



# Safety Data Sheet

Report Date 15-Mar-22

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## 1. Identification

**Product Name** : OMNI BRAND S-MOC 82.4% SAFENED  
**Synonyms** : Omni Brand S-Moc 82.4%  
**Product Use** : S-metolachlor herbicide  
**Manufacturer/Supplier** : Helena Agri-Enterprises, LLC  
**Address** : 225 Schilling Blvd. Collierville, TN 38017  
**General Information** : 901-761-0050  
**Transportation Emergency Number** : CHEMTREC:800-424-9300

## 2. Hazard Identification



**Signal Word** : Danger  
**Skin Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Eye Irritation** : Causes serious eye damage  
**Acute Toxicity Oral** : LD50 = 4,545 mg/kg (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).  
**Acute Toxicity Dermal** : LD50 > 2,000 mg/kg (rat, rabbit). Harmful in contact with skin.  
**Hazard Categories** : Dermal Toxicity-4; Eye Irritation-1  
**Hazard Statement** : Harmful in contact with skin  
Causes serious eye damage

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
S-metolachlor	87392-12-9	82.4
Other ingredients, Including:		17.6
Calcium dodecylbenzene sulfonate	26264-06-2	1-5%
Benoxacor	98730-04-2	5.25%
Ethoxylated polyarylphenol	99734-09-5	4.40%

## 4. First Aid Measures

**Eye** : Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin** : Remove contaminated clothing and shoes. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation** : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.

**Ingestion** : Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without first obtaining medical advice.



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**Indication of Immediate Medical Attention and Special Treatment Needed** : Treat symptomatically.

## 5. Fire Fighting Measures

**Extinguishing Media** : Use carbon dioxide, dry powder, foam or water spray.  
**Specific Hazards Arising from the Chemical** : No information available  
**Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

## 6. Accidental Release Measures

**Personal Precautions** : Ensure adequate ventilation, especially if in a confined area. Avoid contact with skin and eyes. Use proper personal protective equipment.  
**Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respiratory protection if airborne exposure is likely. Eyewash and emergency shower should be available in work area.  
**Emergency Procedures** : Do not contaminate water supplies. Contain spilled liquid by diking to prevent spreading.  
**Methods and Materials for Containment and Cleanup** : Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

## 7. Handling and Storage

**Precautions for Safe Handling** : Wear personal protective equipment. Remove and wash contaminated clothing before reuse. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Keep away from flames and hot surfaces. Wash thoroughly after handling.  
**Conditions for Safe Storage** : Keep container tightly closed in a dry and well-ventilated place. Incompatible with strong oxidizing agents and strong acids.

## 8. Exposure Controls / Personal Protection

**TLV/PEL** : No TLV or PEL established for this mixture.  
**Appropriate Engineering Controls** : Ensure adequate ventilation is provided.  
**Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH approved respiratory protection when airborne exposure is likely. Eyewash and emergency shower should be available in work area.

## 9. Physical and Chemical Properties

**Odor/Appearance** : Dark brown viscous liquid; characteristic odor.  
**Flash Point, °F** : 342.1 Degrees F.  
**Boiling Point, °F** : No information available  
**Melting Point(Freezing point), °C** : No information available  
**Vapor Pressure, mm Hg @ 20 °C** : No information available  
**Vapor Density** : No information available  
**Solubility in Water** : Emulsifies in water  
**Molecular Formula** : Not applicable, formulated mixture.  
**Density, g/mL @ 25 °C** : 1.11527 @ 20 Degrees C.



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Evaporation Rate(Butyl Acetate = 1) : No information available  
Octanol/Water Partition Coefficient : No information available  
pH : 5.23  
Flammable Limits (approximate volume % in air) : No information available  
Auto-ignition Temperature : No information available  
Decomposition temperature : No information available

### 10. Stability and Reactivity

Reactivity : Not reactive  
Chemical Stability : Stable  
Hazardous Decomposition Products : Carbon oxides, nitrogen oxides, hydrogen chloride.  
Hazardous Polymerization : Will not occur  
Conditions to Avoid : Keep away from open flames, hot surfaces and sources of ignition.  
Incompatible Materials : Strong oxidizing agents. Strong acids.

### 11. Toxicological Information

Acute Toxicity (Oral LD50) : 4,545 mg/kg (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).  
Acute Toxicity (Dermal LD50) : >2,000 mg/kg (rat, rabbit). Harmful in contact with skin.  
Acute Toxicity Inhalation LC50 : >20.96 mg/L/1 hour (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).  
Likely Routes of Exposure : Skin, eyes  
Skin Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012).  
Eye Irritation : Causes serious eye damage. Causes substantial but temporary eye injury.  
Skin Sensitization : Not classified as a skin sensitizer.  
Carcinogenic : Not listed by IARC, NTP or OSHA.  
Chronic Effects : None currently known.  
Other Hazards : CA PROPOSITION 65 WARNINGS: No listed ingredients appear on the CA PROPOSITION 65 WARNINGS listing.

### 12. Ecological Information

Ecotoxicity : No information found  
Persistence and Degradability : No information found  
Bioaccumulative Potential : No information found  
Mobility in Soil : No information found  
Other Adverse Effects : No information found

### 13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

### 14. Transport Information



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**UN Proper Shipping Name** : Not regulated by DOT for ground transportation. If shipped by air (IATA) or water (IMDG), classified as a marine pollutant.  
**Transport Hazard Class** : None  
**UN Identification Number** : None  
**Packaging Group** : None  
**Environmental Hazards** : Not listed as a Marine Pollutant per Appendix B to 49 CFR 172.101.  
**Transport in Bulk** : Not regulated by DOT for bulk shipments by ground.  
**Special Precautions for Transportation** : If shipped by air (IATA) or water (IMDG), ship as: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (S-metolachlor), 9, PG III, Marine Pollutant  
**Freight Classification** : Pesticides, NOI, Herbicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

## 15. Regulatory Information

**National Fire Protection Association Rating** :

Health: 1 Fire: 0 Reactivity: 0  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

**S.A.R.A Title III Hazard Classification (Yes/No)** :

Immediate( Acute) Health: Y  
Delayed (Chronic) Health: N  
Sudden Release of Pressure: N  
Fire: N  
Reactive: N

**FIFRA Information** : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Registration Number** : 5905-652

**FIFRA Signal Word** : Warning

**FIFRA Label Statement** : Keep out of reach of children.

**FIFRA Label Statement** : Causes substantial but temporary eye injury.

**FIFRA Label Statement** : Harmful if absorbed through skin.

**FIFRA Label Statement** : Harmful if swallowed.

**FIFRA Label Statement** : Do not get in eyes or on clothing.

**FIFRA Label Statement** : Wear protective eyewear (goggles, face shield, or safety glasses).

**FIFRA Label Statement** : No additional label statements.

## 16. Other Information

**Data of Preparation/Revision** : 15-March-2022