or less ORM-D***Label: None

XV/ Regulatory Information

Toxic Substance Control Act (TSCA)

Chemical Name	Regulation	CASRN	%
Toluene	SARA 313 Reportable:	108-88-3	0.79
Triethylamine	SARA 313 Repertable	121-44-8	0.2
M701-159 Liquid luster			