

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	INSECT REPELLENT TOWELETTE
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2502
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Insect Repellent
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2502.01
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2016-04-22

SECTION 2: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Classification (According to Regulation (EC) No 1272/2008)

Environmental Chronic	Category 3
Serious Eye Damage/Eye Irritation	Category 2
Skin Corrosion/Irritation	Category 2

Hazard Symbol:



Signal word	WARNING
Hazard statements:	H412 Harmful to aquatic life with long lasting effects. H319 Causes serious eye irritation. H315 Causes eye irritation.

Precautionary statements:

P273 Avoid release to the environment.
P280 Wear Protective gloves/protective clothing/eye protection/face protection.
P264 Wash hands thoroughly after handling.
P337+P313 If eye irritation persists: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362 Take off contaminated clothing and wash before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P321 Specific treatment (see supplemental information on this label).
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

Storage Precautions:	Not required.
Disposal Precautions:	P501 Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.
Single & Repeated Exposure Target Organs	Not applicable

(According to Directive 67/548/EEC)

Symbol:	Xn, Xi, F
Risk Phrases:	R52/R53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R36/38: Irritating to eyes and skin.
Safety Phrases:	S2: Keep out of reach of children. S61: Avoid release to the environment. Refer to special instructions/safety data sheet. S7: Keep container tightly closed. S16: Keep away from sources of ignition-No smoking.

Other hazards:

Signs and Symptoms of Potential Overexposure:	May be harmful if ingested in sufficient quantities. Non irritating to intact skin; keep away from mucous membranes and abraded skin. Contact with eyes causes irritation. High gas, vapor, or mist
---	---

concentrations may be harmful if inhaled. This product does not present an immediate concern for emergency personnel.

Primary Route(s) of Exposure: Ingestion. Skin contact, Eye contact. Inhalation.

Medicial Conditions No data found.

Aggravated by Exposure:

SECTION 3: HAZARDS IDENTIFICATION

Substances or Mixtures

<u>Ingredient</u>	<u>CAS No</u>	<u>Concentration (%)</u>	<u>EINECS/ELINCS</u>	<u>EU SYMBOL</u>	<u>RISK PHRASES</u>
Water	7732-18-5	50-80	231-79-2	N/A	Not applicable
N,N-Diethyl-m-toluamide (Deet)	134-62-3	10-30	205-149-7	Xn, Xi	R22-R36/38-R52/53
Ethanol	64-17-5	8-12	200-578-6	F	R11
Other emulsifiers, emollients, preservatives and fragrances (present at <1% each)	Multiple	2-3	Not listed	N/A	Not applicable
Emolient	Trade Secret	2-3	Not listed	N/A	Not applicable
Lubricant	Trade Secret	2-3	Not listed	N/A	Not applicable

SECTION 4: FIRST AID MEASURES

Skin	Keep away from mucous membranes and abraded skin.
Eyes	Can cause moderate irritation. Immediately flush the eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion	May be harmful if ingested.
Inhalation	High gas vapor or mist concentrations may be harmful if inhaled.
Important symptoms and effects, both acute and delayed	Acute: May be harmful if ingested in sufficient quantities. Non-irritating to intact skin; keep away from mucous membranes and abraded skin. Contact with eyes causes irritation. High gas, vapor, or mist concentrations may be harmful if inhaled. This product does not present an immediate concern for emergency personnel. Delayed Effects: None known.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media	Foam, Dry chemical, Water spray, carbon dioxide.
Hazardous products of combustion	As with other organic materials, combustion will produce carbon monoxide and carbon dioxide.
Special firefighting procedures	Wear self contained breathing apparatus and protective clothing. Normal firefighting procedures may be used.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled	Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all contaminated clothing to prevent further absorption. Decontaminated affected personnel using the first aid procedures in Section 4. Leather shoes that have been saturated must be discarded.
Environmental precautions	Prevent releases to soils, drains, sewers, and waterways.
Containment and clean up	Contain spilled liquid with sand or vermiculite and place in chemical waste container. Prevent runoff from entering drains, sewers, and streams.

SECTION 7: HANDLING AND STORAGE

Safe handling	Wear appropriated protective equipment when performing maintenance on contaminated equipment. Wash hands thoroughly before eating or smoking after handling this material. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Wash thoroughly after handling.
Safe storage	This product should be stored at ambient temperature in a dry, well-ventilated location. Keep container closed when not in use. Incompatible with oxidizing materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits	Osha PEL: 1000 ppm TWA: 1900 mg/m3 TWA	ACGIH TLV: 1000 ppm STEL
Personal protective equipment	Goggles or glasses with side shields. Clothing should be sufficient to minimize physical contact. The use of a NIOSH-approved organic vapor respirator is recommended whenever this product is used in a confined space or heated above ambient temperature.	

