

Material Safety Data Sheet

Effective Date: 21-SEP-2001  
Product: COMMAND 3 ME, HELENA

I. IDENTIFICATION

Chemical Name: Clomazone  
Chemical Family: Herbicides  
Formula: Not applicable, formulated mixture.  
Synonyms: FMC 57020  
CAS Number: Not applicable, formulated mixture.  
EPA Number: 279-3158-5905

II. PHYSICAL DATA

Boiling Point: Not determined.  
Freezing Point: Not determined.  
Spec Gravity: 1.14 gms/cc.  
Vapor Pressure: Not determined  
Vapor Density: Not determined  
Solubility: Disperses  
Volatiles: Not determined  
Evaporation: Not determined  
Melting Point: Not applicable  
Appearance: Brown liquid, slightly aromatic hydrocarbon odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Clomazone	81777-89-1	31.40	None	
Polymeric Isocyanates	9016-87-9	<5.00	None	
Calcium Chloride	10043-52-4	<4.50	10 mg/m3	Moderate to severe eye & skin irritant.
Inert ingredients		>59.10		

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >203 Degrees F. (TOC)  
Autoignition Temp: Not determined.  
Flammable Limit: Not determined.  
Extinguishing Media: Foam, carbon dioxide, or dry chemical. Soft stream water fog only if needed. Contain all runoff.  
Special Fire Fight Proc: Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke or

Material Safety Data Sheet

Effective Date: 21-SEP-2001

Product: COMMAND 3 ME, HELENA

-----  
vapors generated.

Fire and Expl Hazard: Slightly combustible. Material may support  
combustion at elevated temperatures.

-----  
V. HEALTH HAZARD  
-----

Carcinogen Information: Not listed by IARC, NTP, or OSHA.

ACUTE EFFECTS OF OVER EXPOSURE  
-----

Swallowing: This product has low oral toxicity. Acute Oral  
LD50 (rat) >5,000 mg/kg. Signs of toxicity may  
include sluggishness, dyspnea, diarrhea, and  
oral and nasal discharge.

Skin Absorption: Acute Dermal LD50 (rat) >5,000 mg/kg. Low  
dermal toxicity.

Inhalation: Acute Inhalation LC50 >5.21 mg/L/4 hour (rat).  
This was the maximum achievable concentration  
which resulted in zero mortality.

Skin contact: Prolonged or repeated exposure to calcium  
chloride, on the skin, may cause skin  
irritation or burns. The severity of skin  
irritation may increase on damp or broken  
skin.

Eye Contact: Non-irritating to the eyes.

Chronic Effects: No data available for this formulation.

Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES  
-----

Swallowing: Rinse mouth with water. Dilute by giving 1 or  
2 glasses of water to drink. Do not induce  
vomiting. Never give anything by mouth to an  
unconscious person. Seek medical attention  
immediately.

Skin: Wash skin with plenty of soap and water.  
Launder contaminated clothing prior to reuse.

Inhalation: Remove to fresh air. If breathing difficulty  
or discomfort occurs and persists, seek medical  
attention.

Eyes: Flush eyes with water for at least 15 minutes,  
holding eyelids open. Get medical attention if  
irritation occurs and persists.

Notes to Physician: This product has low oral, dermal, and  
inhalation toxicity. It is non-irritating to  
the eyes and skin. Treatment is otherwise  
controlled removal of exposure followed by  
symptomatic and supportive care.

Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 800-424-9300

10-JUL-2002 10:13:23  
Page 3 Of 4

Material Safety Data Sheet

Effective Date: 21-SEP-2001  
Product: COMMAND 3 ME, HELENA

-----  
VI. REACTIVITY  
-----

Stability: Stable  
Conditions to Avoid: Excessive heat and fire.  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.  
Incompatibility material: Excessive heat and fire.  
Hazardous Combustion: Carbon monoxide, carbon dioxide, oxides of  
nitrogen, chlorine and hydrogen chloride.

-----  
VII. SPILL OR LEAK PROCEDURES  
-----

Spill or Leak Proc: Isolate spill area. Wear appropriate PPE as  
described in Section VIII. Keep material out  
of lakes, streams, ponds, and sewer drains.  
Dike spill and absorb with an absorbent such as  
clay, sand or soil. Vacuum, shovel, or pump  
spill material into a chemical waste container  
and label for contents. To clean and  
neutralize spill area or equipment, wash with a  
20% solution of potassium hydroxide in  
methanol. Then, triple wash with soap and  
water.  
Waste Disposal Method: This material must be disposed of according to  
Federal, State, or Local procedures under the  
Resource Conservation and Recovery Act.

-----  
VIII. SPECIAL PROTECTION INFORMATION  
-----

Respiration: Use NIOSH/MSHA-approved respirator for  
pesticides if splash, mist or spray is present.  
Ventilation: Local exhaust when vapors or mists are emitted.  
Gloves: Impervious gloves, such as nitrile or Viton.  
Eyes: Chemical workers goggles or face shield  
Other: Safety shower, eyewash station, coveralls,  
impervious apron and footwear. PVC suit may be  
needed for large exposures.

-----  
IX. SPECIAL PRECAUTIONS  
-----

Special precaution: Keep out of reach of children. Do not store  
with food, feed, or other material to be used  
or consumed by humans or animals. Store in a  
cool, dry, well-ventilated place. Do not use  
or store near heat, open flame, or hot

Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 800-424-9300

10-JUL-2002 10:13:23  
Page 4 Of 4

Material Safety Data Sheet

Effective Date: 21-SEP-2001

Product: COMMAND 3 ME, HELENA

-----  
surfaces. Store in original containers only.  
Prevent freezing by storing above -4 Degrees F.  
Other precaution: If product becomes frozen, thaw completely  
before reuse. For re-circulation directions,  
refer to the product label under "Mixing and  
Handling" instructions for "Bulk/Mini-bulk  
Containers."  
-----

-----  
X. SHIPPING INFORMATION  
-----

Shipping name: Not regulated by DOT (highway) or IMDG (water).  
Hazard Class: None  
Identification No: None  
Labels Required: None required  
Placarding: None  
Freight Class: Compound, Weed Killing (Herbicide), N.O.I.  
(NMFC Item 50320, Class 60)  
Chemical Name Equivalent R.Q.  
-----  
Not applicable Not applicable  
-----

-----  
XI. GENERAL PRODUCT INFORMATION  
-----

National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2 Fire: 2 Reactivity: 0

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

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

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
Helena Chemical Company believes that the data contained herein is factual.  
This data is not to be taken as a warranty or representation of legal  
responsibility. It is offered solely for your consideration, investigation  
and verification.