

Revised 1/09

MATERIAL SAFETY DATA SHEET

Replaces 12/09

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Tukwila, WA 98188
(206) 575-0450

Gaco Western

1245 Chapman Dr.
Waukesha, WI 53186
(262) 542-8072

F052 CATALYST

CHEMICAL FAMILY: Amine

TRADE NAME: GacoGreen Catalyst

TRANSPORTATION EMERGENCY ASSISTANCE / CALL CHEMTREC / 800-424-9300

HMIS HAZARD RATINGS

H - 3

F - 2

R - 0

PP - I

DEGREE OF HAZARD: 4=EXTREME 3=HIGH 2=MODERATE 1=SLIGHT 0=INSIGNIFICANT

SECTION II - HAZARDOUS SUBSTANCES

	% BY WT	OSHA PEL	ACGIH TLV
Bis(2-dimethylaminoethyl)ether CAS No. 3033-62-3	99.5	None Est.	.05 ppm TWA

SECTION III - PHYSICAL DATA

BOILING RANGE: 372 Deg. F	WEIGHT PER GALLON: 7.1 lbs
VAPOR DENSITY (air=1): Heavier	VAPOR PRESSURE (mm Hg @ 20C/68F): 0.28
% VOLATILE BY VOLUME: 100 %	SOLUBILITY IN WATER: Soluble

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT: 155 Deg F. (PMCC)

EXTINGUISHING MEDIA: Water, Foam, Dry Chemical, Carbon Dioxide, Sand

SPECIAL FIRE FIGHTING PROCEDURES: Cool containers with water fog to prevent Rupture. A solid stream of water directed into the burning material could spread the fire. During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

UNUSUAL FIRE & EXPLOSION HAZARD: Reaction with peroxides may result in violent decomposition or combustion.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Inhalation of aerosols, mists or fogs of this product may irritate and/or severely damage contacted tissue and mucous membranes of the respiratory tract. Contact with undiluted product may cause severe skin irritation including blistering, burns and necrosis. May cause malaise and discomfort when absorbed through the skin. Contact of undiluted product with the eyes can cause severe irritation and pain including conjunctivitis, tearing and corneal edema. Corneal edema may give rise to a perception of "blue haze or halos" or "fog" around lights. If ingested, this product may cause severe gastrointestinal distress with blistering or burns of the mouth, throat, esophagus and stomach. Other

symptoms could include headache, nausea and vomiting.

EMERGENCY & FIRST AID: If overcome by vapors, remove to fresh air and if breathing has stopped, give artificial respiration. Eye contact: Flush immediately with water and call a physician as soon as possible. Skin contact: Wash with soap and water and remove contaminated clothing. Ingestion: Give victim one or two glasses of water or milk. Do not induce vomiting. See a physician as soon as possible.

PRIMARY ROUTES OF ENTRY: Dermal or inhalation most likely.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: May aggravate existing eye or skin conditions.

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SECTION VI - REACTIVITY DATA
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STABILITY: Stable

SUBSTANCES TO AVOID: Mineral acids, organic acids, oxidizing agents, sodium or calcium hypochloride. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion may produce carbon monoxide and/or carbon dioxide, oxides of nitrogen and ammonia gas.

HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION VII - SPILL OR LEAK PROCEDURES
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. In enclosed areas, cleanup personnel should wear self-contained breathing apparatus. Cover spills with sawdust, vermiculite, or other absorbent material. Collect material for disposal.

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

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SECTION VIII - SPECIAL PROTECTION INFORMATION
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RESPIRATORY PROTECTION: The specific respirator selected must be based on contamination levels found in the workplace. Use organic vapor canisters for low concentrations. Use supplied air with full facepiece or self-contained breathing apparatus in enclosed areas involving higher vapor concentrations.

VENTILATION (Local Exhaust/Mechanical): Explosion proof mechanical equipment capable of keeping vapor concentration below the recommended exposure limit.

PROTECTIVE GLOVES: Butyl or nitrile gloves.

EYE PROTECTION: Contact lenses should not be worn. Safety goggles or full face shield.

OTHER PROTECTIVE EQUIPMENT: Eye bath & safety shower should be available.

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SECTION IX - SPECIAL PRECAUTIONS & TOXICOLOGICAL PROPERTIES
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SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: Keep containers closed and store in a cool dry place with adequate ventilation. Keep away

from heat and open flame.

TOXICOLOGICAL PROPERTIES: OSHA, NTP and IARC do not list this product as a Carcinogen. Severely irritating and corrosive.

KEEP OUT OF THE REACH OF CHILDREN.

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