## MATERIAL SAFETY DATA SHEET

Date Printed: 03/20/2011 Date Updated: 01/30/2006 Version 1.3

Section 1 - Product and Company Information

Product Name ANTHRACENE CHROME RED A Product Number A6543 Brand SIGMA

Company Address

Technical Phone: Fax: Emergency Phone: Sigma-Aldrich

3050 Spruce Street SAINT LOUIS MO 63103 US 800-325-5832 800-325-5052 314-776-6555

Section 2 - Composition/Information on Ingredient

Substance Name ANTHRACENE CHROME RED A CAS # 3564-26-9

SARA 313 No

Formula C12H9N2NaO6S

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Caution: Avoid contact and inhalation.

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

ORAL EXPOSURE If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

FLASH POINT N/A

AUTOIGNITION TEMP N/A FLAMMABILITY N/A EXTINGUISHING MEDIA Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam. FIREFIGHTING Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions. Section 6 - Accidental Release Measures PROCEDURE(S) OF PERSONAL PRECAUTION(S) Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. METHODS FOR CLEANING UP Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Section 7 - Handling and Storage Section 8 - Exposure Controls / PPE ENGINEERING CONTROLS Mechanical exhaust required. PERSONAL PROTECTIVE EQUIPMENT Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Section 9 - Physical/Chemical Properties Physical State: Solid Appearance Property Value At Temperature or Pressure Molecular Weight 332.3 AMU N/A рΗ BP/BP Range N/A MP/MP Range N/A Freezing Point Freezing Point Vapor Pressure N/A N/A Vapor Density N/A Saturated Vapor Conc. N/A Bulk Density Bulk Density Odor Threshold N/A N/A Volatile% N/A VOC Content N/A Water Content N/A Solvent Content N/A Evaporation Rate N/A Viscosity N/A Surface Tension N/A

<pre>N/A = not available Section 10 - Stability and Reactivity STABILITY Stable: Stable. HAZARDOUS DECOMPOSITION PRODUCTS Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides. HAZARDOUS POLYMERIZATION Hazardous Polymerization: Will not occur Section 11 - Toxicological Information ROUTE OF EXPOSURE Multiple Routes: May cause irritation. May be harmful by inhalation, ingestion, or skin absorption. SENSITIZATION Sensitization: May cause allergic reaction. CONDITIONS AOGRAVATED BY EXPOSURE The toxicological properties have not been thoroughly investigated. Section 12 - Ecological Information No data available. Section 13 - Disposal Considerations APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Section 14 - Transport Information DOT Proper Shipping Name: None Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport. IATA Non-Hazardous for Air Transport: Non-hazardous for air transport.</pre>	Decomposition Temp. N Flash Point N Explosion Limits N Flammability N Autoignition Temp N Refractive Index N Optical Rotation N Miscellaneous Data N	I/A I/A I/A I/A I/A I/A I/A	
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Section 15 - Regulatory Information

US CLASSIFICATION AND LABEL TEXT US Statements: Caution: Avoid contact and inhalation. UNITED STATES REGULATORY INFORMATION SARA LISTED: No CANADA REGULATORY INFORMATION WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR. DSL: No NDSL: Yes

Section 16 - Other Information

## DISCLAIMER

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

## WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2010 Sigma-Aldrich Co. License granted to make unlimitedpaper copies for internal use only.