

Safety Data Sheet

FORMULA 1982

1. IDENTIFICATION

Product Name: FORMULA 1982 **Revised:** 8/13/14
Chemical Name: Not Applicable
Description: Clear amber liquid with mild amine odor
Recommended Use: Cooling System Lay Up
Restrictions on Use: Not for use in treating drinking water or some food processing cooling systems.

COMPANY IDENTIFICATION

B & L CONTROL SERVICE, INC.
1448 SARATOGA ROAD
BALLSTON SPA, NY 12020

PHONE NUMBER:

(518) 273-0500

EMERGENCY PHONE NUMBERS

CHEMTREC (800) 424-9300
Outside USA: CHEMTREC COLLECT (703) 527-3887

2. HAZARD(S) IDENTIFICATION

GHS Classification:

Serious eye damage/irritation - Category 2A
Skin corrosion/irritation - Category 2
Specific target organ toxicity, single exposure; respiratory tract irritation - Category 3
Acute toxicity, oral - Category 4

Signal Word: Warning

Symbol(s):



Hazard Statements:

Causes serious eye irritation
Causes skin irritation
May cause respiratory irritation
Harmful if swallowed

Precautionary Statements:

Prevention

Keep container tightly closed. Avoid breathing dusts or mists. Wash hands, forearms, gloves and contaminated surfaces thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear eye protection and protective industrial rubber gloves. When conditions warrant use, add face shield, apron, and/or rubber boots.

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CONTROL CENTER or doctor for treatment advice.

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CONTROL CENTER or doctor for treatment advice.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CONTROL CENTER or doctor for treatment advice.

Call a POISON CONTROL CENTER or doctor for treatment advice if you feel unwell.

Specific treatment (see First Aid on SDS or on this label).

If skin irritation occurs: Get medical advice or attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Storage

Store in a well-ventilated place. Keep container tightly closed.
Store in a secure manner.

Disposal

Dispose of in accordance with local, regional, national and international regulations.

Hazards Not Otherwise Classified: None Known.

Percentages of Components with Unknown Acute Toxicity: None Known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

A. Hazardous Ingredients	CAS NO.	%
Tolyltriazole, sodium salt	64665-57-2	<= 2.5%
Sodium molybdate	7631-95-0	<= 2.5%
B. Other Ingredients		%*
PROPRIETARY VAPOR PHASE CORROSION INHIBITOR		

*Exposure limit and regulatory information in Sections 8 & 15

**The exact percentage by weight is proprietary.

4. FIRST AID MEASURES

Eye Contact: Immediately flush with clean, cool water for 15 minutes and if irritation persists, get medical attention.

Skin Contact: Immediately wash skin with soap and plenty of water while removing contaminated clothing, for at least 15 minutes. If irritation persists, get medical attention. Launder contaminated clothing before reuse.

Inhalation: No adverse effects anticipated by this route of exposure. If effects occur, remove patient to fresh air and give artificial respiration if required and get medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with copious quantities of water first and get immediate medical attention. Drink several glasses of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep airways clear.

Note to Physician: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

Most Important Symptoms/Effects:

Eye Contact: May cause irritation. May cause corneal damage with prolonged contact.

Skin Contact: Prolonged and repeated skin contact may cause irritation.

Inhalation: Dusts, vapors, or mists may irritate respiratory passages.

Ingestion: May be toxic by ingestion. Do not take internally. May cause nausea, vomiting, and/or diarrhea.

Indication of Immediate Medical Attention and Special Treatment, if Necessary:

Other than acute, none known. See section 11 for toxicological information.

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Any media suitable for the surrounding fire.

Specific Hazards Arising from the Chemical: Product may be irritating to the eyes, skin, and respiratory system. Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat. If evaporated to dryness, some product residuals may burn. Oxides of carbon, nitrogen and sulfur may be released by the heat of a fire.

Special Protective Equipment and Precautions for Fire-Fighters: Wear self-contained breathing apparatus and full turn-out gear. Approach fire from upwind direction. If possible, move containers away from fire. Cool fire exposed containers with water spray. If containers rupture or leak, product may evolve irritating or toxic gas under extreme heat. Contain runoff

6. ACCIDENTAL RELEASE MEASURES

Spill Containment and Clean-up Instructions:

Wear suitable protective equipment found in section 8. Small spills may be flushed with copious quantities of water, preferably to a sanitary sewer or waste treatment facility. Larger spills may require neutralization prior to flushing or absorbed in sawdust or other absorbent and sweeping disposed of in an approved landfill. Avoid release of this product into the environment to prevent contamination of soil, sewers, natural waterways and/or groundwater. See Section 12 for Ecological Information.

