

# **GHS Safety Data Sheets**

# The Mystery of Lyle and Louise Blood Spatter Analysis

This document contains GHS safety data sheets for the following kit items:

Synthetic Blood

# Safety Data Sheet

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**Section 1 - Chemical Product and Company Identification** 

Name: Synthetic blood

Common Synonyms: Tempera paint solution

Chemtrec Phone: 800-424-9300

National Response Center (emergency use): 800-424-8802

Product Use: Laboratory Reagent

#### **Section 2 - Hazard Identification**

SERIOUS EYE DAMAGE/EYE IRRITATION Category 2B

WARNING: Causes eye irritation

**Emergency Overview** 

Effects of overexposure:

Inhalation: No information found. Ingestion: No information found. Eye Contact: No information found. Skin Contact: No information found. Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: No information found.

# **Section 3 - Composition / Information on Ingredients**

Solution formula is proprietary.
All ingredients are non-hazardous.

#### **Section 4 - First Aid Measures**

Inhalation: Remove to fresh air. Blow nose to evacuate dust. If breathing is difficult, give oxygen. Get medical attention for any breathing difficulty.

Ingestion: Drink water to dilute. Never give anything by mouth to an unconscious person.

Skin Contact: Wash exposed area with soap and water. Get medical advice if irritation develops.

Eve Contact: Wash/flush thoroughly with water. Get medical attention if irritation develops.

#### **Section 5 - Fire-Fighting Measures**

Fire: Not considered to be a fire hazard. Flash Point: No information found

Flash Point: No illiornation found

Autoignition Temperature: No information found

Flammable limits in air % by volume: No information found

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Information: Use protective clothing and equipment appropriate for the surrounding fire.

# **Section 6 - Accidental Release Measures**

Contain and clean up spill. Contain liquids using absorbents. Scrub spill area with detergent. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

# **Section 7 - Handling and Storage**

Handling Procedures and Equipment: No special requirements.

Storage requirements: Store in a dry & cool place. Keep in a tightly closed container. Protect against physical damage.

#### **Section 8 - Exposure Controls / Personal Protection**

OSHA Permissible Exposure Limit: 15 mg/m3 total dust, 5 mg/m3 respirable fraction for nuisance dusts.

ACGIH Threshold Limit Value (TLV): 10 mg/m3 total dust containing no asbestos and <1% crystalline silica for Particulates Not Otherwise Classified (PNOC).

Personal Respirators (NIOSH Approved): Select respiratory device based on concentrations of actual or potential airborne contaminants.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety glasses with side shields. Maintain eye wash fountain and quick-drench

facilities in work area.

General: Wash after handling. Avoid contact and inhalation. Avoid prolonged or repeated exposure. Keep tightly closed. Store in a cool dry place.

# **Section 9 - Physical and Chemical Properties**

Appearance: Red liquid

Odor: None

Odor Threshold: N/A pH: No information found

Melting Point: No information found (liquid at room temperature)

Boiling Point: No information found Flash Point: No information found.

Evaporation Rate (BuAc=1): No information found

Flammability: No information found

Flammability/explosive limits: No information found. Vapor Pressure (mm Hg): No information found. Vapor Density (Air=1): No information found

Relative Density: >1 Solubility: Soluble in water

Partition Coefficient: No information found. Auto-ignition Temperature: No information found. Decomposition Temperature: No information found.

Viscosity: No information found

# Section 10 - Stability and Reactivity

Reactivity: Nonreactive under normal conditions; see Incompatible Materials

Stability: Stable under ordinary conditions of use and storage.

Hazardous Reactions: No information found. Conditions to Avoid: Incompatible materials

Incompatible Materials: Strong oxidizers, strong acids Hazardous Decomposition Products: No information found.

Hazardous Polymerization: Will not occur.

#### **Section 11- Toxicological Information**

LD50: No information found.
DERMAL: No information found
INHALATION: No information found.
IRRITATION: Possible eye irritant.
OSHA: No information found.
IARC: No information found.

#### **Section 12 - Ecological Information**

Not expected to be acutely toxic to aquatic organisms.

# **Section 13 - Disposal Considerations**

Dispose as industrial waste in accordance with appropriate regulations. Material is non-hazardous per 40 CFR 261.

#### **Section 14 - Transport Information**

Not regulated

#### **Section 15 - Regulatory Information**

Not controlled/regulated.

# **Section 16 - Other Information**

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WHMIS: SDS prepared according to hazard criteria of controlled products regulations (CPR) and SDS contains all information required by CPR and GHS.

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