

SALVO™

FLEA & TICK COLLAR FOR DOGS

SAFETY DATA SHEET

1. IDENTIFICATION

PRODUCT NAME: SALVO FLEA & TICK COLLAR FOR DOGS
PRODUCT TYPE: Solid
IDENTIFIED USES: Flea and Tick Control
SUPPLIER'S DETAILS: Promika, LLC
501 Cascade Pointe Lane, Suite 102
Cary, NC 27513

EMERGENCY TELEPHONE NUMBER (WITH HOURS OF OPERATION): Medical Emergency: 1-844-685-9173
CHEMTREC, U.S.: 1-800-424-9300

2. HAZARDS IDENTIFICATION

OSHA/HCS STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE: NOT CLASSIFIED

GHS LABEL ELEMENTS

SIGNAL WORD: No signal word

HAZARD STATEMENTS: No known significant effects or critical hazards

PRECAUTIONARY STATEMENTS

GENERAL: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

PREVENTION: Not applicable

RESPONSE: Not applicable

STORAGE: Not applicable

DISPOSAL: Not applicable

HAZARDS NOT

OTHERWISE CLASSIFIED: None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE: Mixture
OTHER MEANS OF IDENTIFICATION: EPA Registration #: 91300-4
CAS NUMBER/OTHER IDENTIFIERS

CAS NUMBER: Not applicable

PRODUCT CODE: Not available

Ingredient Name	%	Cas Number	Pure Substance Classification
Deltamethrin	1 - 5	52918-63-5	ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

INHALATION: Not applicable under normal conditions of use.

SKIN CONTACT: Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

INGESTION: Not applicable under normal conditions of use

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT: No known significant effects or critical hazards

INHALATION: No known significant effects or critical hazards

SKIN CONTACT: No known significant effects or critical hazards

INGESTION: No known significant effects or critical hazards

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

EYE CONTACT: No known significant effects or critical hazards

INHALATION: No known significant effects or critical hazards

SKIN CONTACT: No known significant effects or critical hazards

INGESTION: No known significant effects or critical hazards

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE

SHORT TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS: No known significant effects or critical hazards

POTENTIAL DELAYED EFFECTS: No known significant effects or critical hazards

LONG TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS: No known significant effects or critical hazards

POTENTIAL DELAYED EFFECTS: No known significant effects or critical hazards

POTENTIAL CHRONIC HEALTH EFFECTS

GENERAL: No known significant effects or critical hazards

CARCINOGENICITY: No known significant effects or critical hazards

MUTAGENICITY: No known significant effects or critical hazards

TERATOGENICITY: No known significant effects or critical hazards

DEVELOPMENTAL EFFECTS: No known significant effects or critical hazards

FERTILITY EFFECTS: No known significant effects or critical hazards

OVER-EXPOSURE SIGNS/SYMPTOMS

EYE CONTACT: No known significant effects or critical hazards

INHALATION: No known significant effects or critical hazards

SKIN CONTACT: No known significant effects or critical hazards

INGESTION: No known significant effects or critical hazards

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

NOTES TO PHYSICIAN: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SPECIFIC TREATMENTS: No specific treatment

PROTECTION OF FIRST-AIDERS: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA: Use an extinguishing agent suitable for the surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: None known

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Decomposition products may include the following materials:

- carbon dioxide
- carbon monoxide
- nitrogen oxides
- phosphorus oxides
- halogenated compounds

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS: No special measures are required.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

FOR NON-EMERGENCY PERSONNEL: Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

FOR EMERGENCY RESPONDERS: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

ENVIRONMENTAL PRECAUTIONS: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

SMALL SPILL: Move containers from spill area. Dispose of via a licensed waste disposal contractor.

LARGE SPILL: Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.

ADVICE ON GENERAL OCCUPATION HYGIENE: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY

INCOMPATIBILITIES: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS

Ingredient name	Exposure limits
Deltamethrin	ACGIH TLV (United States) TWA: 05 µg/m ³ 8 hours

All non-listed ingredients from Section 3 do not have an OEL value.

APPROPRIATE ENGINEERING CONTROLS: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

ENVIRONMENTAL EXPOSURE CONTROLS: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

INDIVIDUAL PROTECTION MEASURES

HYGIENE MEASURES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Follow good industrial hygiene practice.

