

MSDS

Material Safety Data Sheet

ComposiMold-LT and ComposiMold-Transparent

Product and Company Identification

MSDS Name: ComposiMold-LT and ComposiMold-Transparent

Company Identification:

Wizbe Innovations LLC
167 Kerns Hill Rd
Manchester ME 04351

For information, call: 1-888-281-2674

Ordering Information: info@ComposiMold.com or www.ComposiMold.com

Composition, Information on Ingredients

MSDS information provided through evaluation of individual components. The following components are contained within ComposiMold above the reportable limit:

CAS#	Chemical Name	Percent
9000-70-8	Gelatin	10-70%
56-81-5	Glycerin	10-70%

EMERGENCY OVERVIEW

Generally, material is not hazardous in normal handling; however, good laboratory practices should always be used. Avoid long term exposure to skin, any ingestion, or inhalation.

Material is hot when in liquid form. Avoid contact with eyes, skin, and clothing when hot. Use appropriate safety equipment for handling of hot liquids including heat resistant gloves, clothing, and eye protection. Do not ingest. Keep away from incompatibles such as oxidizing agents.

HAZARD CODE: NFPA Rating: (estimated) Health: 1; Flammability: 1; Reactivity: 0

PHYSICAL/ CHEMICAL CHARACTERISTICS

Physical State: Rubber-like solid below 120 F. Above 120 F, material is amber colored liquid.

Specific Gravity: 1.2

Melting Point: 49 C (120 F) decomposes above 100 degrees C

Soluble in Water: Complete at 40 degrees C

Appearance and Odor: Ivory to Amber colored rubber-like solid at room temperature.

Ivory to amber colored liquid above 120 F.

Shelf Life: 1 year in closed container

FIRE AND EXPLOSION HAZARD DATA:

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Gelatin: Flash point: None known

Glycerin Auto-ignition temperature: 470 C(698 F) (NFPA Fire Protection Guide to Hazardous Materials, 13th ed. 2002; NIOSH ICSC, 2001; CHRIS 2001)

Glycerin Flash Points:

CLOSED CUP: 160°C (320°F). (Chemical Hazard Response Information System, 2001; Lewis, 1997).

OPEN CUP: 177°C (350.6°F) (Budavari, 2000; Chemical Response Information System, 2001; NIOSH ICSC, 2001)

OPEN CUP: 199 C(390 F) (National Fire Protection Association, Fire Protection Guide to Hazardous Materials, 13 ed., 2002)

Glycerin Flammable Limits: LOWER: 0.9%

Glycerin Products of Combustion: These products are carbon oxides (CO, CO₂), irritating and toxic fumes.

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of open flames and sparks, of heat, of oxidizing materials. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Special Remarks on Explosion Hazards:

Glycerin is incompatible with strong oxidizers such as chromium trioxide, potassium chlorate, or potassium permanganate and may explode on contact with these compounds. Explosive glyceryl nitrate is formed from a mixture of glycerin and nitric and sulfuric

acids. Perchloric acid , lead oxide + glycerin form perchloric esters which may be explosive. Glycerin and chlorine may explode if heated and confined.

REACTIVITY DATA:

Stability: Stable under normal temperatures and pressures.

Hazardous Polymerization: None known

HEALTH HAZARD DATA

Glycerin Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

ROUTES OF ENTRY:

Inhalation Dust N/A

Ingestion Non-toxic Health hazard (acute & chronic): None Known

Carcinogenic: None known. Not listed in National Toxicology Program Annual Report. Glycerin may be toxic to kidneys. Repeated or prolonged exposure to the substance can produce target organs damage.

EMERGENCY AND FIRST AID PROCEDURES

If using in liquid form:

Eyes: Get medical aid for possible burn. Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Skin: Get medical aid. Treat as burn. Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Ingestion: Get medical aid. Treat as burn. Dilute with water. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

If in Solid form:

Eyes: flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Skin: wash off material with water. If irritation persists, seek medical attention.

Ingestion: Give several glasses of milk or water. Vomiting may occur, but is not necessary to induce. Never give anything by mouth to an unconscious person.

PRECAUTIONS FOR SAFE HANDLING AND USE:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

This material is biodegradable. This material is not considered a hazardous waste. Handle as biodegradable material.

General Information: Use proper personal protective equipment

WASTE DISPOSAL METHOD:

Dispose in an approved landfill in compliance with all regulations or burn in an approved combustion disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Handle according to good manufacturing and warehousing practices.

Small Spill:

In solid form: sweep up and dispose of as necessary. In liquid form, Absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning with water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Stop leak if without risk. If the product is in its solid form: Put the material into a convenient waste disposal container. If the product is in its liquid form: Do not get water inside container. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify type): Dust protector

Ventilation - local exhaust: As needed

Ventilation - Mechanical (general): As needed

Eye Protection: Safety Glasses. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure and protect from heat.

Clothing: Wear appropriate protective clothing to prevent skin exposure and protect from heat.

Other Protective clothing: Use good manufacturing practice

Work/ Hygienic Practices: Use good manufacturing practice

Toxicology Information:

Toxicological Data on Ingredients: Glycerin: ORAL (LD50): Acute: 12600 mg/kg [Rat]. 4090 mg/kg [Mouse]. DERMAL (LD50): Acute: 10000 mg/kg [Rabbit]. MIST(LC50): Acute: >570 mg/m 1 hours [Rat].

No exposure limits established for material.

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