

MATERIAL SAFETY DATA SHEET

PREPARED - APRIL 2013

Product Identification

Product Name: KELFIRM 30 Proper Shipping Name: Consumer Commodity, ORM-D ARTERIAI EMBALMING FLUID Product Use: **EMBALMING CHEMICAL (MIXTURE) Chemical Family:**

Whmis Classification: **B2, D1A D2B**

Flammable Liquid, Class 3 N.O.S.: 3 UN1993 PKG. III (Methanol, Formaldehyde) **TDG Hazard Class:**

Limited Quantity

II. Hazardous Components

Substance Case # Formaldehyde50-00-0		Air Limits TWA (8 hr) TWA (15 min) Action Level (TWA, 8 hr) IDLH Level	PPM .75 ppm 2 ppm 0.5 ppm 100 ppm	Nature of Hazard Irritant, sensitizer, poison, potential carcinogen
Methanol (methyl alcohol)67-56-1	11	TWA (8 hr), skin TWA (15 min)	200 ppm; 260mg/m3 250 ppm; 310mg/m3	Flammable, poison

III Physical Data

iii. I riyotodi Bata						
Boiling Point:190°F-210°F	Specific Gravity: Greater than 1					
Vapor Density: Greater than air	Appearance:Clear red liquid					
Solubility in Water: Complete	Percent Volatiles:95%					
Odor: Pungent						

IV. Fire and Explosive Hazard Data

Flash Point:	134ºF	
Flammable L	imits: Lower - 7%, Upper - 73% (Formaldehyde)	

Extinguishing Media:Foam, CO2, Water Spray, Dry Chemical Fire Fighting Procedure:Spray containers with water to cool them. Stay upwind and avoid smoke or fumes, or use an air supply,

goggles and protective clothing.

Special Fire Hazards:Vapors heavier than air can travel to a source of ignition and flash back. Formaldehyde can oxidize with

air and heat to give corrosive formic acid fumes.

V. Reactivity Data

.....Stable

Conditions to Avoid:Heat, sparks or flame.

VI. Health Hazard Data

Effects of Overexposure: EYES - Can cause severe irritation or burns.

SKIN - Can cause severe irritation, hardening or cracking of the skin and allergic dermatitis.

IF INHALED - Highly irritating; may cause inflammation of nose, throat and lungs.

IF SWALLOWED - Poisonous. Causes pain, vomiting, etc. Ingested methanol can cause blindness.

CARCINOGEN - Formaldehyde is listed by NTP and IARC. Repeated and prolonged exposure increases the risk.

See the OSHA Formaldehyde Standard, 29 CFR 1910.1200 for additional information including monitoring and

medical surveillance. Action Level = 0.5 ppm.
..EYES - Flush immediately with water. Remove contact lenses; continue flushing at least 15 minutes, occasionally Emergency/First Aid:

lifting lids, until no evidence of formaldehyde remain.

SKIN - Remove any contaminated clothing. Wash well with soap and water until no evidence of formaldehyde remains. INGESTION - Give the victim two glasses of water and then induce vomiting by inserting two fingers to the back of the throat. Following the vomiting, give water, milk or activated charcoal slurry. Never give anything by mouth to an

INHALATION - Move the victim to fresh air. In high vapor concentrations any rescuer must wear self-contained breathing apparatus.

VII. Spill or Leak Procedures

and move to hood or remove in a labeled, covered container. Neutralize spill residue with dilute (5%) solution of ammonia, sodium sulfite or sodium bisulfite and remove. Flush area with plenty of water.

Waste Disposal Method:Comply with federal, state and local regulations for the disposal of chemical waste. If approved, flush down drain.

Incinerate solid absorbents.

Waste Numbers:U 122 for Formaldehyde; U 154 for Methanol.

VIII. Special Protection Information

Eye Protection:Splash goggles are recommended.

Respiratory Protection:If possible, arrange ventilation adequate to keep formaldehyde levels below the exposure limits indicated in Section

II. For levels above the limits a NIOSH-approved full facepiece negative pressure respirator can provide protection for a limited time. For longer exposure or higher levels use positive pressure or self-contained apparatus.

IDLH Protection:Levels of 100 ppm or more are immediately dangerous to life and health. Entry into an IDLH atmosphere requires full body protection with self-contained air supply or a positive pressure air line supply.

The information on this Material Safety Data Sheet (MSDS) has been compiled from 29 CFR 1910.1200, supplier MSDS, other technical references and our testing and experience. Users are responsible for determining the suitability of this product and information for their circumstances and for knowing of and complying with all pertinent federal and state regulations.

RCRA Hazardous