

MATERIAL SAFETY DATA SHEET

Revised: 11-21-02

SECTION I - IDENTIFICATION OF PRODUCT

MANUFACTURER'S NAME: Control Solutions, Inc.
5903 Genoa-Red Bluff
PASADENA, TX 77507-1041

PRODUCT NAME: Martin's Vegetables *PLUS*

EPA REGISTRATION NO. 53883-69
EPA ESTABLISHMENT NO. 53883-TX-002

EMERGENCY PHONE: (800) 424-9300 - CHEMTREC

CHEMICAL NAME: See Section VI

C.A.S. NAME: See Section VI

C.A.S. NUMBER: See Section VI

CHEMICAL FORMULA: See Section VI

MOLECULAR WEIGHT: N/A

CHEMICAL FAMILY: Pyrethroid

D.O.T. HAZARD CLASS: N/A

D.O.T. SHIPPING NAME: Insecticide, Liquid
Other Than Agriculture N.O.I.B.N.

SECTION II - PHYSICAL DATA

ODOR:	Slight	MELTING POINT:	N/E
APPEARANCE:	Viscous liquid	PARTICLE SIZE:	N/A
LBS/GAL:	8.46	CLOUD PT:	N/A
COLOR (G-H):	Clear, light yellow to orange	PERCENT VOLATILE:	N/E
BOILING POINT:	N/E	EVAPORATION RATE:	N/E
VAPOR PRESSURE:	N/E	FLASH POINT:	N/E
VAPOR DENSITY:	N/E	SPECIFIC GRAVITY:	1.0158
BULK DENSITY (FLUFFED):	N/A	BULK DENSITY (SETTLED):	N/A
REFRACTIVE INDEX:	N/E		
SOLUBILITY (OIL):	N/A	SOLUBILITY (WATER):	Emulsifiable

MATERIAL SAFETY DATA SHEET

SECTION III - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED):	N/E
FLAMMABLE LIMIT (LOWER):	N/E
FLAMMABLE LIMIT (UPPER):	N/E
FIRE EXTINGUISHING MEDIA:	Foam, carbon dioxide, dry chemical & water fog.
SPECIAL PROCEDURES:	Use self contained breathing apparatus. Cool fire exposed areas and equipment.
UNUSUAL FIRE/EXPLOSION HAZARDS:	None

SECTION IV - HEALTH HAZARD DATA

TOXICITY CATEGORY:	"CAUTION" Label Required
ORAL LD50:	500-2,000 mg/kg
DERMAL LD50:	> 5,000 mg/kg
INHALATION LD50:	> 2.08 mg/L
EYE EFFECTS:	Avoid Contact. Mildly irritating.
SKIN EFFECTS:	Avoid Contact. Moderately irritating.
THRESHOLD LIMIT VALUE:	N/E
ADDITIONAL COMMENTS:	Harmful if swallowed or absorbed through the skin.

SECTION V - SPECIAL PROTECTION

EYE PROTECTION:	Safety glasses or goggles. Full-faced gas mask with canister is recommended for general protection when applying indoors as a space-spray or fogger.
SKIN PROTECTION:	Rubber or impervious gloves.
RESPIRATORY PROTECTION:	None likely to be needed.
OTHER PRECAUTIONS:	Wash thoroughly after handling. Remove and wash clothing before reuse. Contamination of food and feed.

MATERIAL SAFETY DATA SHEET

SECTION VI - HAZARDOUS COMPONENTS OF MIXTURES

<u>MATERIAL</u>	<u>PERCENT</u>
*Permethrin (CAS # 52645-53-1)	10.00%
* (3-phenoxyphenyl) methyl (\pm) cis/trans-3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate Cis/trans ratio: min. 35% (\pm) cis and max. 65% (\pm) trans	
Inert Ingredients	90.00%

SECTION VII - EMERGENCY & FIRST AID PROCEDURES

IF SWALLOWED: Contact a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of the throat with finger. Do not induce vomiting or given anything by mouth to an unconscious person.

IF INHALED: Remove person to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected areas of skin with soap and water. Contact a physician if irritation persists.

IF IN EYES: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

NOTE TO PHYSICIAN & VETERINARIANS: Do not administer or instill milk, cream or other substances containing vegetable or animal fats, which will enhance absorption of lipophilic substances.

SECTION VIII - EFFECTS OF OVER-EXPOSURE

N/E

SECTION IX - SPILLAGE OR LEAKAGE PROCEDURES

In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of according to local, state authorities.

SECTION X - WASTE DISPOSAL METHODS

Prohibitions: Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage and Spill Procedures: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

Pesticide Disposal: Pesticide spray mixture, or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

Containers One Gallon and Smaller: Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

MATERIAL SAFETY DATA SHEET

SECTION XI - ADDITIONAL PRECAUTIONS:

Storage: **Store upright at room temperature. Avoid exposure to extreme temperatures.**

This product is extremely toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water when disposing of equipment washwater/dip solution.

The product is highly toxic to bees exposed to direct treatment on blooming crops or weeds while bees are actively visiting the treatment area.

SECTION XII - COMMENTS

The information contained herein is believed to be accurate whether originating with Control Solutions, Inc. or not. Control Solutions, Inc. provides no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data. Recipients are advised to confirm any data, in advance of need, that it is current, applicable and suitable to their circumstances.