

Safety Data Sheet

CHECK MH-15

SDS Number: 10390
 SDS Prepared: 02/15/2008
 SDS Version: 3.0
 Version Date: 09/11/2013

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CHECK MH-15
CHEMICAL NAME: Maleic Hydrazide
CHEMICAL FAMILY: Pyridazine
SYNONYMS: Maleic Hydrazide, MH
COMMON NAME: Maleic Hydrazide potassium salt
EPA REGISTRATION NUMBER: 5549-89

Manufactured by:
 Coastal AgroBusiness Inc.
 PO Box 856
 Greenville, NC 27835
 Phone: 1-800-635-1388

Emergency Telephone Numbers
 Chemtec (24 hours)
 1800-424-9300
 Coastal AgroBusiness, Inc. (Weekdays – Eastern Standard Time)
 1-800-635-1388

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION- Wear a long-sleeved shirt, long pants, and chemical resistant gloves at all times when mixing, loading, handling or applying this chemical. Causes eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

This product is a pale, yellow liquid with a slight odor. Primary routes of entry are inhalation, eye contact and skin contact

3. COMPOSITION INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>PEL/TLV</u>
1,2-Dihydro-3,6 pyridazinedione, potassium salt	21.7%	28382-15-2	NE/NE
Inert Ingredients	78.3		NE/NE

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least fifteen minutes, holding eyelids apart to ensure flushing of the entire eye surface. Do not let victim rub eyes. Seek medical attention.

SKIN: Remove contaminated clothing and wash with large amounts of soap and water. If irritation develops, contact a physician.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by the poison control center. DO NOT give anything by mouth to an unconscious person.

INHALATION Remove person from area of exposure. Give artificial respiration if necessary. If breathing is difficult, give oxygen if qualified operator is available. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method):	212°F (100°C) TCC
FLAMMABLE LIMITS (LFL & UFL):	Not established
EXTINGUISHING MEDIA	<p>Large fires: alcohol type foams or universal-type foams.</p> <p>Small fires: Water spray, dry chemical, CO₂.</p> <p>Unsuitable: Water jets.</p> <p>Do not discharge extinguishing waters into streams, rivers and lakes.</p> <p>Irritating fumes, oxides of carbon, oxides of nitrogen</p>
HAZARDOUS COMBUSTION PRODUCTS:	
SPECIAL FIRE FIGHTING PROCEDURES:	Cool exposed equipment with water spray. Self-contained positive pressure breathing apparatus should be worn when there is a possibility of exposure to smoke, fumes or hazardous decomposition products. If spill or leak has not ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from fire and to dilute spills to nonflammable mixtures.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Fire or excessive heat may release oxides of nitrogen.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Small spills: Absorb on inert material. Shovel into secure containers for proper disposal.

Large spills: Dike to contain spill. Pump excess material into suitable container (metal drums, metal tank, or such).

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin and clothing. Use with adequate ventilation. If containers are exposed to excessive heating, the contents can be remixed by lowering the temperature of the entire formulation below 134°F and applying agitation. Always shake or stir well before use.

STORAGE: Store away from sources of direct heat in a dry area. Store below 220°F (104°C). See package label for details. The active ingredient will separate from the surfactant at temperatures above 134°F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THRESHOLD LIMIT VALUE:	Not established
PERMISSIBLE EXPOSURE LIMIT:	Not established
SIGNS AND SYMPTOMS OF EXPOSURE:	Contact with skin and eyes can cause severe irritation
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	Dermatitis
PRIMARY ROUTES OF ENTRY:	Inhalation, absorption
ENGINEERING CONTROLS:	General room ventilation is expected to be satisfactory, Local ventilation is needed in the presence of airborne mists, sprays or aerosols and/or high vapor concentrations.
RESPIRATORY PROTECTION:	In the absence of adequate ventilation, use NIOSH-certified pesticide cartridge respirator.
EYE PROTECTION:	When contact with liquid is possible, use a face shield or splash goggles, otherwise use safety glasses.
SKIN PROTECTION:	Use full protective clothing, boots and gloves when in contact with liquid.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND COLOR: Pale, yellow liquid, slight odor

SPECIFIC GRAVITY: (Water=1):	1.13
VAPOR PRESSURE:	8 mm Hg @ 20°C
VAPOR DENSITY (Air = 1):	Not applicable
% VOLATILITY (V/V):	71% @ 70°F
BOILING POINT:	217°F (103°C)
MELTING POINT:	Not applicable
SOLUBILITY:	Not determined
pH:	9.2
VISCOSITY @ 22°C:	3mPa.s at 25° C

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY:	Stable under normal storage and handling conditions
CONDITIONS TO AVOID:	Excessive heat
INCOMPATIBILITY:	Strong acids may precipitate compound. Strong Bases, Oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS:	Irritating fumes, oxides of carbon, oxides of nitrogen
HAZARDOUS POLYMERIZATION:	Will not occur

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD₅₀:	>5000 mg/kg
EYE IRRITATION:	Mild
INHALATION LC₅₀:	>5.8 mg/l
CARCINOGENETIC POTENTIAL:	None determined
ACUTE DERMAL LD₅₀:	>5000 mg/kg
SKIN IRRITATION/SENSITIZATION:	Mild

12. ECOLOGICAL INFORMATION

1,2-Diylro-3,6-pyridazinedione, potassium salt:	
Acute toxicity to fish, LC₅₀ Rainbow Trout	>1000mg/l. Exposure time 96h
Acute toxicity Fish: LC₅₀ Sheepshead minnow	>104mg/l. Exposure time 96h
Aquatic toxicity to plants: IC₅₀ Selenastrum capricornutum	9.84 mg/l. Exposure time 5d
Acute toxicity to aquatic invertebrates: EC₅₀ Water flea	> 1000mg/l. Exposure time: 48 h
Acute toxicity to aquatic invertebrates: EC₅₀ Oyster	>111mg/l. Exposure time 96h
Acute toxicity to aquatic invertebrates: LC₅₀ Mysid shrimp	>103mg/l. Exposure time 96h

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Place in trash or offer for recycling. Incinerate contaminated solids in accordance with local, state, and federal regulations.

Waste Disposal Methods: Dispose of in accordance with any applicable Local, State, or Federal regulation regarding pesticide waste. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact you State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Triple rinse (or equivalent). Containers that cannot be cleaned must be treated as waste then offered for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by State and Local authorities, by burning. If burned stay out of smoke.

14. TRANSPORTATION INFORMATION

D.O.T. Shipping Description: NOT REGULATED BY DOT BY HIGHWAY.
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:
NFPA

1 Health
1 Flammability
0 Reactivity

HMIS

1 Health
1 Flammability
0 Reactivity
C PPE

**SARA Hazard Notification/Reporting
SARA Title III Hazard Category:**

Immediate: Y Fire: N
Delayed: N Reactive: N
Sudden Release of Pressure: N

**Reportable Quantity (RQ) under U.S.
CERCLA:**

2463 gallons of product
5000 pounds of ingredient (Maleic Hydrazide)
Contains no chemical subject to SARA 313

SARA, Title III, Section 313:
SARA, Title III, Section 302:

EHS
TPQ

None
10,000 lbs
Not listed
Not listed

RCRA Waste Code:
CA Proposition 65:

16. OTHER INFORMATION

SDS STATUS:

Updated

REASON FOR CHANGE:

To meet new regulatory requirements

PREPARED BY:

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Hydrazide
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