

Polymath Interscience, LLC
Material Safety Data Sheet

Date Updated: 4/14/2008
Version: 1.1

ScentLogix™ K9 TNT Scent Detection Training Kit

1 : Product and Company Information

Product Name:	ScentLogix™ K9 untagged TNT Scent-Detection Training Kit
Product Number:	SLK-TNT-C
Brand:	ScentLogix™
General Use:	A non-energetic formulation that constitutes the scent equivalent of untagged trinitrotoluene (TNT) and intended for non-hazardous scent imprinting and the general/operational training and evaluation of explosives-detecting canines in the detection of untagged TNT.
Type of container:	Sealed Cotton Bags
Company name:	Polymath Interscience, LLC
Company Address:	3 Church Circle, Suite 366, Annapolis, MD 21401. USA
Technical Phone:	410-845-5777 (9am – 4pm during operating hours)
24-hour Emergency Phone:	USA: 1-800-424-9300 [CHEMTREC]; International CHEMTREC: 1-703-527-3887 Canada: 613-996-6666 [CANUTEC-Canada]
Email:	info@scentlogix.com

2 :Composition & Information on Ingredients

Substance Name	CAS Number	SARA 313
ScentLogix™ K9 untagged TNT "Parent Odor" Formulation	None Established	No
Ingredient Name(s):		
The specific chemical identity of this material is being withheld as a trade secret of the manufacturer.		

3 :Physical and Chemical Properties

Physical State:	Light Tan Powder	Water Solubility:	0.3%
Odor:	Smells like TNT	Boiling Point:	Not determined
Odor Threshold:	Not determined	Melting Point:	Not determined
Density:	Not determined	Specific Gravity:	Not determined
pH	Not determined	Viscosity:	Not available

4 : Health Hazards Identification

Exposure Routes:	Eye contact, Skin contact, Inhalation, Ingestion.
Target Organs:	Lungs.
Inhalation:	No known hazards.
Eye Contact:	No known hazards; may cause mechanical irritation of the eye.
Ingestion:	No known hazards; may be harmful if swallowed.
Skin:	No known hazards; may be cause mild skin irritation.
Chronic Effects:	High concentrations of dust may be irritating to eyes, skin, mucus membranes and respiratory tract.

Medical conditions generally recognized as being aggravated by exposure: None known. However, be aware that individuals with chronic respiratory diseases such as asthma, chronic bronchitis, emphysema, etc may be adversely affected by exposure to any vapor or airborne particulate matter.

Carcinogenicity: The carcinogenicity of this product, to humans, has not been tested.

5 : Emergency and First Aid Measures

Inhalation: No special requirements needed. If inhaled, remove to fresh air. Refer for medical attention if breathing becomes difficult.

Eye Contact: No special requirements if bag not punctured. If bag was punctured and material was released into eye, remove contact lenses, if easily possible, and rinse eyes immediately with running water for several minutes. Assure adequate flushing by separating eyelids with fingers. Refer for medical attention if eye irritation continues.

Skin Contact: Wash skin with unscented soap and rinse with copious amounts of water. Remove contaminated clothing and shoes. Wash clothes before reuse.

Ingestion: If swallowed rinse mouth with plenty of water, give water and get medical advice immediately. Do not induce vomiting unless directed to do so by medical personnel.

6 : Stability and Reactivity

Stability: Stable

Polymerization: Hazardous polymerizations cannot occur.

Chemical Incompatibilities: Hydrofluoric acid

Conditions to Avoid: Open flames, oxidizing and reducing agents.
Puncturing and spilling cotton bag contents.

Hazardous Decomposition Products: None known

7: Fire and Explosion Data

Flash Point: N/A

Burning Rate: N/A

Autoignition Temperature: None

Lower Explosion Limit (LEL): N/A

Upper Explosion Limit (UEL): N/A

Flammability Classification: None Flammable

Extinguishing Media: Water Fog, Foam, Appropriate Dry Chemical Powder, CO₂

Unusual Fire or Explosion Hazards: No special hazards known. Might release low amounts of toxic fumes under fire conditions.

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: None.
Risks of explosion of the product in presence of static discharge: None.

