MATERIAL SAFETY DATA SHEET

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I. IDENTIFICATION

CHEMICAL FAMILY: Cavity Chemical

TRADE NAME: **Compo Cavity** PRODUCT NUMBER: 03058

II. HAZARDOUS INGREDIENTS

INGREDIENT NAME	CAS #	%	OSHA PEL TWA;STEL(15)	AGCIH TLV TWA;STEL(15)
Formaldehyde	50-00-0	26.0	.75ppm; 2ppm	0.3ppm; ceiling(1) A2(2)
Methanol	67-56-1	4.8	200ppm; 250ppm Skin	200ppm; 250ppm Skin

(1) Ceiling – The concentration that should not be exceeded during the working day.
(2) Suspected human carcinogen.

III. PHYSICAL DATA

BOILING POINT (At 760mm Hg) (^{o}F)	208	SPECIFIC GRAVITY (H_20=1)	1.062 – 1.064
VAPOR PRESSURE (mm Hg)	67.0	MELTING POINT ^{o}F	N/A
VAPOR DENSITY (Air=1)	>1	EVAPORATION RATE (Butyl Acetate=1)	<1
SOLUBILITY IN WATER	Complete	PERCENT VOLATILE	98.5%
APPEARANCE & ODOR	Clear colorless liquid. Characteristic Odor		

IV. FIRE AND EXPLOSION DATA

FLASH POINT ^{O}F (Tag Closed Cup): 168

FLAMMABLE LIMITS IN AIR

Lower: 7.0% Upper: 73.0%

Extinguishing Media: Dry Chemical, "Alcohol" Foam, Water Spray

V. HEALTH HAZARD DATA

CHRONIC EFFECTS:

MUTAGENICITY: In vitro, formaldehyde is mutagenic (mutagenic activity in E. coli, Pseudomonas fluorescens, and Saccharomyces cervisiae). In vivo, no information.
CARCINOGENICITY: Formaldehyde is carcinogenic to animals (nasal cancer, lifetime inhalation study, rats). Listed as an experimental animal carcinogen (IARC, NTP) and probable human carcinogen (IARC).
REPRODUCTION: Formaldehyde showed no evidence of reproductive effects in animal studies (mice, rats, dogs).
OTHER: Formaldehyde - no evidence of effects on liver, kidneys, nervous system or blood in 180 day studies of rats, monkeys, or hamsters.

HMIS RATINGS	
HEALTH	2
FIRE	1
REACTIVITY	0
SPECIAL	0

VI. HEALTH HAZARD DATA

EYE CONTACT: Vapor causes severe irritation and tearing. Contact with liquid causes severe burns.
SKIN CONTACT: Liquid causes drying, cracking and scaling. Repeated contact causes hardening of the skin and may cause dermatitis and sensitization.
INHALATION: Causes irritation to nose, throat and respiratory tract. Bronchopneumonia and edema possible from breathing high concentrations.
INGESTION: May be fatal if swallowed. Severe inflammation of mouth, throat or stomach. Blurring of vision or blindness may occur.

EMERGENCY AND FIRST AID:
EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
SKIN CONTACT: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician.
INHALATION: Remove to fresh air. If not breathing give artificial respiration, then oxygen if necessary. Call a physician.
INGESTION: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Immediately call a physician.

VII. SPILL AND DISPOSAL INFORMATION

SPILL OR LEAK: Ventilate area thoroughly - avoid breathing of vapor. Absorb liquid with vermiculite or dry earth. Flush area with plenty of water.
WASTE DISPOSAL: Dispose of residue in compliance with Federal, State and local regulations.

VII. REACTIVITY DATA: **STABILITY:** Stable---**Yes** Unstable--No

Materials and conditions to avoid: Caustics and strong oxidizing agents. High Temperatures.
Hazardous Polymerization: May Occur--No **Will Not Occur--X**
Hazardous Decomposition Products: Hydrogen, Formaldehyde, Carbon Monoxide, Carbon Dioxide.

VIII. PROTECTION INFORMATION:

Respiratory Protection: Ventilation should be adequate to keep exposure limits below the Action Level (CFR 29 1910.1048) of 0.50 ppm. If limits are exceeded, a full-face NIOSH approved respirator should be used.
Ventilation: Local exhaust should be adequate to control exposure.
Eye Protection: Gas proof Goggles and Face Shield recommended.
Protective Gloves: Neoprene, Butyl or Polyvinyl Gloves.

IX. SPECIAL PRECAUTIONS:

Keep containers closed. Store in cool, well ventilated area away from open flame. Do not breath vapor. Avoid prolonged or repeated contact with skin. Wash thoroughly with soap and water after handling.

X. This mixture contains toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Formaldehyde	CAS number	50-00-0	Reportable Quantity	100 pounds
Methanol	CAS number	67-56-1	Reportable Quantity	5000 pounds

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