NAME OF PRODUCT

MSDS DATE:10/02/06

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

Tick Off / Bug Off

SYNONYMS:

PRODUCT CODES: A190

MANUFACTURER: Chemax Corporation

**DIVISION:** 

ADDRESS: PO BOX 7453

Beaumont, TX 77726

EMERGENCY PHONE: 409/866-4232 CHEMTREC PHONE: 1-800-255-3924 OTHER CALLS: 409/866-4232 FAX PHONE: 409-866-4424

CHEMICAL NAME:

mixture

CHEMICAL FAMILY: CHEMICAL FORMULA:

PRODUCT USE:

Insect repellant for skin application

PREPARED BY:

**Bruce Riffel** 

**SECTION 1 NOTES:** 

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Name	CAS NO.	PEL	TLV	% WT	SARA 313 REPORTABLE
DIETHYL-M-TOLUAMIDE ISOPROPYL ALCOHOL PROPANE/N-BUTANE REPELLENT 326	134-62-3 67-63-0 68476-86-8 136-45-8	NE 400 PPM 1000 PPM N/E	NE 400 PPM 600 PPM N/E	N/A N/A N/E	

**SECTION 2 NOTES:** 

### **SECTION 3: HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW: Flammable aerosol, Contents under pressure do not expose to high temperatures or store in direct sunlight. Pressure can cause splashing of chemical.

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation

POTENTIAL HEALTH EFFECTS EYES: Irritation likely

SKIN: Mild irritation possible is sensitive to DEET.

**INGESTION:** Gastric discomfort

INHALATION: DIZZINESS. PROLONGED EXPOSURE MAY LEAD TO UNCONSCIOUSNESS

**ACUTE HEALTH HAZARDS:** 

CHRONIC HEALTH HAZARDS: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

CARCINOGENICITY

NAME OF PRODUCT

OSHA: No OTHER:

ACGIH:

No

NTP: No

IARC: No

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SECTION 3 NOTES:

### **SECTION 4: FIRST AID MEASURES**

EYES: Flush with water for 15 minutes. Contact physician if irritation persist

SKIN: Wash with soap and water for 15 minutes. If irritation develops seek medical attention.

INGESTION: Give person 2 glasses water if conciious and alert. Contact physician, do not induce vomiting unless directed by medical authority.

INHALATION: Move to fresh air. If not breathing administer artificial respiration.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

**SECTION 4 NOTES:** 

### **SECTION 5: FIRE-FIGHTING MEASURES**

FLAMMABLE LIMITS IN AIR, UPPER: 6.0

(% BY VOLUME)

LOWER: 1.0

FLASH POINT:

F: 130

C:

METHOD USED: TCC

**AUTOIGNITION TEMPERATURE: N/A** 

C:

NFPA HAZARD CLASSIFICATION

HEALTH: 1 OTHER:

FLAMMABILITY:

2

REACTIVITY: 1

HMIS HAZARD CLASSIFICATION

HEALTH: PROTECTION: A

FLAMMABILITY:

2

REACTIVITY: 1

**EXTINGUISHING MEDIA: ABC Dry chemical fire extinguisher** 

SPECIAL FIRE FIGHTING PROCEDURES: Wear SCBA in fire situations

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure exposure to high temperatures above 120F can cause bursting.

**HAZARDOUS DECOMPOSITION PRODUCTS: oxides of carbon** 

**SECTION 5 NOTES:** 

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

ACCIDENTAL RELEASE MEASURES: Use absorbent on spill sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

**SECTION 6 NOTES:** 

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### **SECTION 7: HANDLING AND STORAGE**

HANDLING AND STORAGE: DO NOT USE OR STORE

NEAR HEAT OR OPEN FLAME. EXPOSURE TO TEMPERATURES ABOVE 120 F MAY CAUSE

BURSTING.

OTHER PRECAUTIONS:

**SECTION 7 NOTES:** 

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** 

VENTILATION: Normal, forced ventilation should not be required

RESPIRATORY PROTECTION: If exposure levels are exceeded then organic vapor cartridge repirator or SCBA will be needed.

EYE PROTECTION: safety glasses

SKIN PROTECTION: NA

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: Wash hands after use.

**EXPOSURE GUIDELINES:** 

SECTION 8 NOTES:

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: Clear Liquid

ODOR: musk, insecticide

**PHYSICAL STATE: liquid** 

pH AS SUPPLIED: N/A

pH (Other):

**BOILING POINT:** 

F: 206

C: **MELTING POINT:** 

F: not tested

C:

FREEZING POINT:

F: not tested

VAPOR PRESSURE (mmHg):

F: 77

C:

VAPOR DENSITY (AIR = 1):

@

30

F: 77

SPECIFIC GRAVITY (H2O = 1):

.87

77

NAME OF PRODUCT

C:

EVAPORATION RATE: <1
BASIS (Butyl Acetate =1):

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)	_
SOLUBILITY IN WATER: 58%	
PERCENT SOLIDS BY WEIGHT: not tested	
PERCENT VOLATILE: 100 BY WT/ BY VOL @ F: ambiant	
C: VOLATILE ORGANIC COMPOUNDS (VOC): 565 g/I	
MOLECULAR WEIGHT: mixture n/a VISCOSITY:  @ F:	
C:	
SECTION 9 NOTES:	
SECTION 10: STABILITY AND REACTIVITY	-
<u>STABLE</u> <u>UNSTABLE</u>	
STABILITY:	
CONDITIONS TO AVOID (STABILITY): flames and ignition sources, temperatures above 120F	
INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers	
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: oxides of carbon	
HAZARDOUS POLYMERIZATION: none	
CONDITIONS TO AVOID (POLYMERIZATION):	
SECTION 10 NOTES:	
SECTION 11: TOXICOLOGICAL INFORMATION	_
TOXICOLOGICAL INFORMATION:	
SECTION 11 NOTES:	
SECTION 12: ECOLOGICAL INFORMATION	-
SECTION 12. ECOLOGICAL INFORMATION	
ECOLOGICAL INFORMATION:	
SECTION 12 NOTES:	
SECTION 13: DISPOSAL CONSIDERATIONS	_

WASTE DISPOSAL METHOD: Dispose of in accordance with local, State and Federal regulations. Wrap empty containers in newspapaer and dispose properly.

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RCRA HAZARD CLASS: Liquid could be classified as D001 under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

**SECTION 13 NOTES:** 

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION PROPER SHIPPING NAME: ORM-D

HAZARD CLASS:

ID NUMBER: PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: Call manufacturer

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

UNID# 1950 Class 2.1 No Packing Group

**AIR TRANSPORTATION** 

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

**LABEL STATEMENTS:** 

OTHER AGENCIES:

SECTION 14 NOTES:

### **SECTION 15: REGULATORY INFORMATION**

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All Chemcials are listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): none

Call manufacturer

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): none

311/312 HAZARD CATEGORIES: none

313 REPORTABLE INGREDIENTS: none

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

**SECTION 15 NOTES:** 

### **SECTION 16: OTHER INFORMATION**

OTHER INFORMATION:

PREPARATION INFORMATION: Bruce Riffel