

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-419/4197-07-3.html> for suppliers of this product.

## Composition/Information on Ingredient

<b>Cas:</b> 4197-07-3
<b>Code:</b> M
<b>RTECS:</b> OJ6418000
<b>Code:</b> M
<b>Name:</b> CHROMOTROPE 2R
<b>Other REC Limits:</b> N/K
<b>OSHA PEL:</b> N/K
<b>Code:</b> M
<b>OSHA STEL:</b>
<b>Code:</b>
<b>ACGIH TLV:</b> N/K
<b>Code:</b> M
<b>ACGIHSTEL:</b> N/P
<b>Code:</b> 2

## Control Measures

<b>Respiratory Protection:</b> AS REQUIRED
<b>Ventilation:</b> MECHANICAL: SUITABLE. LOCAL: SHOULD BE USED AT POINTS WHERE VAPORS ARE EXPECTED TO BE VENTED TO THE WORKPLACE AIR.
<b>Protective Gloves:</b> RUBBER
<b>Eye Protection:</b> GOGGLES, SAFETY GLASSES
<b>Other Protective Equipment:</b> Equipment LAB COAT, EYE BATH, SAFETY SHOWER
<b>Work Hygienic Practices:</b> REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
<b>Supplemental Safety and Health:</b> 6680 TRICHROME STAIN KIT CONTAINS SOLUTION 1-8.

## Health Hazards Data

<b>LD50LC50Mixture:</b> N/K
<b>Route Of Entry Inds - Inhalation:</b> YES
<b>Skin:</b> YES
<b>Ingestion:</b> YES
<b>Carcinogenicity Inds - NTP:</b> NO
<b>IARC:</b> NO
<b>OSHA:</b> NO
<b>Health Hazards Acute And Chronic:</b> INGESTION: VOMITING, THIRST, ABDOMINAL SPASMS, & DIFFICULTY IN SWALLOWING. INHALATION: DIZZINESS, DROWSINESS, & IRRITATION TO NOSE & LUNGS. SKIN: IRRITATION. EYES: CONJUNCTIVITIS & IRRITATION.
<b>Explanation Of Carcinogenicity:</b> NONE
<b>Signs And Symptions Of Overexposure:</b> INGESTION: VOMITING, THIRST, ABDOMINAL SPASMS, & DIFFICULTY IN SWALLOWING. INHALATION: DIZZINESS, DROWSINESS, & IRRITATION TO NOSE & LUNGS. EYES: IRRITATION & CONJUNCTIVITIS & IRRITATION. SKIN: IRRITA TION.
<b>Medical Cond Aggravated By Exposure:</b> N/K
<b>First Aid:</b> EYES: FLUSH WELL W/PLENTY OF WATER FOR 15 MINS. CONTINUE FLUSHING W/NORMAL SALINE 30-60 MIN. INHALATION: GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS SPED. INGESTION: DON'T USE GASTRIC LAVAGE. DILU TE IMMEDIATELY BY DRINKING LARGE GLASSES OF WATER. SKIN: FLUSH W/WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.
<b>Spill Release Procedures:</b> WEAR GLOVES & SOAK UP SPILLED SOLUTION W/DISPOSABLE TOWELS. FLUSH SMALL SPILL W/LARGE QUANTITIES OF WATER. COLLECT LARGE SPILLS.
<b>Neutralizing Agent:</b> N/R
<b>Waste Disposal Methods:</b> DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS. FLUSH W/WATER, CONTROLLED BURNING.
<b>Handling And Storage Precautions:</b> PROTECT UNITS AGAINST PHYSICAL DAMAGE.
<b>Other Precautions:</b> STORE COOL, DRY AREA. STORE IN TIGHTLY CLOSED CONTAINER. DON'T INGEST.

## Fire and Explosion Hazard Information

<b>Flash Point Method:</b> TCC
<b>Flash Point:</b>
<b>Flash Point Text:</b> 103F 3
<b>Autoignition Temp:</b>
<b>Autoignition Temp Text:</b> N/A
<b>Lower Limits:</b> 4%
<b>Upper Limits:</b> 19.9%
<b>Extinguishing Media:</b> WATER SPRAY, CO2, DRY CHEMICAL, ALCOHOL TYPE OR UNIVERSAL TYPE FOAMS
<b>Fire Fighting Procedures:</b> USE SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING.
<b>Unusual Fire/Explosion Hazard:</b> AUTOIGNITION TEMPERATURE: 867F.

## Physical/Chemical Properties

<b>HCC:</b>
<b>NRC/State LIC No:</b>
<b>Net Prop WT For Ammo:</b>
<b>Boiling Point:</b>
<b>B.P. Text:</b> 244F
<b>Melt /Freeze Pt:</b>
<b>M.P/F.P Text:</b> 62F
<b>Decomp Temp:</b>
<b>Decomp Text:</b> N/K
<b>Vapor Pres:</b> 11.8
<b>Vapor Density:</b> 2.07
<b>Volatile Org Content %:</b>
<b>Spec Gravity:</b> 1.0492
<b>VOC Pounds/Gallon:</b>
<b>PH:</b> N/K 4
<b>VOC Grams/Liter:</b>
<b>Viscosity:</b> N/P
<b>Evaporation Rate &amp; Reference:</b> N/K
<b>Solubility in Water:</b> COMPLETE
<b>Appearance and Odor:</b> LIQUID W/STRONG PUNGENT ODOR OF VINEGAR.
<b>Percent Volatiles by Volume:</b> N/K
<b>Corrosion Rate:</b> N/K

## Reactivity Data

<b>Stability Indicator:</b> YES
<b>Stability Condition To Avoid:</b> OPEN FLAMES
<b>Materials To Avoid:</b> N/K
<b>Hazardous Decomposition Products:</b> N/R
<b>Hazardous Polymerization Indicator:</b> NO
<b>Conditions To Avoid Polymerization:</b> N/R

## Toxicological Information

<b>Information:</b> N/P
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## MSDS Transport Information

<b>Information:</b> N/P
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## Regulatory Information

<b>Sara Title III Information:</b> N/P
<b>Federal Regulatory Information:</b> N/P
<b>State Regulatory Information:</b> N/P

## Other Information

<b>Other Information:</b> N/P
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