

# **DECONTAMINATION INFORMATION**

# Bathing

Patient should be bathed in a mild liquid dishwashing detergent. Baths may need to be repeated. Afterwards, the animal should be rinsed well with warm water and towel dried to prevent chilling.

# Dilution

Dilution with milk or water is recommended in cases of corrosive ingestion. A suggesteddose is 1-3 ml/lb.

### Emesis

Emesis is most productive if performed within 2-3 hours post-ingestion. Feeding the animal a small moist meal before inducing vomiting can increase chances of an adequate emesis. Emetics generally empty 40-60% of the stomach contents and are assumed to be more beneficial than gastric lavage.

Dogs, cats, ferrets, and potbelly pigs are examples of house pets that can vomit. Emetics should not be used in rodents, rabbits, birds, horses, and ruminants.

Induction of emesis is contraindicated with ingestion of alkalis, acids, corrosive agents, or hydrocarbons. Pre-existing condition of the animal also determines the indication for using an emetic. Emesis should not be attempted if the animal has already vomited or is exhibiting clinical signs.

3% hydrogenperoxide is a useful emetic for dogs and pot bellied pigs. It generally is unhelpful in cats, and the use may lead to marked gastritis. The dosage is 1 teaspoon/5 lbs body weight, not to exceed 3 tablespoons. Vomiting usually occurs within minutes and the dose can be repeated once if not initially successful.

Apomorphine can be used in dogs to induce vomiting. The eye should be rinsed well after conjunctival usage.

Alpha-2 agonists (dexmedetomidine at 0.01 mg/kg or xylazine at 0.4 mg/kg) can be used to induce vomiting in cats.

# Activated Charcoal (ToxiBan®)

Activated charcoal adsorbs a toxicant and facilitates its excretion via the feces. The recommended dose of activated charcoal for all species of animals is 1-3 gms/kg body weight. Repeated doses of activated charcoal every 6-8 hours at half the original dose may be indicated when enterohepatic recirculation is known to occur. Watch for hypernatremia. Ensuring free access to water may help to limit risk of this condition.

Activated charcoal is given orally with a large syringe or via a stomach tube. In symptomatic or uncooperative animals, anesthesia may be needed. A cuffed endotracheal tube should be used in the sedated or clinically depressed animal to prevent aspiration. Activated charcoal should not be given to animals that have ingested caustic materials. Other chemicals not effectively adsorbed by activated charcoal include ethanol, methanol, fluoride, petroleum distillates, most heavy metals, iodides, nitrates, nitrites, sodium chloride, chlorate, and xvlitol.

#### Cathartics

Enhance elimination of the activated charcoal. Without cathartics, the toxicant bound by charcoal can eventually be released and reabsorbed. Cathartics are not to be used if the animal has diarrheaor is dehydrated. There are saline, os motic and bulk cathartics.

### Enemas

Enemas are helpful when elimination of toxicants from the lower gastrointestinal tract is desired.

# Gastric Lavage

Gastric lavage should not be performed in cases of caustic or petroleum distillate ingestion. General anesthesia must be used when performing gastric lavage. Lavage should be used for potentially lethal exposures in situations where emesis cannot be induced such as in a comatose patient.

# ACTICED IN TOVICOLOGY



or carbamate toxicity.

Control of seizures

Ethylene alvcol

(antifreeze) toxicity

Ethylene glycol

sink.

(antifreeze) toxicity

Benzodiazepine antagonist

Remove lipid soluble agents

from body, likely acting as

May be less effective in

ABCB1 deficient animals.

Muscle tremors associated

ANIMAL POISON CONTROL CENTER

unlikely to be seen with true

May be given rectally if patient

Always give slowly IV to effect.

is vomiting. Limit 2-3 doses.

OP/carbamate toxicity.

Do not give in cases of

ephedra, amphetamine, or pseudoephedrine toxicity

CRI preferred to avoid high

Do not give along with 4-MP

Dose can be repeated if

EG test results).

severe depression returns.

