

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Totaline® One Shot Scale and Corrosion Control
Product Number(s): P902-5501, P902-5505, P902-5555
Product Use: Water Treatment

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Company Name: North American Research Corporation
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SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

	CAS Registry No.	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Soluble Molybdenum Compound	7631-95-0	(as Mo) 5 mg/m ³	(as Mo) 5 mg/m ³	None known	—

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product may irritate eyes on contact, but no reaction is expected on skin contact. Oral ingestion may cause some gastrointestinal distress.

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY:

INHALATION: Not likely to be inhaled as product is liquid that does not fume in its concentrate form or during normal use.

SKIN: May be mildly irritating.

EYES: Mildly irritating.

INGESTION: May cause some gastrointestinal distress.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Chemically sensitive individuals may develop a skin rash or irritation upon skin contact or prolonged use.

CHRONIC EFFECTS: None known. No components are listed as a carcinogen by IARC Monographs, NTP, or OSHA.

SECTION 4 FIRST AID MEASURES

INHALATION: Remove to fresh air. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Get medical attention.

SKIN: Wash thoroughly with soap and water. If irritation develops and persists, get medical attention.

EYES: Flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

INGESTION: Do not induce vomiting. Give several glasses of water and get immediate medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

FLASHPOINT: None METHOD: Not applicable LEL: Not applicable UEL: Not applicable

FLAMMABILITY CLASS: Not applicable

AUTOIGNITION TEMP: Not applicable

EXTINGUISHING MEDIA: Use as appropriate for surrounding fire.

SPECIAL FIRE FIGHTING INSTRUCTIONS: No special procedures or instructions related to this product.

UNUSUAL FIRE and EXPLOSION HAZARDS: None Known.

SECTION 6 ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Flush to drain with plenty of water. CAUTION: This product will stain in its concentrated form.

LARGE SPILLS: Dike area to contain material. Place in suitable clean, dry containers for disposal by approved methods.

Follow all federal, state and local regulations for releases and when disposing.

SECTION 7 STORAGE AND HANDLING

STORAGE CONDITIONS:

Store in labeled, sealed containers in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Do not remove or deface label. Do not reuse containers.

HANDLING PROCEDURES:

Wash hands thoroughly after use and before eating, drinking, or using the restroom. Any clothing or shoes which become contaminated should be removed immediately and thoroughly washed before wearing again.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: See section 2.

RESPIRATORY PROTECTION: Not required for normal use

EYE PROTECTION: Safety glasses or chemical goggles

SKIN PROTECTION: Rubber gloves

ENGINEERING CONTROLS (Ventilation): As required to maintain levels below exposure limits. Special ventilation requirements are not usually necessary for normal use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Dark blue liquid; practically odorless

SPECIFIC GRAVITY: 1.02

pH: 7.6

MELTING POINT: Not applicable

SOLUBILITY IN WATER: Complete

VAPOR DENSITY: Not determined

BOILING POINT: > 212°F

VAPOR PRESSURE: Not determined

EVAPORATION RATE (Butyl Acetate = 1): Not determined

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide

SECTION 11 TOXICOLOGICAL INFORMATION

No specific data are available.

SECTION 12 ECOLOGICAL INFORMATION

No specific data are available.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

U.S. Department of Transportation:

Not regulated

SECTION 15 REGULATORY INFORMATION

TSCA: All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA: No reportable ingredients

SARA TITLE III:

Section 311/312 Hazard Category: Acute: No Chronic: No Fire: No Pressure: No Reactive Hazard: No

Section 313 Reportable Ingredients: None

SECTION 16 OTHER INFORMATION

NFPA RATING: Health – 1, Flammability – 0, Reactivity – 0

HMIS® RATING: Health – 1, Flammability – 0, Reactivity – 0

HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA). HMIS® materials may be purchased exclusively from Labelmaster, 1-800-621-5808.

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