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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.

Eye 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

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

Updated May 29, 2015

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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