

**B & L Control Service Inc.**  
WATER TREATMENT CONSULTANTS & MFG. REPRESENTATIVES  
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**PRODUCT DATA**

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**FORMULA 1252  
CLOSED SYSTEM INHIBITOR**

**DESCRIPTION AND USE**

FORMULA 1252 is formulated as a non-staining, low toxicity corrosion inhibitor for closed chilled or hot water systems. It is also an excellent low solids corrosion inhibitor for systems with strict conductivity limitations such as vacuum and induction type furnaces. In addition to the molybdate, the product performance is enhanced with an organic phosphinate dispersant and azole yellow metal corrosion inhibitor. The product is designed to replace older chromate or nitrite inhibitors. Both the problems of staining and toxicity with chromates and microbiological activity with nitrites are avoided.

**CHEMICAL FEEDING AND CONTROL**

FORMULA 1252 is normally shot fed to the system to establish the desired treatment concentration. For most systems, either a shot or bypass feeder is usually used.

FORMULA 1252 is controlled by a molybdate test. Either the sodium molybdate utilizing a color comparator or one of the molybdate molybdenum tests are satisfactory. For any of the tests, appropriate dilutions will be required to get the results into a readable range. Ordinary tap water may be used for dilution in most situations. The specific control ranges vary depending upon system conditions and will be specified by the technical representative servicing the facility.

**TYPICAL PROPERTIES**

Appearance .....	Clear colorless liquid
Odor .....	Characteristic
Flash Point .....	None
Specific gravity .....	1.046-1.054
pH(undiluted) .....	>13.0
Freeze Point .....	<-5°C(25°F)

**SAFETY AND HANDLING**

FORMULA 1252 may be toxic by ingestion. Do not take internally. If ingested, drink at least two (2) glasses of water and then get immediate medical attention. Contact with eyes causes severe irritation or burns. If eyes are contacted, immediately flush with clear water for 15 minutes and if irritation persists, get medical attention. For skin contact, wash with soap and water. For additional information, see the Material Safety Data Sheet provided with this product.

**PACKAGING**

FORMULA 1252 is packaged in 55, 30, and 15 gallon, non-returnable plastic drums. Also, 6 gallon pails are available by special order.