



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ECONO-CIAS-303
REVISION DATE: SEPTEMBER 22, 2008

For Chemical Emergency (Spill, Leak, Fire, Exposure or Accident)
CALL CHEMTREC Day or Night 800-424-9300
For International, Call 703-527-3887 (Collect Calls Accepted)

**** FOR INDUSTRIAL USE ONLY ****

Section I - Product Information and Company Identification

Chemical Name: Mixture **Product Use:** Corrosion Inhibitor
DOT Hazard Class: UN1993, Flammable Liquid, n.o.s. (Contains: Methanol, Propargyl Alcohol), 3, II

Section II – Composition, Information on Ingredients

Material	Cas #	Percent	TLV-TWA	OSHA PEL-TWA
1) Methyl Alcohol	67-56-1	40-80	ACGIH 200PPM	200PPM
2) Propargyl Alcohol	107-19-1	40-80	ACGIH 1PPM	Not Estab.

Section III – Health Hazard Information

Highly flammable. Harmful in contact with skin. Toxic by inhalation and if swallowed. Irritating to eyes and skin.

Section IV – First Aid Measures

INHALATION: Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention. If respiratory problems, artificial respiration/oxygen.

INGESTION: DO NOT induce vomiting. Get medical attention immediately. Drink plenty of water. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

SKIN: Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYES: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Section V - Fire & Explosion Hazard Data

EXTINGUISHING MEDIA: Fire can be extinguished using: Water spray, fog or mist. Alcohol resistant foam. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES: Use supplied air respirator if substance is involved in a fire. Cool containers exposed to flames with water until well after the fire is out.

NFPA Ratings: Health 2, Flammability 3, Reactivity 0

HMIS Rating: Flammability 3, Reactivity 0, Health 2

Section VI – Accidental Release Measures

PERSONAL PRECAUTION IN SPILL: Wear suitable protective clothing, gloves and safety goggles.

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PRECAUTIONS TO PROTECT ENVIRONMENT: Dyke to prevent entering any sewer or waterway.
SPILL CLEANUP METHODS: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

Section VII- Handling and Storage

USAGE PRECAUTIONS: Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS: The drums should be stored, with their seals intact, in conditions that avoid extremes of temperatures. Bulk deliveries should be stored in carbon steel tanks. Under these conditions the shelf life of the product should be approximately two years.

STORAGE CRITERIA: Flammable liquid storage. Toxic storage.

Section VIII – Exposure Controls/Personal Protection Information

INGREDIENT NAME: 67-56-1 OES. 200 ppm(Sk) 250 ppm(Sk) METHANOL
107-19-7 OES. 1 ppm(Sk) 3 ppm(Sk) PROPARGYL ALCOHOL

PROTECTIVE EQUIPMENT: Safety Goggles, Chemical Resistant gloves, Respirator

PROCESS CONDITIONS: Use engineering controls to reduce air contamination to permissible exposure level.

VENTILATION: Explosion-proof general and local exhaust ventilation.

RESPIRATORS: Use chemical cartridge protection with appropriate cartridge. CCROV, CCR with organic vapor cartridge.

PROTECTIVE GLOVES: Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC.

EYE PROTECTION: Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION: Wear appropriate clothing to prevent repeated or prolonged skin contact.

HYGIENIC WORK PRACTICES: Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

Section IX - Physical Data

APPEARANCE:	Liquid	
COLOUR:	Amber	
ODOUR/TASTE:	Alcohol	
SOLUBILITY DESCRIPTION:	Dispersible in water	
MELT./FREEZ. POINT (°C, interval):	Not determined	
DENSITY/SPECIFIC GRAVITY (g/ml):	Approx. 0.920	TEMPERATURE (°C): 20
pH-VALUE, DILUTED SOLUTION:	Approx. 3.1	CONCENTRATION (%M):
VISCOSITY:	Not determined	TEMPERATURE (°C):
FLASH POINT (°C):	Min. 9	METHOD: PM Closed cup.

Section X - Reactivity Data

STABILITY: No particular stability concerns.

CONDITIONS TO AVOID: Avoid contact with strong oxidisers.

HAZARDOUS POLYMERIZATION: Will not polymerize.

MATERIALS TO AVOID: Strong oxidizing agents.

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HAZARDOUS DECOMP. PRODUCTS: Vapors/gases/fumes of: Carbon dioxide (CO₂). Carbon monoxide (CO).

Section XI – Toxicological Information

INHALATION: Toxic by inhalation. Prolonged exposure to methanol vapor may cause shortness of breath and a sense of drunkenness. In extreme cases, ocular damage and visual disturbances may occur.

INGESTION: Toxic if swallowed. Ingestion of methanol may result in a feeling of intoxication and can cause visual disturbances and, in extreme cases, ocular damage.

SKIN: Propargyl alcohol causes moderate to severe irritation on contact with skin and is readily absorbed through the skin in toxic quantities. Brief, intermittent skin contact may cause moderate to severe irritation resulting in skin rashes.

EYES: Contact with eyes may cause moderate to severe irritation.

Section XII – Ecological Information

No data available

Section XIII – Disposal Considerations

DISPOSAL METHODS: Place chemical residues and contaminated absorbent materials into a suitable waste container. Take to an approved waste disposal site. Dispose of all residues in accordance with applicable waste management regulations.

Section XIV – Transport Information

DOT Hazard Class: UN1993, Flammable Liquid, n.o.s. (Contains: Methanol, Propargyl Alcohol), 3, II

Section XV – Regulatory Information

US Regulations:

DOT Reportable Quantity: Methanol, 1410 gallons of this product; Propargyl Alcohol, 2246 gallons of this product

HCS Classification: Target Organ Effects. Flammable Liquid. Irritant

CERCLA 302 Hazardous Substances: Methanol, 3027 gallons of this product; Propargyl Alcohol, 166 gallons of this product

SARA 311/312: Fire Hazard, Immediate Health Hazard, Delayed Health Hazard

TSCA Inventory Status: All components are included or exempted from listed on the US Toxic Substances Control Act Inventory

Canadian DSL: All components are compliant with or are exempted from listing on the Canadian Domestic Substance List.

WHMIS (Canada): B-2, D-1A, D-1B, D-2A, D-2B

Section XVI – Miscellaneous

Disclaimer: **This information is furnished without warranty, expressed or implied, as to accuracy for completeness. This information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user

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