7. HANDLING AND STORAGE

Handling and Storage:

Store in a cool, dry, well ventilated area, between 10°C and 49°C. Keep containers tightly closed when not in use and follow all recommended safety precautions when handling the material. Do not store near heat or open flame. Keep away from incompatible materials. See Section 10 for incompatible materials.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls: General ventilation expected to be satisfactory

PERSONAL PROTECTION EQUIPMENT

Respiratory: Not normally required.

Eyes and Face: Chemical resistant goggles or face shield.

Hands and Skin: Chemical resistant rubber, neoprene latex or PVC

Other Protective Equipment: Eyewash station in area of use. Wear long sleeve shirt, long pants, and boots.

EXPOSURE GUIDELINES

Exposure Limits:

COMPONENT

MOLYBDATE SALT

TLV: 0.5 mg/m³ (Mo)

PEL: 5 mg/m³ (Mo)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Clear amber liquid with mild amine odor		
Odor Threshold:	N.D.	Vapor Pressure:	N.D.
pH (undiluted):	9.1-9.8	Vapor Density:	< 1
Freeze Point:	N.D.	Specific Gravity(@22°C):	1.13-1.16
Boiling Point:	N.D.	Solubility in Water:	Complete
Flash Point:	None	Partition Coefficient:	N.D. (n-octanol/water)
		Auto-Ignition Temperature:	N.D.
Evaporation Rate:	1	Decomposition Temperature:	N.D.
Flammability (solid, gas):	No	Viscosity:	N.D.
Flammable Limits in Air:	LFL – N.A. UFL – N.A.		

10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical Stability: Stable under normal conditions

Possibility of Hazardous Reactions: Hazardous polymerization will not occur under normal conditions.

Conditions to Avoid: Avoid excessive heat, sparks or open flames.

Incompatible Materials: Strong acids, alkalis and oxidizing agents.

Hazardous Decomposition Products: Oxides of carbon, nitrogen and sulfur may be released by the heat of a fire.

11. TOXICOLOGICAL INFORMATION

Ingestion Testing: LD/LC50 values that are relevant for classification
Alkyltriazole: Rat, LD50: 675 mg/kg

Skin Testing: None established for this product.

Inhalation Testing: None established for this product.

CHRONIC TOXICITY DATA

Sensitization Testing: None established for this product.

Other Testing: None established for this product.

Routes of Exposure: Eyes, Ingestion, Inhalation, Skin.

Eye Contact: May cause irritation. May cause corneal damage with prolonged contact.

Skin Contact: Prolonged and repeated skin contact may cause irritation.

Inhalation: Dusts, vapors, or mists may irritate respiratory passages.

Ingestion: May be toxic by ingestion. Do not take internally. May cause nausea, vomiting, and/or diarrhea.

Medical Conditions Aggravated by Exposure: None known.

Chronic Effects from Repeated Overexposure: Other than short term effects, none established.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity Data: None established for this product.

Product Fate Data: None established for this product.

Biodegradation Data: None established for this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of in accordance with local, regional, national and international regulations. Contact the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
Container Disposal: Triple rinse container (or equivalent) promptly after emptying and offer for reconditioning if appropriate. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal.

14. TRANSPORT INFORMATION

US DEPARTMENT OF TRANSPORTATION (DOT) INFORMATION
NOT REGULATED

VESSEL TRANSPORT (IMO/IMDG)
NOT REGULATED

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA: All ingredients listed or exempt from listing.

CERCLA and/or SARA RQ: N.A.

SARA Section 302 Hazard Class: N.A.

SARA Section 311/312 Chemicals:

Acute Health Hazard: No

Chronic Health Hazard: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

SARA Section 313 Chemicals: N.A.

STATE REGULATIONS

N.A.

16. OTHER INFORMATION

HAZARD RATING SUMMARY

Hazard Rating System:	NFPA	CODE TRANSLATION
Health:	1	0 = Minimal Hazard
Flammability:	0	1 = Slight Hazard
Reactivity:	1	2 = Moderate Hazard
Special:		3 = Severe Hazard
		4 = Extreme Hazard

Other Precautions: This product has been designed for use for maintenance treatment and lay-up of cooling systems. It should be used only in accordance with the instructions provided by the technical representative servicing the facility.

MSDS REVISION SUMMARY

Revised Date	Revision Notes
8/13/14	GHS Version 1.0, Supersedes: 7/31/03

ABBREVIATION CODE SUMMARY

N.A. – Not Applicable
N/A – Not Available
N.D. – Not Determined
N.E. – None Established