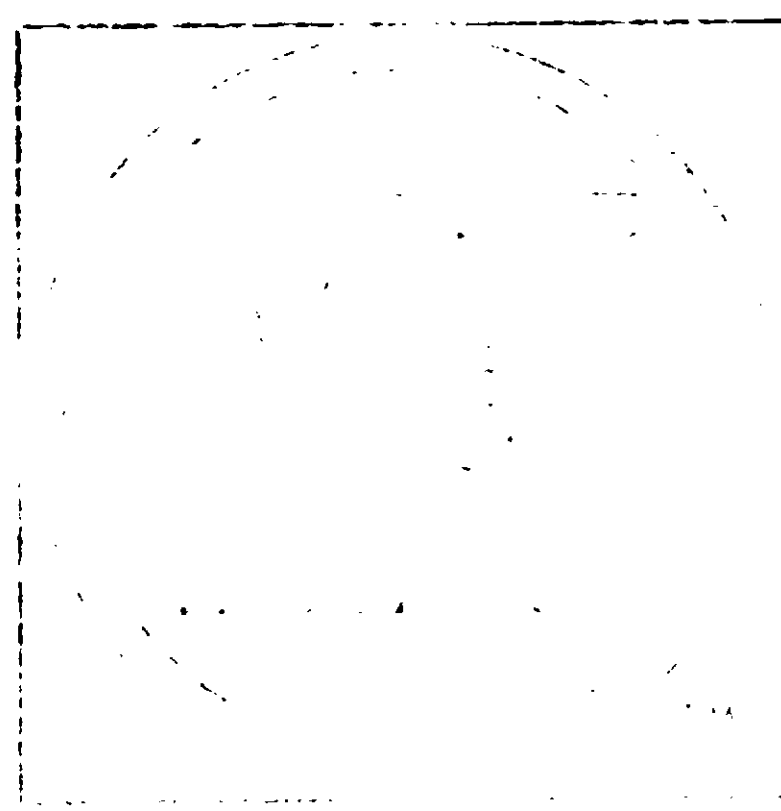


U.S. DEPARTMENT OF COMMERCE
BUREAU OF ECONOMIC ANALYSIS
INTERNATIONAL TRADE ADMINISTRATION
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INTERNATIONAL TRADE ADMINISTRATION

bioMeT* 12 RODENT REPELLENT

FOR USE IN MANUFACTURING OTHER
ECONOMIC POISONS

FOR USE IN COATING CABLE
FOR RODENT REPELLENCY

GENERAL DESCRIPTION

bioMeT* 12 Rodent Repellent is a durable coating formulation which is designed to coat seismographic, radio, field telephone, electric and other cables to provide protection against most rodents. The active ingredient most responsible for the rodent repellent characteristics of bioMeT* 12 is bioMeT* tri-n-butyltin chloride. This proven rodent repellent has been extensively tested over a period of many years at the U.S. Department of Interior, Wildlife Research Center in Denver, Colorado. bioMeT* 12 is not recommended for application on food or feed packaging materials.

The rodent repellent, bioMeT* 12, is a coating formulation. When applied to high density polyethylene, it provides excellent adhesion and is sufficiently flexible to withstand normal handling and use. When applied at a concentration of 120 mg./sq. inch of bioMeT* 12, rodent repellency against most species is achieved throughout the useful life of the cable. It prevents the destruction and functional damage of cable commonly experienced in field use.

The effectiveness of cable coated with bioMeT* 12 Rodent Repellent has been successfully tested under field conditions where the following rodent species are known to cause severe cable damage. The test sites include:
Alaska - Barrow, Fort Ikroavik, Pitmegea, Fort Devins, Kaschuchette, and

GENERAL DESCRIPTION (Continued)

Wood Rat (Neotoma)
Cotton Rat (Sigmodon)
Norway Rat (Rattus norvegicus)
Meadow Mouse (Microtus)
House Mouse (Mus musculus)
Coatimundis
Peromyscus

DIRECTIONS FOR USE

It is recommended that bioMet* 12 Rodent Repellent be applied with airless spray equipment for reliability, solvent balance control, elimination of webbing and to permit excess material recovery. The airless spray equipment employed in conjunction with a drying cycle, effectively provides the desired coating. A number of passes provide the required film thickness of 120 mg./sq. inch of bioMet* 12.

bioMet* 12 can also be applied to cable by dipping using other equipment. KRT Chemicals is prepared to assist in providing technical information regarding the most favorable procedures for coating cable.

TOXICOLOGY- INDUSTRIAL HYGIENE

bioMet* 12 is extremely hazardous to the eyes. Upon contact it may cause damage if not treated promptly. Therefore, eye contact should be avoided. This material is moderately toxic orally and dermally. bioMet* 12 is a marked skin irritant; therefore, skin contact should be avoided. When bioMet* 12 is heated, irritating and toxic vapors may be generated. Therefore, local

TOXICOLOGY-INDUSTRIAL HYGIENE (Continued)

should be taken to avoid breathing the vapors when using this material.

When handling bioMet* 12, it is advisable to wear rubber gloves and apron, and chemical safety goggles. When pouring or handling large volumes of bioMet* 12, it is advisable to wear a full-face shield. An appropriate respirator should be worn whenever the opportunity exists for vapor generation.

SUGGESTED FIRST AID

Persons exposed to vapors and/or mist should be removed to a non-contaminated area. A physician should be contacted immediately.

In the event of accidental swallowing, immediately consult a physician. If his arrival will be delayed, the following should be done:

- (1) Lavage carefully if a significant quantity has been ingested. Guard against aspiration.
- (2) Administer 2-4 oz. olive oil and 1-2 oz. activated carbon or Universal Antidote.
- (3) Render supportive treatment.
- (4) Watch for delayed liver and kidney injury.

In case of eye contact, the eyes should be treated immediately by flushing with copious amounts of water for 15 minutes. This is done most effectively by directing a stream of flowing water into the eyes. Consult a physician.