



**MEOR**

*Maximizing Earths Original Resources, L.L.C.*

4610 S. 33<sup>rd</sup> Place • Phoenix, AZ 85040 • Phone: (480) 929-9194 • Fax: (480) 219-6875 • www.meor.net

## **MATERIAL SAFETY DATA SHEET SULF-B-GONE II**

### **SECTION 1. PRODUCT IDENTIFICATION**

PRODUCT NAME: *SULF-B-GONE II* REV. DATE: 02/19/04  
CHEMICAL FAMILY: Aqueous Dispersion of Anthraquinone

### **SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient	CAS No.	% by Wt.
Anthraquinone	84-65-1	20%
Water	7732-18-5	76%

### **SECTION 3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:** Eye, skin and respiratory tract irritant. Prolonged or repeated contact may cause skin or eye irritation. The health hazards of this product should be low under normal industrial and commercial uses.

**EYE:** May be slightly irritating. Discomfort and blurring of vision may occur.

**SKIN:** A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. Prolonged or repeated skin contact may cause irritation.

In some skin contact cases, skin sensitization may result (an allergic reaction, not limited to the site of the contact, which appears after subsequent exposure to a substance).

**INHALATION:** Avoid breathing vapors or mists. Prolonged or excessive inhalation may cause respiratory tract irritation.

**INGESTION:** Essentially non-toxic.

**CARCINOGENICITY INFORMATION:** No known cancer hazards.

### **SECTION 4. FIRST AID MEASURES**

**EYE CONTACT:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

**SKIN CONTACT:** Wash affected area immediately with large amounts of soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

**INHALATION:** Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Get medical attention if cough or other symptoms develop.

**INGESTION:** Ingestion is not considered a potential route of exposure. If swallowed, immediately give two glasses of water. Contact a physician.

**NOTES TO PHYSICIAN:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically.

### **SECTION 5. FIRE FIGHTING MEASURES**

**FLAMMABLE:** PMCC Flashpoint: >93.9 C (>201.0 F)

**AUTOIGNITION TEMPERATURE:** N/A



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**FLAMMABLE LIMITS IN AIR:**

LEL: N/A

FUEL: N/A

**EXTINGUISHING MEDIA:** Water, carbon dioxide, foam, or dry powder.

**FIRE AND EXPLOSION HAZARDS:** No known unusual hazards in a fire/explosion situation.

**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure demand

MSHA/NIOSH (approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Dike and collect water used to fight fire. Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

**COMBUSTION PRODUCTS:** In the case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**SAFEGUARDS (PERSONNEL):** Wear appropriate personal protective equipment. Eliminate all sources of ignition – heat, sparks, flame, electricity, impact and friction. Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Exposure Controls/Personal Protection. Contain liquid to prevent further contamination of soil, surface water or groundwater.

**INITIAL CONTAINMENT:** Contain spilled material. Absorb spills with inert material.

**LARGE SPILLS PROCEDURE:** Contain spilled liquid with sand or earth. Avoid runoff into storm sewers and ditches which lead to waterways. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

**SMALL SPILLS PROCEDURE:** Clean up any area by absorbent material.

## SECTION 7. HANDLING & STORAGE

**RECOMMENDED STORAGE TEMPERATURE:**

Minimum: 7.2 C (45.0 F)

Maximum: 37.8 C (100.0 F)

**HANDLING (PERSONNEL):** Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged contact with skin or eyes. Avoid breathing mists. Wash hands thoroughly after handling.

**HANDLING (PHYSICAL ASPECTS):** Store in a secure area. Provide appropriate ventilation.

**STORAGE PRECAUTIONS:** Keep container tightly closed. Do not store near combustible materials. Avoid extreme temperatures. Keep from freezing.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**EYE / FACE PROTECTION REQUIREMENTS:** Chemical goggles are recommended to avoid contact with eyes.

**SKIN PROTECTION REQUIREMENTS:** Wear protective gloves to minimize skin contamination. Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation.

**RESPIRATORY PROTECTION REQUIREMENTS:** When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.



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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid  
COLOR: Tan  
ODOR: Slight acrid odor  
BOILING POINT: >212°F @ 760 mm Hg  
VAPOR PRESSURE: < 17.5 mm Hg @68° F  
SOLUBILITY IN WATER: Dispersible  
SPECIFIC GRAVITY: 1.18 @ 25 C (77 F) Water=1  
pH: 7.0 - 9.0 at 100 wt/wt%  
EVAPORATION RATE: <1 (Butyl Acetate=1  
DENSITY: 10.0 lbs/gal

## SECTION 10. STABILITY AND REACTIVITY

STABILITY: This product is stable at ambient conditions.  
POLYMERIZATION: Hazardous polymerization will not occur.  
INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with strong bases. Avoid contact with acids and oxidizing agents.  
DECOMPOSITION: Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons.  
CONDITIONS TO AVOID: Avoid extreme temperatures.  
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO<sub>2</sub>, PO<sub>x</sub>.  
HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

No information available.

## SECTION 12. ECOLOGICAL INFORMATION

No information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Avoid disposal into wastewater treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.  
EPA HAZARDOUS WASTE: NO  
CONTAINER DISPOSAL: Rinse containers before disposal.

## SECTION 14. TRANSPORT INFORMATION

PRODUCT LABEL: SULF-B-GONE II  
DOT SHIPPING NAME: Not Regulated  
MISCELLANEOUS: The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.



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## SECTION 15. REGULATORY INFORMATION

### SARA 311 CATEGORIES:

IMMEDIATE/ACUTE HEALTH EFFECTS: YES  
DELAYED/CHRONIC HEALTH EFFECTS: NO  
FIRE HAZARD: NO  
SUDDEN RELEASE OF PRESSURE HAZARD: NO  
REACTIVITY HAZARD: NO

### REGULATORY LISTS SEARCHED:

01 = SARA 313	02 = SARA 302/304
03 = ACGIH TWA	04 = ACGIH Calc TLV
05 = CANADIAN WHMIS	06 = CA Proposition 65
07 = CERCLA 302.4	08 = ACGIH STEL
09 = OSHA PEL	10 = OSHA Ceiling

EEC SYMBOLS AND INDICATIONS OF DANGER: Not Determined

WHMIS HAZARD SYMBOLS: Class D-2(B) – Materials Causing Other Toxic Effects

MISCELLANEOUS INFORMATION: This material or all of its components are listed on the Canadian Domestic Substances List (DSL).

## SECTION 16. OTHER INFORMATION

REASON FOR ISSUE:	NEW PRODUCT
APPROVAL DATE:	FEBRUARY 19, 2004
SUPERCEDES DATE:	NEW
MSDS NUMBER:	FDIAQ2000

HMIS RATING: Health – 2

Flammability – 1  
Reactivity – 0

NFPA RATING:

Health – 2  
Flammability – 1  
Reactivity – 0

REVISION STATEMENT: Revised information in section(s): NA

### ABBREVIATIONS USED IN THIS MSDS:

TLV – Threshold Limit Value	TWA – Time Weighted Average
STEL – Short Term Exposure Limit	TPQ – Threshold Planning Quality
RQ – Reportable Quantity	PEL – Permissible Exposure Level
C – Ceiling Limit	CAS – Chemical Abstract Service Number
NDA – No Data Available	N/A – Not Applicable or Not Available



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MSDS PREPARATORY STATEMENT: Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by M.E.O.R.

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The information and recommendations contained in the Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the best opinion on the subject as of the date on this sheet. However, no warranty, guarantee or representation, express or implied, is made by M.E.O.R. as to the correctness or sufficiency of this information or to the results to be obtained from the use thereof.