Respiratory protection	Observe OSHA regulations for respirator use (29 CFR 1910.134). Air-purifying respirators must not be used in oxygen-deficient atmospheres.
Ventilation	All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should be provided.
Other Engineering controls	All appropriated engineering controls should be used to minimize exposure potential. Use exhaust ventilation to keep airborne concentrations below exposure limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Lotion or cream white liquid on towelette
Molecular formula and weight	Mixture
Vapor Pressure (mmHg)	Not available
Vapor density (Air = 1)	Not available
Evaporation Rate	<1 (Butyl Acetate =1)
Specific Gravity	1.00
Boiling Point	291.7°C @760 mm Hg
Freezing/Melting Point	Not available
pH range	5.0-7.5 @1% aqueous solution
Solubility in Water	Water emulsion
Odor Threshold	Fragrance added.
Viscosity	Not available
Flash Point	>201°F (>94°C) (COC)
Flammable Limits	Not available
Autoignition Temperature	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not classified as dangerously reactive.
Chemical stability	Stable
Incompatibility	Incompatible with oxidizing materials.
Hazardous decomposition products	Combustion will produce carbon monoxide, carbon dioxide and oxides of nitrogen. Incomplete combustion yields carbon monoxide, carbon dioxide and dense smoke.
Hazardous reactions	Will not occur
Conditions to avoid	No data

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Oral LD ₅₀	Rat (female) 2000-5000 mg/kg
	Rat (male) >5000 mg/kg
Acute Dermal LD ₅₀	Dermal LD50 (rat) >5000 mg/kg
Acute Inhalation LC ₅₀	Inhalation LC50 (rat) >2000 mg/m ³
Skin irritation	Moderately irritating to skin.
Skin sensitization	Negative skin sensitizer
Eye Irritation	Slight to moderate erythema observed in eyes in contact with material over 20 minutes to 3 hours.
Target organs	No data available
Carcinogenicity	Mice and rabbits exposed dermally to 0.02 mL of 10, 50 and 100% concentrations of DEET twice a week for 160 weeks had no significant differences in the number of tumors compared to controls.
Teratogenicity	No data available.
Reproduction	No data available.

Neurotoxicity	No data available.
Mutagenicity	No data available.
Additional toxicity information	Skin irritation (rabbit): 50 mg; slightly irritating. Eye irritation (rabbit): 100 mg; moderately irritating.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity	Aquatic EC50 (48 h) Daphnia =56 -100 ppm Aquatic LC50 (96h) Oncorhynchus mykiss (rainbow trout) = 71.25 ppm Aquatic LC50 (96h) Pimephales promelas (fathead minnow) = 110 mg/L Aquatic LC50 Colinus virginianus (Northern bobwhite quail) = 1375 mg/kg 48 HR EC50 DAPHNIA MAGNA 2 MG/L [STATIC] 24 HR EC50 DAPHNIZ MAGNA 10800 mg/l 48 HR LC50 DAPHNIA MAGNA 9268-14221 mg/l 96 HR LC50 PIMEPHALES PROMELAS > 100MG/L [STATIC]
Persistence and degradability	No data. Not expected to bioaccumulate. Modeling suggests rapid degradation in the atmosphere; biodegradation data suggests moderate rate of biodegradation.
Bioaccumulative potential	No data
Mobility in soil	No data
Results of PBT and vPvB assessment	Not available
Other adverse effects	Not predicted to exhibit significant toxicity to fish. Ecotoxicological data are for individual components of this mixture.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal	Dispose of this material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable local, state and federal regulations. Do NOT dump into any sewers, on the ground, or into any body of water. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Note that disposal regulations may also apply to empty containers and equipment rinsates.
----------------	---

SECTION 14: TRANSPORT INFORMATION

DOT:	
Classification	Not classified
Shipping name	N/A
Hazard class	N/A

SECTION 15: REGULATORY INFORMATION

OSHA Hazards	Health: Irritant (eye).	Physical: Not applicable
WHMIS Classification	Class D, Division 2, Subdivision B: Irritant. Class B, Division 3: Combustible Liquid.	
TSCA	Present	
EINECS	231-791-2 205-149-7 200-578-6	
SARA 313	Not applicable	
Other regulatory listings	This product is regulated under the PMRA in Canada. It must be used for purposed consistent with its labeling. This product is regulated under the Federal Insecticide, Fungicide and Rodenticide Act. It must be used for purposed consistent with its labeling.	

SECTION 16: OTHER INFORMATION

Full text of R phrases in Section 3

R22: Harmful if swallowed.
R36/38 Irritating to eyes and skin.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R11: Highly Flammable.

Legend of abbreviations:

ACGIH= American Conference on Governmental Industrial Hygienists.
CAS=Chemical Abstracts Service.
CERCLA= Comprehensive Environmental, Response, Compensation and Liability Act (1990).
CFR=Code of federal Regulations
DSL/NDSL= Domestic Substances List/Non-Domestic Substances List.
EC=European Community.
EEC=European Economic Community.
EINECS= European Inventory of existing Commercial chemical Substances.
ELINCS=European List of Notified Chemical Substances.
EU-European Union.
GHS=Globally Harmonized System.
LC-Lethal concentration.
LD-Lethal dose.
MOL= Ministry of Labor.
NEMA=National Emergency Management Agency.
NFPA=National Fire Protection Association.
NIOSH-National Institute of Occupational Safety and Health.
NTP=National Toxicological Program.
OSHA=Occupational Safety and Health Administration.
PEL=Permissible exposure limit.
RQ=Reportable quantity.
SARA=Superfund Amendments and Reauthorization Act of 1986.
TLV=Threshold limit value.
WHMIS=Workplace Hazardous Materials Information System.

Important Note: *To be the best of our knowledge, the information contained herein is accurate. However there is no assumption of 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. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, the manufacturer/supplier will not be responsible for loss, injury, or expense arising out of the products improper use. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.*

End of SDS