

JAVITORIAL

SPARTAN CHEMICAL CO., INC.
MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label)

CR-2 CRAWLING INSECT KILLER (AEROSOL)

MANUFACTURER'S NAME

Spartan Chemical Co., Inc.

EMERGENCY TELEPHONE NO.

419/531-5551

ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)

110 N. Westwood Ave., Toledo, OH 43607

NFPA RATINGS:	HMIS RATINGS:
HEALTH-1 FIRE-0 REACT-1	HEALTH-1 FIRE-0 REACT-1 PERS. PROT.-B

SECTION II: HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)	TABLE Z-1-A			CARCINOGEN
			TWA mg/M ³	STEL mg/M ³	CEILING mg/M ³	
8032-32-4	4	Odorless mineral spirits	1350	1800	—	No
*111-76-2	6	Butoxyethanol	120	—	—	No
75-28-5	2	Isobutane	—	—	—	No
74-98-6	3	Propane	1800	—	—	No

*This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (SARA) and of 40 CFR 372.

SECTION III: PHYSICAL DATA

BOILING POINT

N/A

SPECIFIC GRAVITY (H₂O = 1)

0.95

PERCENT SOLID BY WEIGHT

3

VAPOR PRESSURE

100mm Hg @ 130°F

EVAPORATION RATE (but. ace. = 1)

<1

VAPOR DENSITY (AIR = 1)

>1

SOLUBILITY IN WATER

Forms an emulsion

APPEARANCE AND ODOR

Clear liquid, solvent odor

IS MATERIAL: (LIQUID) SOLID

GAS

PASTE

POWDER

pH

7.2-8.0

SECTION IV: FIRE & EXPLOSION HAZARD DATA

FLAME EXTENSION - N/A

METHOD USED - ASTM - D3065

FLAMMABLE LIMITS - N/A

EXTINGUISHING MEDIA - Water fog

SPECIAL FIRE FIGHTING PROCEDURES - Keep container cool, use equipment or shielding to protect personnel from bursting, rupturing or venting containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS - At elevated temperatures (over 54°C/130°F) containers may vent, rupture or burst.

SECTION V: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - CONDITIONS TO AVOID

Butoxyethanol is absorbed through the skin which may affect the liver, kidneys, lymph and blood systems. Inhalation may affect central nervous system and cause respiratory irritation.

THRESHOLD LIMIT VALUE - Not established

PRIMARY ROUTES OF ENTRY INHALATION X SKIN CONTACT X OTHER (SPECIFY) _____

CONDITIONS AGGRAVATED BY USE - Unknown

EMERGENCY AND FIRST AID PROCEDURES - EYES: In case of contact, immediately flush eyes with water for at least 15 minutes. Remove contact lenses. SKIN: In case of skin contact, remove contaminated clothing and immediately wash skin with plenty of water. INGESTION: If swallowed, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. INHALATION: If inhaled, remove person to fresh air and call a physician. NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote.

SECTION VI: REACTIVITY DATA

STABILITY: STABLE X

INCOMPATIBILITY (MATERIALS TO AVOID) - None

HAZARDOUS DECOMPOSITION PRODUCTS - None known

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR X

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED - Avoid breathing vapors, remove ignition sources, pick up with scoop or absorbent material.

WASTE DISPOSAL METHOD - Do not incinerate or puncture aerosol container. Dispose of in accordance with state, local or Federal regulations.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) - None required

VENTILATION - Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

PROTECTIVE GLOVES (SPECIFY TYPE)

Rubber gloves

EYE PROTECTION (SPECIFY TYPE)

Goggles

OTHER PROTECTIVE EQUIPMENT - Not necessary

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING - Contents under pressure. Do not use near fire, sparks or flame. Do not store where temperatures could exceed 130°F.

OTHER PRECAUTIONS - None

Spartan Chemical Co., Inc.
CR-2 CRAWLING INSECT KILLER (AEROSOL)
Ref: 29 CFR 1910:1200 (OSHA)

NAME	Thomas J. Mitchell
TITLE	Director of Research
DATE	September 20, 1994
SUPERCEDES	February 10, 1994