

MSDS***Material Safety DataSheet***

AZER SCIENTIFIC

24 HOUR EMERGENCY
TELEPHONE NUMBER
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Formaldehyde 37% Solution (stabilized with Methanol)**SECTION 1 PRODUCT IDENTIFICATION**

NAME: Formaldehyde 37% Solution (stabilized with Methanol)
AZER SCIENTIFIC ORDER NUMBER: F-37-32OZ, F-37-1G, F-37-5G, F-37-55G
SYNONYMS: N/A
CAS NO: Not applicable
FORMULA: HCHO (with CH₃OH)
DOT INFORMATION: UN 1198, PG III (32 oz -Limited quantity exception)

****LABEL HAZARD STATEMENT AND PRECAUTIONS****

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES EYE BURNS. CAUSES SKIN IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. COMBUSTIBLE LIQUID AND VAPOR. SUSPECT CANCER HAZARD. CONTAINS FORMALDEHYDE, WHICH MAY CAUSE CANCER. Risk of cancer depends on duration and level of exposure. Do not get in eyes, on skin, on clothing. Avoid breathing vapor. Keep away from heat and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO	OSHA PEL	ACGIH TLV
Formaldehyde/50-00-0	0.75 ppm TWA 2 ppm STEL	0.3 ppm CEIL
Methyl Alcohol	200 ppm TWA 250 ppm STEL Skin	200 ppm TWA Skin

Formaldehyde, ~87%, and Methyl Alcohol, ~11%, are subject to the reporting requirements of SARA313 and 40CFR372.

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible	BOILING POINT (C): 100
VAPOR PRESSURE (mm Hg): 40	VAPOR DENSITY: 1
SPECIFIC GRAVITY: 1.08	MELTING POINT (C): N/A
EVAPORATION RATE: As water	
APPEARANCE AND ODOR: Clear, colorless liquid, characteristic odor of formaldehyde.	

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): 62

AUTOIGNITION TEMPERATURE (C): 420

FLAMMABLE LIMITS (%) UEL: 70 LEL: 7

EXTINGUISHING MEDIA: Water spray, dry chemical, "alcohol" foam, CO₂.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full face piece operated in pressure-demand or other positive-pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/I

SECTION 5 REACTIVITY DATA

STABILITY: Stable under normal conditions of temperature.

CONDITIONS TO AVOID: Elevated or depressed temperatures.

MATERIALS TO AVOID: Phenol, strong acids or alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂.

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: Causes respiratory tract irritation and CNS depression.

SKIN CONTACT: Causes irritation.

EYE CONTACT: Causes burns.

SKIN ABSORPTION: May be harmful. See Ingestion.

INGESTION: Causes burns or irritation to mucous membranes, esophagus or GI tract. May cause blindness or CNS depression.

CHRONIC: May cause dermatitis or other allergy. Methyl alcohol may cause blindness or liver enlargement. May cause cancer.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

CARCINOGENICITY: NTP-R: Reasonably Anticipated To Be A Human Carcinogen.

IARC-2A: Probably Carcinogenic To Humans.

****FIRST AID PROCEDURES****

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes, while separating eyelids. Get immediate medical attention.

SKIN CONTACT: Immediately flush with plenty water for at least 15 minutes, while removing contaminated clothing and shoes. Get medical attention for persistent irritation.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Get immediate medical attention.

INGESTION: If conscious, give large quantities of water to drink. Get immediate medical attention.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Eliminate ignition sources and ventilate area. Absorb with inert material and containerize for disposal.

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local environmental regulations.

STORAGE: Store tightly closed above 10 C (50 F).

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.

RESPIRATORY PROTECTION: Full face piece respirator.

EYE PROTECTION: Chemical splash goggles and/or full face shield.

SKIN PROTECTION: Impervious gloves, lab coat and impervious apron.

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