Hazardous Combustion Products: Carbon Dioxide, Carbon Monoxide, NO_x

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Wear a self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

8 : Accidental Release Measures

Spills: Sweep up spill material and place in a chemical waste container. Dispose of as non-explosive chemical waste and in a manner consistent with federal, state and local

law. Use necessary precautions to prevent inhalation of dust and minimize contact with skin and eyes.

Cleanup: Isolate the spill area. Sweep up spill, place in a chemical waste container and hold for waste disposal. Avoid raising dust during clean up and prevent wind dispersal. If area is used for training, wash spill area with unscented soap and hot water, and ventilate site after material cleanup is complete. When cleaning spills, wear appropriate protective equipment including safety glasses and chemical resistant gloves. Do not release into sewers or waterways.

9 : Disposal Considerations

Appropriate Method of Product Disposal:

Contact your supplier or a licensed professional waste disposal service for detailed methods on how to dispose of this material. Using optimized methods of disposal, some of the cotton material may be recycled. Observe all applicable federal, state, and local environmental regulations.

10 : Exposure Controls / Personal Protection

Occupational Exposure Limits:

CAS# 7631-86-9	OSHA PEL: TWA 6mg/m ³ ;	ACGIH TLV: TWA 10mg/m ³ of total dust
Other components:	OSHA PEL: Not determined	ACGIH TLV: Not determined
Engineering Controls:	No special requirements needed with normal use. Handle scent bags as an inert material. Eyewash stations, safety/quick-drench showers and scent-decontamination equipment (washing machine) recommended.	
Ventilation:	General room ventilation adequate with normal use. Otherwise, provide ventilation during use to maintain airborne concentrations levels below stated exposure limits.	
Eye Protection:	No special requirements needed with normal use.	
Respiratory Protection:	Respiratory protection is not required under normal use conditions. Do not intentionally breathe vapors. Where protection from nuisance levels of dusts are desired, use respirators and components tested and approved under appropriate government standards, such as NIOSH (US) or CEN (EU) type N95 (US) or type P1 (EN 143) dust masks.	
Protective Clothing/Equipment:	Wear non-latex chemically protective gloves during training.	
Contaminated Equipment:	Remove contaminated work clothes from training area and wash separately from other clothing. Rinse washbasin after use. Clean material from shoes and personal protective equipment. Dispose of non-latex gloves after use.	
General Hygiene Measures:	Wash hands thoroughly after handling, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.	

11 : Handling and Storage Information

Handling Precautions:	No special requirements needed under normal use conditions. Use non-latex gloves during handling of product. Avoid contact with eyes, skin and clothing. Avoid direct Inhalation. Do Not Puncture Cloth Bag.
Storage Requirements:	Store away from heat and open flame. Keep tightly sealed in container and away from oxidizers. Keep in cool, dry place, preferably at <0°C. Keep out of reach of children.

12 : Transport Information

DOT (49 CFR 172.101)

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

Shipping Name: ScentLogix™ K9-Scent Kit.

Shipping Symbols: None required.

Special Labels: None required.

Hazard Class: None.

IATA

Non-Hazardous for Air Transport: This substance is considered to be non-hazardous for air transport.

13: Regulatory Information

US Classification And Label Text

US Statements: Target organ(s): Lungs. Eyes.

United States Regulatory Information

SARA LISTED: No

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR), and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No

14: Other Information

Disclaimer:

Intended for canine evaluation and training purposes only. Not for drug, household or other uses. For professional use only.

Label Precautions:

Do not puncture bag.

Do not get dust in eyes, on skin or on clothing.

Always remove scent-contaminated clothing from training site.

Do not breathe dust.

Wash hands thoroughly after handling.

Keep container closed when not in use.

Use with adequate ventilation.

Warranty:

Polymath Interscience LLC. provides the information contained herein in good faith and makes no representation as to its comprehensiveness or accuracy. Polymath Interscience LLC shall not be held liable for any damage resulting from handling or from contact with the above product. This document is based on the present state of our knowledge and is intended only as a guide to the appropriate precautionary handling of the product by a properly trained person using this product. The information and data herein must be determined by the user to be in accordance with federal, state, and local laws and regulations, including regions outside the jurisdiction of the USA.

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