EYE/FACE PROTECTION: Safety glasses with side shields

SKIN PROTECTION

HAND PROTECTION: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

BODY PROTECTION: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

OTHER SKIN PROTECTION: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

RESPIRATORY PROTECTION: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

PHYSICAL STATE:	Solid [Collar]
COLOR:	Varies
ODOR:	Vanilla
ODOR THRESHOLD:	Not available
PH:	Not applicable
MELTING POINT:	Not available
BOILING POINT:	Not available
FLASH POINT:	Not applicable
EVAPORATION RATE:	Not available
FLAMMABILITY (SOLID,GAS):	Not applicable
LOWER AND UPPER EXPLOSIVE (FLAMMABLE)	
LIMITS:	Not applicable
VAPOR PRESSURE:	Not available

VAPOR DENSITY:	Not available
RELATIVE DENSITY:	1.25 g/ml
SOLUBILITY:	Insoluble in the following materials: cold water and hot water
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not available
AUTO-IGNITION TEMPERATURE:	Not available
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not available
VOC CONTENT:	0% (w/w)

10. STABILITY AND REACTIVITY

REACTIVITY: No specific test data related to reactivity available for this product or its ingredients.

CHEMICAL STABILITY: The product is stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.

CONDITIONS TO AVOID: No specific data

INCOMPATIBLE MATERIALS: Reactive or incompatible with the following materials: oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

NUMERICAL MEASURES OF TOXICITY

ACUTE TOXICITY ESTIMATES

Route	ATE value
Oral	3023.6 mg/kg
Inhalation (dusts and mists)	12.31 mg/L

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY

Product/ingredient name	Result	Species	Dose	Exposure
Deltamethrin	LD50 Dermal	Rabbit	>2 g/kg	-
	LD50 Oral	Rat	150 mg/kg	-

IRRITATION/CORROSION

There is no data available.

SENSITIZATION

There is no data available.

CARCINOGENICITY

CLASSIFICATION

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Deltamethrin	-	3	-	-	-	-

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

There is no data available.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)

There is no data available.

ASPIRATION HAZARD

There is no data available.

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:

Dermal contact. Ingestion.

POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT: No known significant effects or critical hazards

INHALATION: No known significant effects or critical hazards

SKIN CONTACT: No known significant effects or critical hazards

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DEVELOPMENTAL EFFECTS: No known significant effects or critical hazards

FERTILITY EFFECTS: No known significant effects or critical hazards

PERSISTENCE AND DEGRADABILITY

There is no data available.

BIOACCUMULATIVE POTENTIAL

Product/ingredient name	LogP _{ow}	BCF	Potential
Deltamethrin	6.2	323.59	low

MOBILITY IN SOIL

WATER PARTITION COEFFICIENT (K_{oc}): Not available

OTHER ADVERSE EFFECTS: No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

	DOT Classification	IMDG	IATA
UN number	Not regulated	Not regulated	Not regulated
UN proper shipping name	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	No	No	No
Additional information	Not applicable	Not applicable	Not applicable

AERG: Not applicable

SPECIAL PRECAUTIONS FOR USER: Transport within user's Premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

12. ECOLOGICAL INFORMATION

TOXICITY

Product/ingredient name	Result	Species	Exposure
Deltamethrin	Acute EC50 2.56 mg/L Fresh water	Algae - Scenedesmus subspicatus	72 hours
	Acute IC50 0.016 µg/L Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 4 ng/L Fresh water	Crustaceans - Gammarus fossarum - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 0.102 µg/L Fresh water	Fish - Cyprinus carpio ssp. communis - Fry	96 hours
	Chronic NOEC 0.0041 ppb Marine water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 0.0039 µg/L Fresh water	Fish - Tinca tinca - Adult	60 days

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Water Act (CWA) 307: Zinc distearate

CLEAN AIR ACT SECTION 112 (B) HAZARDOUS AIR POLLUTANTS (HAPS): Not listed

CLEAN AIR ACT SECTION 602 CLASS I SUBSTANCES: Not listed

CLEAN AIR ACT SECTION 602 CLASS II SUBSTANCES: Not listed

DEA LIST I CHEMICALS (PRECURSOR CHEMICALS): Not listed

DEA LIST II CHEMICALS (ESSENTIAL CHEMICALS)

STATE REGULATIONS

MASSACHUSETTS: The following components are listed: Triphenyl phosphate

NEW YORK: The following components are listed: Deltamethrin

NEW JERSEY: The following components are listed: Triphenyl phosphate; Ethene, chloro-homopolymer; Titanium dioxide

PENNSYLVANIA: The following components are listed: Triphenyl phosphate; Titanium dioxide

CALIFORNIA PROP. 65

No products were found.

NOTICE TO READER

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

16. OTHER INFORMATION

HISTORY

DATE OF ISSUE

MM/DD/YYYY: 5/15/2016

VERSION: 1

KEY TO

ABBREVIATIONS:

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations