



Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 01/16/2005

Reviewed on 01/16/2005

1 Identification of substance

- **Product details**
- **Trade name:** CORID 1.25% Crumbles
Type C Medicated Feed
(amprolium)
- **Item number:** 970410
- **Manufacturer/Supplier:**
Merial Limited
3239 Satellite Blvd.
Duluth, Ga. 30096-4640
1-888-MERIAL 1 (1-888-637-4251)
- **Emergency information:**
Spill Information:
CHEMTREC® 1-800-424-9300
CHEMTREC® International 1+703-527-3887
International calls 011+703-527-3887
Reverse charges.

2 Composition/Data on components

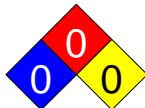
- **Chemical characterization**
- **Description:** Mixture: consisting of the following components.

· **Components:**

	Non hazardous inert ingredients	74.0 %
121-25-5	Amprolium Hydrochloride	5.0%
77-92-9	citric acid	1.0%

3 Hazards identification

- **Hazard description:** Not applicable.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and from company and regulatory data.
- **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 0
Reactivity = 0

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· **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

4 First aid measures

- **After inhalation:**
Remove to fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation occurs, consult a doctor.
- **After eye contact:**
Rinse opened eye for a minimum of 15 minutes under running water. Get medical attention immediately.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Immediately call a doctor.
- **After self injection**
- **Information for doctor.**
The following symptoms may occur
Eye irritation, skin irritation, potential allergic reaction, irritation of respiratory tract and asthma-like allergic reaction.

5 Fire fighting measures

- **Suitable extinguishing agents:** Use water spray or all purpose dry chemical.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
Fine dust particles in air may concentrate in explosive mixture. Toxic gases (organic chlorides, HCl, oxides of nitrogen, CO, CO₂) may result from exposure to fire.
- **Protective equipment:**
Fire fighters should wear self-contained breathing apparatus and full protective equipment.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collecting:**
Vacuum, shovel, sweep-up all spilled materials and place in sealed container for proper disposal IAW Section XIII.
- **Additional information:** No dangerous substances are released.

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7 Handling and storage

- **Handling:**
- **Information for safe handling:**
*Store in cool, dry place in tightly closed containers.
 Handle with care. Avoid jolting and impact.*
- **Information about protection against explosions and fires:** *No special measures required.*
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *Store only in the original container.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:** *Store in a cool, dry, well ventilated place.*
- **Recommended storage temperature:** *< 30°C (86°F)*

8 Exposure controls and personal protection

- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
*Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
 Do not eat, drink, smoke or inhale.
 Do not store food in the working area.*
- **Breathing equipment:** *If in particulate form, MSHA-NIOSH approved respirator for dust.*
- **Protection of hands:** *Impervious gloves to minimize skin contact.*
- **Eye protection:** *Safety goggles.*
- **Body protection:** *Protective coveralls, long sleeves if allergic tendencies are known.*

9 Physical and chemical properties

· General Information

Form:	<i>Solid crumbles</i>
Color:	<i>Dark olive green</i>
Odor:	<i>Characteristic alfalfa odor.</i>

· Change in condition

Melting point/Melting range: *Undetermined.*
Boiling point/Boiling range: *Undetermined.*

· **Flash point:** *Not applicable.*

· **Auto igniting:** *Product is not self-igniting.*

· **Danger of explosion:** *Product does not present an explosion hazard.*

· **Specific gravity:** *Not determined.*

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· Solubility in / Miscibility with Water:	Not established
· pH-value:	3.0-4.5
· Solvent content:	0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Materials to be avoided:** Strong acids and bases
- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

121-25-5 Amprolium Hydrochloride

Oral	LD50	6.170 mg/kg (mouse)
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77-92-9 citric acid

Oral	LD50	6730 mg/kg (rat)
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· **Primary irritant effect:**

- **on the skin:** No irritating effect known.
- **on the eye:** No irritating effect known.
- **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

· **Ecotoxicological effects:**

· **Acquatic toxicity:**

121-25-5 Amprolium Hydrochloride

LC50/96 hours	110.8 ug/l (Daphnia magna)
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· **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

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Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation:**
Can be disposed of with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*
- **Recommended cleansing agent:** *Water, if necessary with cleansing agents.*

14 Transport information

- **DOT regulations:**
- **Hazard class:** *Non regulated*
- **Land transport ADR/RID (cross-border):**
- **ADR/RID class:** *Non regulated*
- **Maritime transport IMDG:**
- **IMDG Class:** *Non regulated*
- **Marine pollutant:** *No*
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** *Non regulated*

15 Regulations

- **Sara**
- **Section 355 (extremely hazardous substances):**
None of the ingredients are listed.
- **Section 313 (Specific toxic chemical listings):**
None of the ingredients are listed.
- **TSCA (Toxic Substances Control Act):**

77-92-9	citric acid
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- **CA Proposition 65**
- **Chemicals known to cause cancer:**
None of the ingredients are listed.
- **Chemicals known to cause reproductive toxicity:**
None of the ingredients are listed.

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· **Carcinogenesis potential categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

· **Safety phrases:**

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point

· **Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.**

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Contact: MSDS Coordinator, msds@merial.com**