May continue treatment at 5 mg/

kg IV every 12 hours if EG is still

present in the dog's system (per

Effective within 3 hr of exposure

Check for hyperlipemia before

repeating the dose. Do not

in cats. Do not give along with

blood ethanol levels.

24 HOUR EMERGENCY

DRUGS USED IN TOXICOLOGY	CONTROL CENTER	000-420-44
		www.aspcapro.org/poison
DOSE	USE	COMMENTS

Acepromazine	Dogs and Cats: Administer in increments of 0.025-0.05 mg/kg, assess response before repeating.	Treatment of CNS excitation due to serotoninergic medications, pseudoephedrine, and amphetamines.	Can alternatively use chlorpromzine 3.3 mg/kg PO, 1.1-6.6 mg/kg IM, 0.55-4.4 mg/kg IV SID-QID (tritrate dose to effect).
Atipamezole	Dogs and Cats: 50 mcg/ kg IV or IM	Used as an alpha-2 antagonist to reverse toxic effects of amitraz, clonidine, and other alpha-2 agonists.	Can use yohimbine 0.1-0.2 mg/kg IV; if atipamezole is not available.
Atropine	Dogs and Cats: 0.1-0.2 mg/kg; give 1/4 of the initial dose IV and the rest IM	To control muscarinic signs associated with organophosphate (OP)	Consider giving a test dose of 0.01-0.02 mg/kg first. A response to this dose is

or SQ

Diazepam

(Valium®)

**Ethanol** 

Flumazenil

(Romazicon®)

chloride

(2-PAM, Protopam®)

Propanolol

Dogs: 1.1 mg/kg PO q 8 hr if needed Serotonin syndrome

Cats: 2-4 mg PO q 8-12 hr if needed

Cyproheptadine

Dogs: 0.2-2.2 mg/kg IV Cats: 0.05-1 mg/kg IV Dogs and Cats:

mg/kg slow IV (or 8.6 ml/kg),

Using 7% ethanol load at 600 then maintain at 100 mg/kg/hr (or 1.43 ml/kg/hr) CRI IV Dogs and Cats:

0.01 ma/ka IV Dogs: Load at 20 mg/kg, slow

**Fomepizole** IV infusion over 5-10 minutes. (4-MP) 15 mg/kg slow IV at 12 hours and again at 24 hours. 5 mg/kg IV at 36 hours. Cats: 125 mg/kg IV then 31.25 mg/kg q 12, 24, 36 hours.

Recommend 20% solution. (no Lipids brand preference) Initial bolus at 1.5 ml/kg then 0.25 ml/kg/min for 30-60 minutes. 20% emulsion Methocarbamol

slow IV to effect; use caution (Robaxin®) Dogs and Cats: **Naloxone** 

(Narcan®) Dogs and Cats: **Pralidoxime** 

when exceeding 330 mg/kg/day 0.002-0.04 mg/kg IV, IM or SQ 20 mg/kg IM. Discontinue if

Dogs: 0.02 -0.06 mg/kg slow IV,

0.2-1.0 mg/kg PO TID

or 2.5-5.0 mg total PO

BID-TID

Cats: 0.04 mg/kg slow IV,

Dogs and Cats: 55-220 mg/kg

no effect after 3 doses.

OP toxicity.

ingestions, permethrin toxicity in cats. Opioid antagonist

with tremorgenic mycotoxin and metaldehyde To control nicotinic

Treatment of tachycardias,

tachyarrhythmias, and

hypertension.

signs associated with

seizures. carbamate toxicity.

Monitor for CNS and respiratory

depression with doses > 330 Can be repeated as needed, but high doses have caused Not recommended for

Useful in toxicoses involving

pseudoephredrine, cocaine,

amphetamine, cardiac

glycosides, and thyroid

hormones.

caffeine, theobromine, ephedra,

repeat intralipid dose until serum has become clearer. Do not give more than 3 doses if no significant response is seen after giving 3 doses. Tablets can be crushed into saline and given rectally.