



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

Printing date 01/12/2005

Reviewed on 01/12/2005


1 Identification of substance

- **Product details**
- **Trade name:** Amprolium
CORID 20% SOLUBLE POWDER
- **Item number:** 23091
- **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 substance		0.7%
57-50-1	sucrose, pure		76.4%
121-25-5	Amprolium Hydrochloride		20.4%
110-17-8	fumaric acid	 Xi; R 36	2.5%

3 Hazards identification

- **Hazard description:**



C Corrosive

- **Information pertaining to particular dangers for man and environment:**
R 34 Causes burns.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and from company and regulatory data.

Material Safety Data Sheet

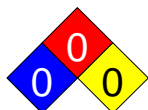
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 01/12/2005

Reviewed on 01/12/2005

Trade name: Amprolium
CORID 20% SOLUBLE POWDER

· **NFPA ratings (scale 0 - 4)**



Health = 0
 Fire = 0
 Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 0
 Fire = 0
 Reactivity = 0

4 First aid measures

· **General information:**

Immediately remove any clothing soiled by the product.
 Do not leave affected persons unattended if individual is exposed to large quantities of product.
 Involve doctor immediately.

· **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.
 Seek immediate medical advice.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.
 Immediately rinse with water.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:**

Immediately call a doctor.
 Drink copious amounts of water and provide fresh air. 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:**

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

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

Printing date 01/12/2005

Reviewed on 01/12/2005

Trade name: Amprolium
CORID 20% SOLUBLE POWDER

- **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.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Avoid dust generation.
Keep containers tightly sealed.
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.
Protect from light.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in the dark.
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:**

57-50-1 sucrose, pure

ACGIH TLV	10 mg/m ³ A4
NIOSH REL	10*; 5** mg/m ³ *Total dust **Respirable fraction
OSHA PEL	15*; 5** mg/m ³ *Total dust **Respirable fraction

- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages.
Immediately remove all soiled and contaminated clothing.
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.

Material Safety Data Sheet

ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 01/12/2005

Reviewed on 01/12/2005

Trade name: Amprolium
CORID 20% SOLUBLE POWDER

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective coveralls, long sleeves if allergic tendencies are known.

9 Physical and chemical properties

· **General Information**

Form: Powder
Color: white or near white
Odor: Slight or no odor

· **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.

· **Solubility in / Miscibility with**

Water: Soluble.

· **pH-value:** 1.7-3.2

· **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:**

Toxic gases (organic chlorides, HCl, oxides of nitrogen, CO, CO₂) may result from exposure to fire.

11 Toxicological information

· **Acute toxicity:**

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

121-25-5 Amprolium Hydrochloride

Oral	LD50	6.170 g/kg (mouse)
------	------	--------------------

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

Printing date 01/12/2005

Reviewed on 01/12/2005

Trade name: Amprolium
CORID 20% SOLUBLE POWDER

110-17-8 fumaric acid

Oral	LD50	10.7 g/kg (rat)
Dermal	LD50	20.0 g/kg (rabbit)

· **Primary irritant effect:**

- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 Ecological information

· **Ecotoxicological effects:**

· **Acquatic toxicity:**

121-25-5 Amprolium Hydrochloride

LC50/96 hours | 110.8 ppm (Daphnia magna)

· **General notes:**

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

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

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

13 Disposal considerations

· **Product:**

· **Recommendation:** Dispose of in EPA approved chemical landfill.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

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

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

Printing date 01/12/2005

Reviewed on 01/12/2005

Trade name: Amprolium
CORID 20% SOLUBLE POWDER

- **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):**

57-50-1 sucrose, pure

110-17-8 fumaric acid

- **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.

- **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

- **Hazard symbols:**

C Corrosive

- **Risk phrases:**

34 Causes burns.

- **Safety phrases:**

1/2 Keep locked up and out of the reach of children.

20 When using do not eat or drink.

25 Avoid contact with eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

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

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

45 In case of accident or if you feel unwell, seek medical advice immediately.

60 This material and its container must be disposed of as hazardous waste.

64 If swallowed, rinse mouth with water (only if the person is conscious)

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

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

Printing date 01/12/2005

Reviewed on 01/12/2005

Trade name: Amprolium
CORID 20% SOLUBLE POWDER

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

USA